## **PLEASE NOTE**

# This image contains more than one label approved for this product on this date.



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Mr. John Tice Manager Registrations Loveland Products, Inc. P.O. Box 1286 Greeley, Colorado 80632-1286

JUL 1 6 2008

SUBJECT: Notification of minor editing on Page 12, this change corrects a use direction by removing the word "or" in the sentence
 EPA Registration Number: 34704-891
 Date of Submission: June 3, 2008

Dear Mr. Tice:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated, June 3, 2008, for the product, Broclean. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely, n

Linda Arrington Notifications & Minor Formulations Team Leader Registration Division (7505P) Office of Pesticide Programs



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June 3, 2008

Document Processing Desk (NOTIF) U. S. Environmental Protection Agency OPP, Registration Division (7504-P) 2777 S. Crystal Drive Arlington, VA 22202

Subject: Notification Change to Broclean, EPA Reg. No. 34704-891,

Dear Mr. Tompkins:

This submission is a notification for the product named above. This notification consists of minor editing on page 12, (see the marked up copy of page 12). This change corrects a use direction by removing the word "or" in the sentence, "Do not use in Spring or on newly established mint."

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please contact me if you have any questions, concerns or additional data needs by calling 970-347-1484 or e-mail at <u>JOHN.TICE@UAP.COM</u>.

Sincerely,

John T. Tice Manager Registrations Loveland Products, Inc.

Enclosure

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| €PA  | L<br>Environmenta<br>Weshi   | Inited States<br><b>Protectic</b><br>ngton, DC 204 | on Agency   | <ul> <li>✓</li> </ul>                                | Registratio<br>Amendme<br>Other                               | n OPP Identifier Nun<br>nt   |
|--|--|--|---|--|---|--|
|  |  | Applicatio   | on for Pesticide - S  | ection   | ]   | · · · · · · · · · · · · · · · · · · ·                                    |
| 1. Company/Product Number<br>34704-891   | ır   |  | 2. EPA Product I<br>Jim Tompkins  | Manager  |   | 3. Proposed Classification   |
| Broclean   | ,<br>  |  | 25  |  |   |  |
| 5. Name and Address of Ap<br>Loveland Products, II<br>P.O. Box 1286<br>Greeley, Colorado 80                              | plicant <i>(Include ZIP Co</i><br>NC.<br>)632-1286<br>s is a new address | de)  | 6. Expedited I<br>(b)(i), my produ<br>to:<br>EPA Reg. No<br>Product Nam       | Reveiw.<br>act is simi                               | In accordance<br>lar or identical<br><b>NOTIF</b><br>         | with FIFRA Section 3(c<br>in composition and labe<br>HCATION<br>1 6 2008 |
|  |  |  | Section - II  | · ·  | <u></u> <u></u>   |  |
| Resubmission in resp<br>Notification - Explain<br>Explanation: Use addition<br>Minor editing on pa<br>established mint." | below.<br>helow.<br>nal page(s) if necessar<br>ge 12. Remova             | dated<br>y. (For section<br>I Of the WO            | Agency<br>Me To<br>Other -<br>Other -<br>Other -<br>Other -<br>Other -        | letter date<br>o" Applica<br>Explain bel<br>ICC, "DO | hd<br>low.<br>not use in                                      | spring <del>or</del> on newly  |
| 1. Material This Product Wi  | 1 Be Packaged In:  |  | Section - III   |  |   | · · · · · · · · · · · · · · · · · · ·                                    |
| Child-Resistant Packaging<br>Yes<br>No<br>Certification must<br>be submitted   | Unit Packaging<br>Yes<br>Volume<br>If "Yes"<br>Unit Packaging wgt.       | No.per<br>container                                | Water Soluble Packaging<br>Yes<br>V No<br>If "Yes" No. p<br>Package wgt contr | ber<br>biner   | 2. Type of Con  | ntainer<br>letal<br>lastic<br>lass<br>aper<br>ther (Specify)             |
| 3. Location of Net Contents  | Information<br>Container   | 4. Size(s) Ret                                     | ail Container<br>2.5 gal.   | 5. Loc   | ation of Label D<br>Booklet Lab                               | Directions<br>el on Jug.   |
| <ol> <li>Manner in Which Label is</li> </ol>   | Affixed to Product   | Lithogi<br>Paper<br>Stappil                        | raph 🗸 C<br>glued   | ther Se  | It adhesive labe  | 91   |
|  | <u></u>  |  | Section - IV  |  | · · · · · · · · · · · · · · · · · · ·                         |  |
| 1. Contact Point <i>(Complete</i>  | items directly below f   | or identification                                  | n of individual to be contact   | ed, if nece  | ossary, to proces   | ss this application.)  |
| Jame<br>John T. Tice   |  |  | Title<br>Manager Registrations  |  |   | ejchone No. (Include Area C<br>D-347-1484                                |
| l certify that the state<br>I acknowledge that an<br>both under applicable   | ments I have made on<br>y knowlingtly false or<br>law.                   | Certificat<br>this form and<br>misleading stat     | tion<br>all attachments thereto are<br>tement may be punishable t             | true, accu<br>by fine or in                          | ն<br>oc<br>rate and <u>comple</u><br>mprisonment or<br>oncore | te. (Stampad)  |
| 2. Signature   |  |  | 3. Title<br>Manager Registraitons   |  |   |  |
| 4. Typed Name  | n T Tice   | ę  | 5. Date   |  |   |  |

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3/19

RESTRICTIONS AND PRECAUTIONS: Flax (Linium usitatissium only)

- . Do not apply if temperatures are expected to exceed 85°F at or 3 days following application or crop injury may occur.
- . Unacceptable crop injury may occur following BROCLEAN application to flax grown on high organic, peat type soils.
- · Application under high humidity conditions can injure flax.
- . Unless otherwise instructed, do not apply BROCLEAN with crop oil concentrate, surfactants or nitrogen solutions.
- · Do not use on ornamental flax.
- Follow all precautions, directions and restrictions on the Poast® label when using this tank mixture with BROCLEAN.
- Maximum 0.5 lb ai/A per season.
- Observe a minimum 30 day preharvest interval.

#### GABLIC BROCLEAN RECOMMENDATIONS

| APPLICATION TIMING AND SPECIFIC COMMENTS   |              |  |   |  |  |
|--|--------------|--|---|--|--|
| PRODUCT  | RATE         | CROP   | WEEDS   |  |  |
| BROCLEAN   | 1½-2 pints/A | Apply to garlic after<br>emergence and before<br>12 inches in height.  | Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up                          |  |  |
| BROCLEAN<br>(Only for garlic<br>grown in muck<br>soils in North-<br>eastern* United<br>States) | 1½-2 pints/A | Apply to garlic after<br>emergence and before<br>12 inches in height.<br>*May be harvested 60<br>days after treatment. | to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter, whichever<br>comes first. |  |  |

#### PRECAUTIONS AND RESTRICTIONS: Garlic

- Use a minimum of 20 gallons per acre for ground application.
  BROCLEAN can be applied through automated sprinkler irrigation application.
  Do not harvest within 112 days following treatment (except garlic grown in muck

soils in Northeastern United States).

Maximum 0.5 lb ai/A per season.

#### MINT ESTABLISHED PEPPERMINT AND SPEARMINT ONLY **BROCLEAN RECOMMENDATIONS**

| AF       | PLICATION TI                   | MING AND SPECIFIC C   | OMMENTS   |
|----------|--------------------------------|---|---|
| PRODUCT  | RATE                           | CROP  | WEEDS   |
| BROCLEAN | 1-1½ pints/A                   | Apply to dormant or<br>actively growing<br>established peppermint<br>or spearmint crops that<br>exhibit good vigor.   | Apply to MOST SUS-<br>CEPTIBLE and SUS-<br>CEPTIBLE weeds that do<br>not exceed the 4 leaf<br>stage, 2 inches in height<br>or 1 inch in diameter,<br>whichever comes first. |
|          | Chernigation<br>2 pints/A only | Apply to dormant or<br>actively growing<br>established peppermint<br>or spearmint crops that<br>exhibit good vigor.<br>Apply through auto-<br>mated sprinkler irriga-<br>tion systems with a<br>mechanical transfer<br>loading system only.<br>See MIXING,<br>LOADING AND<br>HANDLING<br>INSTRUCTIONS<br>section for complete<br>details. |   |

RESTRICTIONS AND PRECAUTIONS: Mint

- Application made to mint when temperatures are expected to exceed 70°F at or 5 days following application may result in unacceptable crop injury. This injury is more likely to occur following BROCLEAN application in the spring.
- · Do not apply to mint growing under adverse conditions including diseases, insects, nematodes, high salt content soil, drought, excessive moisture, winter damage or other
- environmental stress. Application of BROCLEAN to mint should not be made within two weeks of a Sinbar<sup>5</sup>
- Application of DRUCLEAN to minit should be called application of unacceptable crop injury may result.
   Do not use in spring(o) on newly established mint. Fall applications to spring planted mint should be acceptable if the crop is well established.
   BROCLEAN can cause temporary stunting and discoloration of the mint particularly and
- from the spring application. However, the injury symptoms are only temporary and have not caused yield reduction.
- · Use of BROCLEAN in combination with other products may increase temporary stunting and discoloration.
- Do not harvest within 70 days following treatment.

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. Do not apply more than 0.5 lb ai of bromoxynil per acre to mint in a single growing season

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|--------------------------|--|--|---|--|--|
| BROCLEAN RECOMMENDATIONS |  |  |   |  |  |
| UCT                      | BATE   | CROP   | WEEDS   |  |  |
| CLEAN                    | Preemergence<br>1-1 ½ pints/A<br>Postemergence | Preemergence use<br>restricted to onions<br>east of the Mississippi<br>River only on muck<br>soils containing greater<br>than 10% organic<br>matter. Apply at least<br>3 to 4 days prior to<br>emergence. Rainfall<br>or irrigation within 2<br>days following pre-<br>emergence applications<br>or 3 days prior to crop<br>emergence applications<br>applied using either<br>ground or aerial<br>equipment. | Apply BROCLEAN at 1<br>pint/A to control MOST<br>SUSCEPTIBLE weeds<br>and 1/¥ pints/A for SUS-<br>CEPTIBLE weeds. Weeds<br>should not exceed the 4<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>meter, whichever comes<br>first. |  |  |
|                          | 1-172 pints/A                                  | leaves   |   |  |  |

PROD

Use at least 50-70 gallons of water per acre and apply by ground equipment or chemigation only. Water volume is important - CONCEN-TRATED SPRAYS KILL ONIONS. Thorough and uniform coverage is necessary for good weed control.

In onion-producing areas, certain environmental conditions reduce development of waxy coating on the onion leaves, thus increasing the possibility of injury. Dry soil, dry onion foliage, high light intensity, low humidity, and high temperatures tend to increase the waxy coating on onion leaves and thus reducing chances for injury. It is essential that the soil and onion foliage be dry at the time of application. Humidity should be low and dew

#### RESTRICTIONS AND PRECAUTIONS: Onions

- . The sensitivity of onions to BROCLEAN varies with the variety and environmental conditions. Therefore, even if all the label directions are followed, BROCLEAN application still may cause injury to onions under certain circumstances.
- Do not irrigate onions that have received a preemergence application of BROCLEAN for 2 days following application or within 3 days of crop emergence. • Do not use BROCLEAN preemergence to onions grown west of the Mississippi

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should be off the plants.

- River.
- Do not use BROCLEAN on onions grown under low light inter-sity, it arcas such as 0000 Oregon, west of the Cascades.
- Do not treat onions damaged by sand, insects, oudiseases.
- Do not apply postemergence applications or BROCLEAN to onions with aerial equipment. 0.00
- · Do not add surfactant.
- Maximum 0.5 lb ai/A per season.
- Observe a minimum 30 day preharvest interval.

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JUL 16 2008



## BROCLEAN®

HERBICIDE FOR THE CONTROL OF CERTAIN BROADLEAF WEEDS IN CORN (FIELD AND POP), SORGHUM (GRAIN AND FORAGE), SUDANGRASS, BARLEY, OATS, RYE, TRITICALE, WHEAT, SEEDLING ALFALFA, FLAX, GARLIC, ONIONS, MINT, GRASSES GROWN FOR SEED AND SOD PRODUCTION, CONSERVATION RESERVE PROGRAM (CRP) AREAS, NON-RESIDENTIAL TURFGRASS, AND NON-CROPLAND/INDUSTRIAL SITES.

#### ACTIVE INGREDIENT:

| Octanoic acid ester of bromoxynil*   |         |       |
|--------------------------------------|---------|-------|
| (3,5-dibromo-4- hydroxybenzonitrile) |         | 33.4% |
| INERT INGREDIENTS**:                 |         | 56.6% |
|                                      | TOTAL 1 | 10.0% |

\*\* Contains xylene range/petroleum distillates. \* Bromoxynil octanoate equivalent to 22.9% of bromoxynil or not less than 2.0 pounds of bromoxynil per gallon.

## KEEP OUT OF REACH OF CHILDREN WARNING—AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detaile. (If you do not understand the label, find someone to explain it to you in detail.)

#### FIRST AID

| If swallowed: | <ul> <li>Immediately call a poison control center or doctor.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul> |
|---------------|--|
| If on skin    | Take off contaminated clothing.  |
| or clothing:  | Rinse skin immediately with plenty of water for 15-20 minutes.   |
|               | Call a poison control center or doctor for treatment advice.   |
| If in eyes:   | <ul> <li>Hold eye open and rinse slowly and gently with water for 15 -20<br/>minutes.</li> </ul>   |
|               | <ul> <li>Remove contact lenses, if present, after the first 5 minutes, then<br/>continue rinsing eye.</li> </ul>   |
|               | Call a poison control center or doctor for treatment advice.   |
| If Inhaled:   | <ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give<br/>artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>        |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:

1-800-301-7976.

Note to Physician: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

#### EPA REG. NO. 34704-891

#### EPA EST. NO. 51036-GA-1

NET CONTENTS: 2½ GALS. (9.46 L)

120905 V4 06B08

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want options, follow the instructions for category G on EPA chemical resistance category selection chart. Applicators and other handlers must wear: Coveralls over long-sleeved shirt and long pants, chemical resistant gloves such as barrier laminate or viton gloves, chemical resistant apron when cleaning equipment, protective eyewear, chemical resistant tant headgear for overhead exposure and chemical resistant to be a solution of the section.

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Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

If you will handle a total of 60 gallons or more of this product per day, you must use a mechanical transfer system for all mixing and loading operations. If this product is packaged in a 30 gallon drum, you must use a mechanical transfer system which terminates in a drip-free hard coupling which may be used only with a spray or mix tank which has been fitted with a compatible coupling, it you do not presently own or have access to a mechanical transfer system with this type of coupling, contact your dealer for information on how to obtain such a system or to modify your present system. When using a mechanical transfer system, do not remove or disconnect the pump or probe from the container until the container has been emptied and rinsed. The pump or probe system must be used to rinse the empty container and to transfer the rinsate directly to the mixing or spray tank.

To reduce exposure to residues, wash the spray rig, tractor, and all other equipment used to handle or apply this product with water daily or before using the equipment for any other purpose.

APPLICATION BY CHEMIGATION must be done by fixed pipe, overhead sprinkler systems or hand moved pipe. If hand moved pipe is used for chemigation, the pipe must not be handled in any way until 24 hours after chemigation has been completed and residues have been flushed from the system. When applying by chemigation, no person may enter the application site unless in an enclosed vehicle.

DURING AERIAL APPLICATION, human flaggers are prohibited unless in enclosed vehicles. Aerial application is prohibited within 300 feet of residential areas (e.g., homes, schools, hospitals, shopping areas, etc.).

#### USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Remove PPE immediately after handling this product.

Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to wildlife and fish. Use with care when applying to areas frequented by wildlife or adjacent to any body of water. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment washwaters.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soli, or water, is: coveralls over long-sleeved shirt and long pants, chemical resistant gloves such as barrier laminate or viton gloves, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure and protective evewear.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** Do not store near fertilizers or seeds. Store at temperatures above 30°F. If allowed to freeze, remix before using.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **RETURNABLE --- REFILLABLE CONTAINERS**

After use, return the container to the point of purchase or designated locations. This container must only be refilled with BROCLEAN Herbicide. DO NOT REUSE THE CON-TAINER FOR ANY OTHER PURPOSE. Prior to refilling, inspect thoroughly for damage such as cracks, punctures, abrasions and damaged or worn out threads on closure devices. Do not refill or transport damaged or leaking containers. Check for leaks after refilling and before transportation. If the container is not being refilled, return it to the point of purchase.

#### **GENERAL INFORMATION**

BROCLEAN is formulated as an emulsifiable concentrate of octanoic acid ester of bromoxynil containing the equivalent of 2 pounds of bromoxynil per gallon.

BROCLEAN is a selective postemergence herbicide for control of important broadleaf weeds infesting field corn, popcorn, sorghum (grain and forage), barley, oats, rye, triticale, wheat, seedling alfalla, flax, onions, garlic, mint (established peppermint and spearmint), Conservation Reserve Program (CRP) areas, grasses grown for seed or sod production, non-residential turfgrass, and non-cropland and industrial sites. Optimum weed control is obtained when BROCLEAN is applied to actively growing weed seedlings. BROCLEAN is primarily a contact herbicide, therefore thorough coverage of the weed seedlings is essential for optimum control. BROCLEAN has little residual activity. Therefore subsequent flushes of weeds will not be controlled by the initial treatment. Generally crops that form a good canopy will help shade subsequent flushes of weeds. Occasional transitory leaf burn may occur. The temporary leaf burn is similar to that seen with liquid fertilizer. Because the activity of BROCLEAN is not systemic, recovery of the crop is generally rapid with no lasting effect. Frequency and amount of leaf burn may be greater when crops are stressed by abrasive winds, cool to cold evening temperatures or mechanical for temporary leaf burn, applications should be made to dry foliage in the recommended spray volumes per acre when weather conditions are not extreme.

#### MIXING, LOADING AND HANDLING INSTRUCTIONS

#### 2.5 Gallon Containers

It is strongly recommended that special care be taken in mixing and loading this product. Hands should be placed on the container in such a way as to avoid possible drip or splash.

#### 30 Gallon and Bulk Containers

If you will handle a total of 60 gallons or more of this product per day, you must use a mechanical transfer system for all mixing and loading operations. If this product is packaged in a 30 gallon drum, you must use a mechanical transfer system which terminates in a drip-free hard coupling which may be used only with a spray or mix tank which has been fitted with a compatible coupling. If you do not presently own or have access to a mechanical transfer system with this type of coupling, contact your dealer for information on how to obtain such a system or to modify your present system. When using a mechanical transfer system, do not remove or disconnect the pump or probe from the container until the container has been emptied and rinsed. The pump or probe system must be used to rinse the empty container and to transfer the rinsate directly to the mixing or spray tank.

BROCLEAN ALONE: Fill the spray tank ½ to ¾ full with clean water. Begin agitation and add the recommended amount of BROCLEAN. Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application.

TANK MIXTURES: BROCLEAN can be applied in tank mixture with many other herbi-

section for rate recommendations and other restrictions. To apply BROCLEAN in mixture with another product, fill the spray tank ½ to ¾ full with clean water and begin agitation. If tankmixing with wettable powder, soluble powder, flowable or dry flowable products, add the powder or flowable product first. After the other herbicide is thoroughly mixed with water add the recommended amount of BROCLEAN and add water to the spray tank to the desired level. If tankmixing with other product types, add the BROCLEAN first before adding the other product. Always mix one product in water thoroughly before adding another product or compatibility problems may occur. Never mix two products together without first mixing in water.

Maintain sufficient agitation while mixing and during application to ensure a uniform spray mixture. If spray mixture is allowed to remain without agitation for short periods of time, be sure to agitate until uniformly mixed before application.

#### COMPATIBILITY OF INSECTICIDES WITH BROCLEAN

The following foliar insecticides are compatible with BROCLEAN as tank mixtures.

| INSECTICIDE       |   |                                       |
|-------------------|---|---------------------------------------|
| COMMON NAME       | TRADE NAME  | FORMULATION                           |
| Diazinon          | Various   | Emulsifiable Concentrate              |
| Dimethoate        | Various   | Emulsifiable Concentrate              |
| Trichlorfon       | Dylox <sup>2</sup>  | Soluble Powder                        |
| Carbofuran        | Furadan <sup>6</sup>  | Flowable                              |
| Chlorpyrifos      | Lorsban <sup>4</sup>  | Emulsifiable Concentrate              |
| Malathion         | Various   | Emulsifiable Concentrate              |
| Oxydemeton-methyl | Metasystox-R <sup>2</sup>   | Sprayable Concentrate                 |
| Permethrin        | Pounce <sup>6</sup>   | Emulsifiable Concentrate              |
| Fenvalerate       | Pydrin <sup>5</sup>   | Emulsifiable Concentrate              |
| Carbaryl          | Sevin <sup>9</sup>  | Sprayable wettable powder or Flowable |
| Demeton           | Systox <sup>2</sup>   | Emulsifiable Concentrate              |
|                   | the second se |                                       |

If tank mixing with products other than listed above or within each crop section, a compatibility test is recommended to ensure satisfactory spray preparation. To test for compatibility, use a small container and mix a small amount (0.5 to 1 quart) of spray, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually will appear within 5 to 15 minutes after mixing. To ensure maximum crop safety and weed control, follow all cautions and limitations on this label and the labels of products used in the tank mixture with BROCLEAN.

#### SPRAYABLE LIQUID FERTILIZERS AND SPRAY ADDITIVES

BROCLEAN can be applied in combination with sprayable liquid fertilizer or spray additives such as surfactants or crop oil concentrate.

When tankmixing with liquid fertilizer always add the fertilizer to the spray tank first and agitate thoroughly before adding BROCLEAN. Always predetermine the compatibility with liquid fertilizer by mixing small proportional quantities in advance. Agitation must be maintained during filling and application operations to ensure that BROCLEAN is evenly mixed with the fertilizer. Leaf burn may occur when BROCLEAN is applied with liquid fertilizer, but new leaves are not adversely affected.

CAUTION: Fertilizers and spray additives can increase foliage leaf burn when applied with BROCLEAN. Do not apply fertilizers or spray additives with BROCLEAN if leaf burn is a major concern due to environmental conditions, crop or variety sensitivity to BRO-CLEAN. Do not apply BROCLEAN in combination with fertilizer or spray additives if restricted under the individual crop use directions.

#### APPLICATION PROCEDURES

BROCLEAN can be applied to registered use areas by ground, aerial and sprinkler irrigation equipment. The following provides recommended methods of application for each crop.

|        | SPRINKLER   |   |  |  |  |
|--------|---|---|--|--|--|
| GROUND | AERIAL  | IRRIGATION  |  |  |  |
| X      | X   | X   |  |  |  |
| X      | X   |   |  |  |  |
|        |   |   |  |  |  |
| X      | X   | X   |  |  |  |
| X      | X   | X   |  |  |  |
| X      | <u> </u>  |   |  |  |  |
| X      | x   |   |  |  |  |
| X      |   | X   |  |  |  |
| X      |   |   |  |  |  |
|        |   |   |  |  |  |
| х      | Х   | х   |  |  |  |
|        |   |   |  |  |  |
| X      | Х   | х   |  |  |  |
| X      | x   |   |  |  |  |
| X      | X   |   |  |  |  |
|        | X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X | X     X       X     X |  |  |  |

#### GROUND APPLICATION

Use a standard herbicide boom sprayer that provides uniform and accurate application. Sprayer should be equipped with screens no finer than 50 mesh in the nozzle tips and in-line strainers.

Select a spray volume and delivery system that will ensure thorough and uniform spray coverage. For optimum spray distribution and thorough coverage, use of flat fan nozzles (maximum tip size 8008) with a minimum spray pressure of 40-60 psi are recommended. Other nozzle types and lower spray pressures that produce coarse spray droplets may not

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are not recommended as weed control with BROCLEAN may be reduced. In general a spray volume of 10 to 20 gallons per acre (GPA) is recommended for optimum spray coverage. A minimum of 5 GPA with a minimum spray pressure of 50 psi and a maximum ground speed of 10 mph may be used with higher speed, low volume ground application ground terrain, crop and weed density allow effective spray distribution.

When using higher speed equipment a maximum speed of 10 mph is suggested if field conditions cause excessive boom movement during application which results in poor spray coverage. Ground applications made when dry, dusty field conditions exist may provide reduced weed control in wheel track areas. Applications using less than 10 gallons per acre may result in reduced weed control.

When weed infestations are heavy, use of higher spray volumes and spray pressure will be helpful in obtaining uniform weed coverage. When corn or grain sorghum are large enough to interfere with the spray pattern, drop nozzles should be used to

obtain uniform weed coverage. If you are unsure of the infestation level or the size of the crop, consult your local extension service.

Do not apply when winds are gusty or when other conditions favor poor spray coverage and/or off target spray movement.

#### AERIAL APPLICATION

Use orifice discs, cores and nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage. In general a minimum spray volume of 5 GPA and a maximum pressure of 40 psi are recommended.

Do not apply during inversion conditions, when winds are gusty or when other conditions favor poor spray coverage and/or off target spray movement. Off target spray movement can be minimized by increasing the spray volume per acre and not applying when winds exceed 10 mph.

#### SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

- 1. The distance of the outer most nozzles on the boom must not exceed 34 the length of the wingspan or rotor.
- 2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

#### Importance of Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversion section of this label).

#### **Controlling Droplet Size**

Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy protection. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of nozzles - Use the minimum number of nozzles that provide uniform coverage. Nozzle Orientation - Orienting nozzles so that the spray is released backwards, paral-lel to the airstream will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.

Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.

Boom Length - For some use patterns, reducing the effective boom length to less than 34 of the wingspan or rotor length may further reduce drift without reducing swath width. Application - Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

#### Swath Adjustment

When applications are made with a cross-wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

#### Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and drv.

#### **Temperature Inversions**

Application should not occur during a temperature inversion, because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a connected cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

#### Sensitive Areas

The pesticides should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Ensure uniform application - to avoid streaked, uneven or overlapped application, use appropriate marking devices.

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills.

#### **Boom Equipment**

For control of weed or brush species listed in this label using conventional boom equipment - Use the recommended rates of this product and surfactant in 3 to 30 gallons of water per acre as a broadcast spray unless otherwise specified. See the "WEEDS CON-TROLLED" section of this label for specific rates. As density of vegetation increases, spray volume should be increased within the recommended range to ensure complete source and a source of the sou spray droplets.

#### SPRINKLER IRRIGATION APPLICATION

BROCLEAN can be applied through sprinkler irrigation systems to barley, oats, rye, trit-icale, wheat, field corn, popcorn, and grain sorghum, onions, mint, grasses grown for seed or sod production, garlic, Conservation Reserve Program (CRP) areas and seedling alfalfa.

Apply BROCLEAN through sprinkler systems including center pivot, lateral move, side (wheel) roll, solid set or hand move irrigation systems only. If hand moved pipe is used for chemigation, the pipe must not be handled in any way until 24 hours after chemiga-tion has been completed and residues have been flushed from the system. When applying by chemigation, no person may enter the application site unless in an enclosed vehicle. Do not apply this product through any other type of irrigation system.

Specific Requirements For Application Through Automated Sprinkler Irrigation System

- The system must contain a functional check valve, vacuum relief valve, and low 1. pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-2.
- closing check valve to prevent the flow of fluid back toward the injection pump. З. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- 6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for 7. treatment
- Agitation is recommended in the pesticide supply tank when applying the 8. BROCLEAN.
- 9. BROCLEAN should be applied continuously for the duration of the water application with center pivot and continuous lateral move systems. Application of BROCLEAN should be made during the last 30-45 minutes of the irrigation set with other overhead sprinkler systems.
- For best performance, set the sprinkler system to deliver approximately 0.5 inch or 10 less of water per acre.
- 11. Remove scale, pesticide residues and other foreign matter from the supply tank and
- entire injector system. Flush with clean water. If BROCLEAN is diluted in the supply tank fill the tank with half of the water amount desired, add the BROCLEAN and then add remaining water amount with agitation. Always dilute with at least 4 parts water to 1 part BROCLEAN. Start the sprinklers and then inject BROCLEAN into the irrigation line. BROCLEAN 12.
- 13. should be injected with a positive displacement pump into the main line at least 8 feet ahead of a right angle turn to insure adequate mixing. Refer to the BROCLEAN label for detailed information on application rates and

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CHEMIGATION USER PRECAUTIONS

Application of more than 0.5 inch/acre of irrigation water may result in decreased product performance on certain soils.

Do not apply when conditions favor drift, when system connections or fittings leak, or when nozzles do not provide uniform distribution.

Allow sufficient time for pesticide to be flushed through all the lines and nozzles before turning off irrigation water.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

Do not connect an irrigation system used for pesticide application to a public water system.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

A person knowledgeable of the chemigation system and responsible for its operations, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

#### CULTIVATION

When properly utilized, timely cultivations of row crops may aid overall weed control efforts as well as crop growth. However, cultivation BEFORE or DURING BROCLEAN applications may place target weeds under stress, resulting in erratic weed control. Whenever BROCLEAN is being utilized in an overall weed control program, plan to postpone any anticipated cultivations until 5-7 days after application to ensure best performance.

#### GENERAL WEED LIST

Postemergence application of BROCLEAN will control the following weeds when sprayed in the seedling stage. Maximum weed stage of growth is listed under RECOM-MENDED USES for each crop.

> MOST SUSCEPTIBLE BROADLEAF WEED SPECIES Annual Sowthistle (Sonchus oleraceus) Black Nightshade (Solanum nigrum) Biue Mustard (Chorispora tenella) Bristly Starbur (Acanthospermum hispidum) Coast Fiddleneck (Amsinckia intermedia) Common Cocklebur (Xanthium strumarium) Common Lambsquarters (Chenopodium album) Common Tarweed (Hemizonia congesta) Cutleaf Nightshade (Solanum triflorum) Eastern Black Nightshade (Solarum timoturi) Field Pennycress (Thlaspi arvense) Green Smartweed (Polygonum scabrum) Hairy Nightshade (Solanum sarachoides) Jimsonweed (Datura stramonium) Ladysthumb (Polygonum persicaria) Lanceleaf sage (Salvia reflexa) Pennsylvania Smartweed (Polygonum pensylvanicum) Pepperweed spp. (annual) (Lepidium spp.) Shepherdspurse (Capsella bursa-pastoris) Silverleaf Nightshade (Solanum elaeagnifolium) Tartary Buckwheat (Fagopyrum tatoricum) <sup>1</sup>Sunflower (Helianthus annus) Wild Buckwheat (Polygonum convolvulus)

<sup>1</sup>For control of sunflower, delay application until first emerging sunflower seedlings are 4 inches in height.

> SUSCEPTIBLE BROADLEAF WEED SPECIES Buffalobur (Solanum rostratum) Burcucumber (Sicyos angulatus) Common Groundsel (Senecio vulgaris) Common ragweed (Ambrosia artemisiifolia) Corn Chamomile (Anthemis arvensis) Corn Gromwell (Lithospermum arvense) Cow Cockie (Saponaria vaccaria) Giant Ragweed (Ambrosia trifida) Hemp Sesbania (Sesbania exaltata) Ivyleaf morningglory (Ipomoea hederacea) Knawel (Scleranthus annus) <sup>2</sup>Kochia (Kochia scoparia) London Rocket (Sisymbrium irio) Mayweed (Anthemis cotula) Pitted morningglory (Ipomoea lacunosa) Prostrate Knotweed (Polygonum aviculare) Puncture Vine (Tribulus terrestris) <sup>2</sup>Redroot Pigweed (Amaranthus retroflexus) Russian Thistle (Salsola kali) <sup>2</sup>Spiny Pigweed (Amaranthus spinosus) Tall Morningglory (Pomoea purpurea) Tall Waterhemp (Amaranthus tuberculatus) Tiumhle mustard (Sisvmbrium altissimum)

Venice Mallow (Hibiscus trionum) Wild Mustard (Sinapis arvensis) Wild Radish (Raphanus raphanistrum) Yellow Starthistle (Centaurea solstitialis)

<sup>2</sup>For effective control, these weeds should not exceed the 4 leaf stage or 2 inches in height, whichever comes first.

#### WEED SUPPRESSION

BROCLEAN suppresses the growth of Canada thistle (Cirsium arvense) by burning down top growth. Regrowth may occur.

#### CALIFORNIA REGISTRATIONS

Only the following recommendations referenced in this label are registered for use in California: seedling alfalfa, small grains (wheat, barley, oats, rye and triticale), flax, corn (post emergence application only), sorghum (post emergence application only), onions, gariic; chemigation in seedling alfalfa, barley, oats, rye, triticale, wheat, onions and gariic; 2,4-D and MCPA tank mixtures in barley, oats, rye, finicale, wheat; 2,4-D and atrazine tank mixtures in corn and sorghum; 2,4-DB tank mixture in seedling atfalfa; grass for seed and sod production, non-residential turfgrass; and non-cropland and industrial sites. All applications must be made with a minimum spray volume of 10 GPA by ground or 5 GPA by air equipment.

#### SPECIFIC CROP RECOMMENDATIONS

CEREAL GRAIN CROPS

Corn (Field and Pop), Sorghum (Grain and Forage) and Sudangrass Wheat, Barley, Oats, Rye and Triticale

FORAGE, FIBER AND SPECIALTY CROPS

Alfalfa (Seedling)

Flax

Garlic Mint (Established Peppermint and Spearmint) Onions

#### GRASS CROPS

Conservation Reserve Program (CRP) Areas Grass Grown for Seed or Sod Production Non-Residential Turfgrass

NON-CROPLAND Noncropland and Industrial Sites

## CEREAL GRAIN CROPS CORN (FIELD AND POP), SORGHUM (GRAIN AND FORAGE) AND SUDANGRASS BROCLEAN RECOMMENDATIONS

| PRODUCT  | RATE                         | CROP  | WEEDS  |
|----------|------------------------------|---|--|
| BROCLEAN | Preemergence<br>1-1½ pints/A | Apply to corn or<br>sorghum before<br>planting until just<br>prior to crop<br>emergence.<br>Apply to corn after<br>emergence but<br>prior to tassel<br>emergence.<br>Apply to sorghum<br>and sudangrass     | WEEUS<br>See CORN AND SORGHUM<br>APPLICATION RATE TABLE -<br>BROCLEAN for list of weeds<br>and corresponding stages of<br>growth that are controlled by<br>BROCLEAN at recommended<br>rates of application. For con-<br>trol of additional weeds not<br>listed in the rate table see the<br>General Weed List. |
|          | 11/6 pipts/A                 | between the 3 leaf<br>stage but prior to<br>the preboot stage<br>(growth stage 4).  |  |
|          |                              | Apply to corri-<br>between the 4 leaf<br>stage and prior to<br>tassel emergence.<br>Apply to sorghum<br>and sudangrass<br>between the 4 leaf<br>stage and prior to<br>preboot stage<br>(unrwith stage 4)    |  |
|          | 2 pints/A                    | Apply to field corn<br>only between the<br>4 leaf stage but<br>prior to tassel<br>emergence.<br>WARNING: DO<br>NOT APPLY THE<br>2 PINTS/A RATE<br>OF BROCLEAN<br>ALONE OR IN<br>TANK MIXTURES<br>TO SOBGHUM | Use the 2 pints/A rate on corn<br>to control susceptible weeds<br>that are growing under less<br>than optimum conditions and<br>where BROCLEAN + atrazine<br>tank mixtures cannot be used.   |

| PRODUCT  | RATE           | CROP                 | WEEDS                          |
|----------|----------------|----------------------|--------------------------------|
| BROCLEAN | Chemigation    | Apply to corn after  | Apply to MOST SUSCEPTI-        |
|          | 2 pints/A only | emergence but        | BLE broadleaf weeds up to      |
|          |                | prior to tassel      | the 8 leaf stage or 4 inches   |
|          |                | emergence.           | in height or 2 inches in       |
|          |                |                      | diameter, whichever comes      |
|          | )              | Apply to sorghum     | first. Apply to SUSCEPTIBLE    |
|          |                | and sudangrass       | broadleaf weeds up to the 4    |
|          |                | after emergence      | leaf stage, 2 inches in height |
|          |                | but prior to preboot | or 1 inch in diameter, which   |
|          | 1              | stage (growth        | ever comes first. Do not use   |
|          |                | stage 4).            | chemigation for control of     |
|          | 1              |                      | weeds that exceed 4 inches     |
| •        |                | Apply through        | in height because control      |
|          | 1              | automated spnnkler   | may be unacceptable.           |
|          |                | irrigation systems   |                                |
|          |                | with a mechanical    | · ·                            |
|          |                | transfer loading     |                                |
|          |                | system only. See     |                                |
|          |                | MIXING, LOADING      |                                |
|          |                | AND HANDLING         |                                |
| •        | 1              |                      |                                |
|          |                | details              |                                |

| CORN AND SORGHUM APPLICATION RATE TABLE - BROCLEAN |  |
|--|--|
|--|--|

| WEED SPECIES                 | 1                            | Pint/A    | 11/2 to 2 Pints/A4 |           |          |
|------------------------------|------------------------------|-----------|--------------------|-----------|----------|
|                              | Max.                         | Max. Weed | Max.               | Max. Weed |          |
| When determining             | leaf stage, count            | Leaf      | Height             | Leaf      | Height   |
| all leaves except co         | otyledonary leaves           | Stage     | (inches)           | Stage     | (inches) |
| Black Nightshade             | (Solanum nigrum)             | 6         | 6                  | 6         | 6        |
| Buffalobur                   | (Solanum rostratum)          | 4         | 2                  | 6         | 4        |
| Burcucumber                  | (Sicyos angulatus)           | -         | -                  | 4         | 4        |
| Common<br>Cocklebur          | (Xanthium strumarium)        | 6         | 8                  | 8         | 10       |
| Common<br>Lambsquarters      | (Chenopodium album)          |           | 6                  | -         | 8        |
| Common Ragweed               | (Ambrosla artemisiifolia)    | 6         | 4                  | 8         | 6        |
| Eastern Black<br>Nightshade  | (Solanum ptycanthum)         | 6         | 6                  | 6         | 6        |
| Giant Ragweed                | (Ambrosia trifida)           | 6         | 4                  | 6         | 6        |
| Hemp Sesbania                | (Sesbania exaltata)          | -         | -                  | 4         | 4        |
| Ivyleaf<br>Morningglory      | (lpomoea hederacea)          | 3         | 3                  | 4         | 4 ·      |
| Jimsonweed                   | (Datura stramonium)          | 4         | 4                  | 6         | 6        |
| Kochia                       | (Kochia scoparia)            | -         | -                  | -         | 2        |
| Ladysthumb                   | (Polygonum persicaria)       | 4         | 4                  | 6         | 6        |
| Pennsylvania<br>Smartweed    | (Polygonum<br>pensylvanicum) | 4         | •4                 | 6         | 6        |
| Pitted<br>Morningglory       | (lpomoea lacunosa)           | 3         | 3                  | 4         | 4        |
| Redroot Pigweed <sup>3</sup> | (Amaranthus retroflexus)     | •         | -                  | 4         | 2        |
| Spiny Pigweed <sup>3</sup>   | (Amaranthus spinosus)        | -         | -                  | 4         | 2        |
| Sunflower                    | (Helianthus annus)           | 4         | 6                  | 6         | 8        |
| Tall Morningglory            | (lpomoea purpurea)           | 3         | 3                  | 4         | 4        |
| Tali Waterhemp <sup>3</sup>  | (Amaranthus<br>tuberculatus) | -         | -                  | 4         | 2        |
| Velvetleaf                   | (Abutilon theophrasti)       | 4         | 3                  | 6         | 5        |
| Venice Mallow                | (Hibiscus trionum)           | -         | -                  | 4         | 2,       |
| Wild Buckwheat               | (Polygonum<br>convolvulus)   | 4         | 6                  | 6         | 8        |
| Wild Mustard                 | Sinapis arvensis)            | -         | -                  | 4         | 4 ·      |

WEEDS SUPPRESSED<sup>2</sup>

 
 Canada Thistle
 (Cirsium arvense)
 Not Recommended
 8 inch to bud s

 <sup>1</sup> When determining leaf stage, count all leaves except cotyledonary leaves.
 2
 BROCLEAN suppresses the growth by burning down of top growth. Regrowth
 8 inch to bud stage

BOCLEAR suppresses the growth by burning down of top growth. Regrowth may occur.
 Control of pigweeds in the high plains areas of Texas and Oktahoma may not be satisfactory with BROCLEAN. Repeat applications may be necessary to achieve satisfactory control.

<sup>4</sup> Do not apply BROCLEAN at the 2 pints/A rate to sorghum.

## BROCLEAN TANK MIXTURE RECOMMENDATIONS APPLICATION TIMING AND SPECIFIC COMMENTS

| PRODUCT  | DATE                    | CROP                | WEEDO                           |
|----------|-------------------------|---------------------|---------------------------------|
|          | Date                    |                     | WEEDS                           |
| BHOCLEAN | Premergence             | Apply to corn or    | See COHN AND SOHGHUM            |
| +        | 3/4-11/2 pints/A        | sorghum before      | APPLICATION RATE TABLE -        |
| atrazine | +                       | planting until just | BROCLEAN + ATRAZINE             |
|          | 1/2-11/6 lb ai/A        | prior to crop       | TANK MIXTURES for list of       |
|          |                         | emergence.          | weeds and corresponding         |
|          | 34-1 pint/A             | Apply to corn after | stages of growth that are       |
|          | +                       | emergence but       | controlled by BROCLEAN +        |
|          | 1/2-11/5 lb ai/A        | before corn is 12   | Atrazine tank mixtures at rec-  |
|          | (                       | inches tall.        | ommended rates of applica       |
|          |                         |                     | tion. For control of additional |
|          |                         | Apply to sorghum    | weeds not listed in the rate    |
| ÷        | ļ                       | after the 3 leaf    | table see the General Weed      |
|          |                         | stage but prior to  | List                            |
|          |                         | the preboot stage   |                                 |
|          |                         | (growth stage 4) or | 1                               |
|          | }                       | 12 inches in height |                                 |
|          |                         | whichever comes     |                                 |
|          |                         | first               |                                 |
|          | 1½ pints/A              | Anniv to corn       |                                 |
|          | +                       | between the 4       |                                 |
|          | 1⁄6-11/4 lh ai/A        | leaf stane and      |                                 |
|          | 72 775 1 <b>2 4</b> 077 | hefore corn is 12   |                                 |
|          |                         | inches tall         |                                 |
|          |                         | inones tail.        |                                 |
|          |                         | Apply to sorahum    |                                 |
|          |                         | between the 4 leaf  |                                 |
|          | 1                       | etane but prior to  |                                 |
|          |                         | the prehoot stage   |                                 |
|          |                         | (growth stage 4) or |                                 |
|          |                         | 12 inches in boight |                                 |
|          |                         | ubiobarar comes     |                                 |
|          |                         | whichever comes     |                                 |
|          |                         | nrst.               | L                               |

ATRAZINE TANK MIX RESTRICTIONS

Atrazine is a Restricted Use Herbicide. Due to ground water concerns, users must read and follow all precautionary statements and instructions on the atrazine label in order to minimize the potential for atrazine to reach ground water.

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#### CORN AND SORGHUM APPLICATION RATE TABLE -BROCLEAN + ATRAZINE TANK MIXTURES

| WEED SPECIES1   |            |        |           |        | BROCLI | EAN AND | D ATRAZ | NE RAT | E (TANK | MIX)     |       |       |   |
|---|------------|--------|-----------|--------|--------|---------|---------|--------|---------|----------|-------|-------|---|
|   | ¾ Pi       | nt/A   | % Pin     | VA A   | 1 Pin  | t/A     | 1 Pint  | /A     | 1½ P    | ints/A   | 1½ P  | nts/A |   |
|   |            | +      | +         |        |        | ÷       | +       | •      | 4       | +        |       | +     |   |
| •   | ½ Ib       | ai/A   | 1% Ib a   | al/A   | ½ lb i | ai/A    | 1% ib ( | ai/A   | ½ 10 :  | ai/A     | 1% Ib | ai/A  |   |
| When determining leaf stage, count all                | MAX        | MAX    | MAX       | MAX    | MAX    | MAX     | MAX     | MAX    | MAX     | MAX      | MAX   | MAX   |   |
| leaves except cotyledonary leaves.                    | LEAF       | WEED   | LEAF      | WEED   | LEAF   | WEED    | LEAF    | WEED   | LEAF    | WEED     | LEAF  | WEED  |   |
|   | STAGE      | HGT.   | STAGE     | HGT.   | STAGE  | HGT.    | STAGE   | HGT.   | STAGE   | HGT.     | STAGE | HGT.  |   |
| Black Nightshade (Solanum nigrum)                     | 4          | 4      | 4         | 4      | 6      | 6       | 6       | 6      | 6       | 6        | 6     | 6     |   |
| Buffalobur Solanum rostratum)                         | 4          | 4      | 4         | 4      | 6      | 4       | 6       | 4      | 6       | 4        | 6     | 4     |   |
| Burcucumber (Sicyos angulatus)                        | 4          | 4      | 4         | 4      | 4      | 4       | 6       | 6      | 6       | 6        | 6     | 6     |   |
| Common Cocklebur (Xanthium strumarium)                | 6          | 8      | 8         | 10     | 8      | 10      | 10      | 12     | 10      | 12       | 10    | 12    |   |
| Common Lambsquarters (Chenopodium album)              | -          | 6      | •         | 10     | -      | 10      | -       | 12     | •       | 12       | -     | 12    |   |
| Common Ragweed (Ambrosia artemisiifolia)              | 6          | 4      | 8         | 6      | 8      | 6       | 8       | 6      | 8       | • 6      | 8     | 6     |   |
| Eastern Black Nightshade (Solanum ptycanthum)         | 4          | 4      | 4         | 4      | _6     | 6       | 6       | 6      | 6       | 6        | 6     | 6     |   |
| Entireleaf Morningglory (Ipornoea hederacea)          | -          | · •    | 4         | 3      | 4      | 3       | 4       | 3      | 4       | 3        | 4     | 3     | • |
| Giant Ragweed (Ambrosia trifida)                      | 4          | 6      | 6         | 8      | 6      | 8       | 6       | 8      | 8       | 10       | 8     | 10    |   |
| Hemp Sesbania (Sesbania exattata)                     | 4          | 4      | 4         | 4      | 4      | 4       | 4       | 4      | 4       | 4        | 4     | 4     |   |
| Ivyleaf Morningglory (Ipomoea hederacea)              | 3          | Э      | 4         | 4      | 4      | 4       | 4       | 4      | 4       | 4        | 4     | 4     |   |
| Jimsonweed (Datura stramonium)                        | 4          | 4      | 4         | 4      | 6      | 6       | 6       | 6      | 6       | 6        | 6     | 6     |   |
| Kochia (Kochia scoparia)                              | -          | 2      | -         | 2      | -      | . 2     | -       | 2      | -       | 4        | -     | 4     |   |
| Ladysthumb (Polygonum persicaria)                     | 4          | 4      | 4         | 4      | 6      | 6.      | 8       | 8      | 8       | 8        | 8     | · 8   |   |
| Marestall (Conyza canadensis)                         | -          | •      | -         | 3      | •      | 5       | -       | 5      | -       | 5        | -     | 5     |   |
| Palmleaf Morningglory (Ipornoea wrightii)             | -          | -      | 4         | 3      | 4      | 3       | 4       | 3      | 4       | 8        | 4     | 3     |   |
| Pitted Morningglory (Ipornoea lacunosa)               | 3          | Э      | 4         | 4      | 4      | 4.      | 4       | 4      | 4       | 3        | 4     | 4     |   |
| Pennsylvania Smartweed (Polygonum                     | 4          | 4      | 4         | 4      | 6      | 6       | . 8     | 8      | 8       | 4        | 8     | 8     |   |
| pensylvanicum)  |            |        |           |        |        |         | · ·     |        |         |          |       |       |   |
| Pokeweed (Phytolacca americana)                       | -          | -      | 4         | 4      | 6      | 6       | 6       | 6      | 6       | 6        | 6     | 6     |   |
| Prickly Sida (Sida spinosus)                          | -          | •      | 6         | 2      | 4      | 1       | 6       | 2      | 4       | 1`       | 6     | 2     |   |
| Puncturevine (Tribulus terrestris)                    | •          | •      | •         | -      | •      | •       | 6       | 4      | 6       | 4        | 6     | 4     |   |
| Purple Morningglory (Ipornoea muricata)               | -          | -      | 2         | з      | 2      | Э       | 2       | 3      | 2       | 3        | 2     | з     |   |
| Redroot Pigweed <sup>3</sup> (Amaranthus retroflexus) | 4          | 2      | 8         | 6      | 6      | 4       | 8       | 6      | 6       | 4        | 8     | 6     |   |
| Smallflower Momingglory (Jacquemontia tamnifolia)     | -          | -      | 4         | з      | 4      | 3       | 4       | Э      | .4      | 3        | 4     | 3     |   |
| Smooth Pigweed <sup>3</sup> (Amaranthus hybridus)     | 4          | 2      | 6         | 4      | 4      | 2       | 6       | 4      | 6       | 4        | 6     | 4     |   |
| Spiny Pigweed <sup>3</sup> (Amaranthus spinosus)      | 4          | 2      | 8         | 6      | 6      | 4       | 8       | 6      | 6       | 4        | 8     | 6     |   |
| Sunflower (Helianthus annus)                          | 6          | 8      | 8         | 10     | .8     | 10      | 10      | 12     | 10      | 12       | 10    | 12    |   |
| Tall Momingglory (Ipomoea purpurea)                   | 3          | 3      | 4         | 4      | 4      | 4       | 4       | 4      | 4       | 4        | 4     | 4     |   |
| Tall Waterhemp <sup>3</sup> (Amaranthus tuberculatus) | 4          | 2      | в,        | 6      | 6      | 4       | 8       | 6      | 6       | 4.       | 8     | 6     |   |
| Toothed Spurge (Euphorbia dentata)                    | 2          | 2      | 2         | 2      | 4      | 4       | 4       | 4      | 4       | 4        | 4     | Å     |   |
| Velvetleaf (Abutilon theophrasti)                     | 4          | 3      | 4         | 3      | 6      | 5       | 6       | 5      | 8       | 6        | 8     | 6     |   |
| Venice Mallow (Hibiscus trionum)                      | 4          | 2      | 4         | 2      | 4      | 2       | 4       | 2      | 4       | 2        | 4     | ž     |   |
| Wild Buckwheat (Polygonum convolvulus)                | 6          | 8      | 8         | 10     | 8      | 10      | 10      | 12     | 10      | 12       | 10    | . 12  |   |
| Wild Mustard (Sinapis arvensis)                       | 4          | 4      | 4         | 4      | 4      | 4       | 4       | 4      | 4       | 4        | 4     | 4     |   |
|   |            |        |           |        |        |         |         |        |         |          |       |       |   |
| WEEDS SUPPRESSED <sup>2</sup>                         |            |        |           |        |        |         |         | ,      |         | <u> </u> |       |       |   |
| Canada thistia (Circlum an/anca)                      | Alat Dooon | mondod | Mat Danag | mandad | Q"     | hud     | 0" J    | hud    | 0"      | he well  | 0"    | لعريط |   |

<sup>1</sup> When determining leaf stage, count all leaves except cotyledonary leaves.

<sup>2</sup> Selected rates of BROCLEAN + atrazine tank mixtures suppress the growth by burning down of top growth. Regrowth may occur.

<sup>3</sup> If pigweeds (Amaranthus sp.) present in the field to be treated have been identified as triazine resistant biotypes, use BROCLEAN at 1½ pints/A in a tank mixture with atrazine at 1/2 or 11/8 lb ai/A. Applications should be made when pigweeds do not exceed the 4-leaf stage and 2 inches in height. Control of pigweeds in the high plains areas of Texas and Oklahoma may not be satisfactory with BROCLEAN + atrazine tank mixtures. Repeat applications may be necessary to achieve satisfactory control.

| ATRAZINE CONVERSION TABLE // |                  |                              |  |  |  |  |  |
|------------------------------|------------------|------------------------------|--|--|--|--|--|
| ATRAZINE<br>FORMULATION      | POUNDS OF ACTIVE | FORMULATION<br>RATE PER ACRE |  |  |  |  |  |
| Atrazine 4L                  | 1/2              | 1 Pint                       |  |  |  |  |  |
|                              | 11/5             | 2% Pints                     |  |  |  |  |  |
| Atrazine 80WP                | 1/2              | % Pound                      |  |  |  |  |  |
|                              | · 1½             | 11/2 Pounds                  |  |  |  |  |  |
| Aatrex®Nine-O <sup>12</sup>  | . 1/2            | % Pound                      |  |  |  |  |  |
|                              | 1%               | 11/3 Pounds                  |  |  |  |  |  |

<sup>1/</sup>Follow all precautions and limitations on the labels of products used in tank mixture with BROCLEAN.

SPECIAL USE DIRECTIONS FOR OTHER WEED PROBLEMS IN CORN AND SORGHUM

Large Common Cocklebur, Common Lambsquarters and Sunflower

For control of common cocklebur and common lambsquarters up to 14 inches in height and sunflower up to 18 inches in height, use a postemergence application of BRO-CLEAN at 1 pint/A. Make a second application of BROCLEAN at the same rate 7 to 10 days later.

#### Large Velvetleaf

For control of velvetleaf up to 14 inches in height, use postemergence application of BROCLEAN at 1½ to 2 pints/A or BROCLEAN + atrazine tank mixture at 1 pint/A + 1% Ib ai/A. Make a second application of BROCLEAN at 1 pint/A 7 to 10 days later, but do not exceed a total of 2 pints/A of BROCLEAN per season on field corn or popcorn.

#### Canada Thistle Management

For effective management of Canada thistle, the following BROCLEAN treatments should be applied to thistle from 8" to the bud stage for in-season burndown of top growth:

BROCLEAN at 1 -11/2 pints/A + Banvel or Clarity at 1/4 - 1/2 pint/A BROCLEAN at 1 - 11/2 pints/A + atrazine at 1/2- 11/6 lbs ai/A + Banvel or Clarity at 1/6 - 1/4 pint/A BROCLEAN at 1 - 11/2 pints/A + 2,4-D at 1/6 - 1/4 lb ai/A

BROCLEAN at 1 - 11/2 pints/A + atrazine at 1/2- 11/2 lbs ai/A + 2,4-D at 1/2 - 1/4 lb ai/A

If possible follow with cultivation 14-21 days after treatment. In the fall apply 2,4-D (such as Weedone<sup>9</sup> 638), Banvel<sup>10</sup>, Clarity<sup>10</sup> or Roundup<sup>8</sup> at recommended rates to Canada thistle 4-8 inches tall prior to killing frost. Follow with a similar control program in next year's rotational crop.

| ADDITIONAL BROCLEAN TANK MIXTURE RECOMMENDATIONS |
|--|
| APPLICATION TIMING AND SPECIEIC COMMENTS         |

| APPLICATION TIMING AND SPECIFIC COMMENTS |  |  |  |  |  |
|--|--|--|--|--|--|
| RATE                                     | CROP   | WEEDS  |  |  |  |
| 1 pint/A<br>+<br>¼-½ pint/A              | Apply to field corn after<br>emergence and before<br>corn is 36 inches tall or<br>15 days before tassel<br>emergence, whichever<br>cornes first.<br>Apply to sorghum<br>between the 3 leaf stage<br>and prior to the preboot<br>stage (growth stage 4)<br>or 15 inches in height,<br>whichever comes first.<br>Do not apply in the boot<br>stage. Use drop nozzles<br>if crop is taller than 8 | All weeds controlled by<br>BROCLEAN at recom-<br>mended rates of appli-<br>cation plus improved<br>control of pigweed.<br>For Canada thistle<br>burndown and field<br>bindweed suppression<br>up to the mid-bloom<br>stage, use ¼-½ pint/A of<br>Banvel with BROCLEAN.   |  |  |  |
|  | PLICATION<br>RATE<br>1 pint/A<br>+<br>%-½ pint/A   | PLICATION TIMING AND SPECIFIC CC           RATE         CROP           1 pint/A         Apply to field corn after<br>emergence and before<br>corn is 36 inches tall or<br>15 days before tassel<br>emergence, whichever<br>cornes first.           Apply to sorghum<br>between the 3 leaf stage<br>and prior to the preboot<br>stage (growth stage 4)<br>or 15 inches in height,<br>whichever cornes first.<br>Do not apply in the boot<br>stage. Use drop nozzles<br>if crop is taller than 8 |  |  |  |

## BROCLEAN®

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APPLICATION TIMING AND SPECIFIC COMMENTS PRODUCT RATE CROP WEEDS BROCLEAN 1 pint/A Apply to field corn after All weeds 1/19

|                          | EPA  | REG. NO. 34704-89         | 91  | BROCLEAN                  | 1 pint/A                             | Apply to field corn after   | All weeds controlled by    |
|--------------------------|--|---------------------------|---|---------------------------|--------------------------------------|-----------------------------|----------------------------|
| Å                        | PPLICATION                                   | TIMING AND SPECIFIC CO    | MMENTS  | atrazine                  | +<br>1⁄2-1%/bai/A                    | the corn is 12 inches tall. | tank mixtures at recom-    |
| PRODUCT                  | RATE   | CROP                      | WEEDS   | +                         | +                                    | Use drop nozzles if crop    | mended rates of appli-     |
| BROCLEAN                 | 1½ pints/A                                   | Apply to field corn       |   | 2,4-D                     | ¼₀-¼ lb ai/A                         | is taller than 8 inches.    | cation plus improved       |
|                          | +  | between the 4 leaf        |   | (SUCH as                  | [                                    | Apply to soroburn           | devils claw control. For   |
| Banveire                 | /‰-1⁄2 pint/A                                | 36 inches tall or 15 days | •   | WEEDAR <sup>®</sup> Brand |                                      | between the 3 leaf stage    | down and field bind-       |
|                          |  | before tassel emergence.  |   | HERBICIDE)                | 1                                    | and prior to the preboot    | weed suppression, use      |
|                          |  | whichever comes first.    |   | ,                         |                                      | stage (growth stage 4) or   | 1/6 - 1/4 lb ai/A of 2,4-D |
|                          |  |                           |   |                           |                                      | 12 inches in height,        | with BROCLEAN.             |
|                          | 1  | Apply to sorghum          | 1   |                           | {                                    | whichever comes first.      |                            |
|                          |  | and prior to the preboot  |   |                           | 1                                    | is taller than 8 inches.    |                            |
|                          | ]  | stage (growth stage 4)    | ]   |                           | 1½ pints/A                           | Apply to field corn         |                            |
|                          |  | or 15 inches in height,   |   |                           | +                                    | between the 4 leaf stage    |                            |
|                          |  | whichever comes first.    | · ·   |                           | 1/2-1% lb ai/A                       | and before the corn is 12   |                            |
|                          | 1  | Do not apply in the boot  |   |                           | +<br>1/1/1 10 21/A                   | inches tail. Use drop       |                            |
|                          |  | if crop is taller than 8  |   |                           |                                      | than 8 inches.              |                            |
|                          | <u>.                                    </u> | inches.                   | · · · ·                                       |                           |                                      |                             |                            |
| BROCLEAN                 | 1 pint/A                                     | Apply to field corn after | All weeds controlled by                       |                           | 1                                    | Apply to sorghum            |                            |
| +                        | +  | emergence and before      | BROCLEAN + atrazine                           |                           |                                      | between the 4 leaf stage    |                            |
| atrazine                 | ½ tO 1½<br>  b ai/A                          | corn is 12 inches tall.   | mended rates of appli-                        |                           |                                      | stage (growth stage 4) or   |                            |
| 1Banvel <sup>10</sup>    | +  | Apply to sorahum          | cation plus improved                          |                           |                                      | 12 inches in height,        |                            |
|                          | 1/4-1/4 pint/A                               | between the 3 leaf stage  | control of pigweed. For                       |                           |                                      | whichever comes first.      |                            |
|                          |  | and prior to the preboot  | field bindweed suppres-                       |                           | 1                                    | Use drop nozzles if crop    |                            |
|                          |  | stage (growth stage 4)    | Sion, use ¼ pint/A of<br>Barryol/Clarity with | BROCLEAN                  | 1 pint/A                             | Apply to field corn pre-    | All broadleaf weeds        |
|                          | 1  | whichever comes first.    | BROCLEAN.                                     | +                         | + <sup>'</sup>                       | emergence or post-          | controlled by BRO-         |
|                          |  | Use drop nozzles if crop  |   | Accent <sup>5</sup>       | ⅔ oz/A                               | emergence up to 36          | CLEAN at 1 or 11/2 pt/A    |
|                          | L  | is taller than 8 inches.  | -   | +                         | +                                    | inches tall. Use drop       | plus grasses and broad-    |
|                          | 11/2 pints/A                                 | Apply to field corn       | İ   | surfactant                | gal of water                         | 36 inches tall. Do not      | Accent For optimum         |
|                          | 16 - 114                                     | and before corn is 12     |   |                           | (0.25% v/v)                          | apply this tank mix to      | weed control, treat when   |
|                          | Ib ai/A                                      | inches tall.              |   |                           |                                      | sorghum.                    | broadleaves and            |
|                          | +  |                           |   |                           | 1 <sup>1</sup> / <sub>2</sub> pint/A | Apply to field corn         | grasses are in the rec-    |
|                          | % - ¼ pint/A                                 | Apply to sorghum          |   |                           | 24 07/A                              | Detween the 4 leaf stage    | ommended growth            |
|                          |  | between the 4 leaf stage  | -   |                           | +                                    | Use drop nozzles when       | the weed size guideline    |
|                          |  | stage (growth stage 4)    |   |                           | 1 qt/100                             | corn is 24-36 inches tall.  | on the BROCLEAN or         |
|                          | 1  | or 12 inches in height,   | ļ   | *                         | gal. of water                        | Do not apply this tank      | Accent labels that are     |
|                          |  | whichever comes first.    |   |                           | (0.25% v/v)                          | mix to sorghum.             | least restrictive.         |
|                          |  | Do not apply in the boot  |   | +                         | T PINZA                              | preemergence or post-       | controlled by BBO-         |
|                          | 1  | if crop is taller than 8  |   | atrazine                  | 1/2-11/6 lb ai/A                     | emergence but before        | CLEAN + atrazine plus      |
|                          |  | inches.                   |   | + ,                       | +                                    | the corn is 12 inches tall. | grasses and broad          |
|                          |  | 1Clarity10 may be used    |   | Accent                    | 2% 02/A                              | Do not apply this tank      | leaves controlled by       |
|                          | 1  | at the same rates as      |   | +<br>non-ionic            | 1 of/100                             | mix to solgnum.             | weed control treat         |
|                          |  | Danvel in a tank mixture  |   | surfactant                | gal. of water                        |                             | when broadleaves and       |
|                          |  | must be applied before    |   |                           | (0.25% v/v)                          |                             | grasses are in the rec-    |
|                          |  | corn exceeds 8 inches in  |   | •                         | 1½ pint/A                            | Apply to field corn         | ommended growth            |
|                          |  | height.                   |   |                           | +<br>1/6 - 11/4 lb ai/A              | of corn growth and before   | stage or size. Follow      |
|                          |  | Do not use Clarity in a   |   |                           | +                                    | the corn is 12 inches tall. | on the BROCLEAN or         |
|                          |  | BROCLEAN or               |   |                           | ²∕⊿ oz/A                             | Do not apply this tank      | Accent labels that are     |
|                          | 1  | BROCLEAN + atrazine       |   |                           | +                                    | mix to sorghum.             | least restrictive.         |
|                          | d =1=+/A                                     | on sorghum.               | All woods                                     |                           | nal of water                         |                             |                            |
| HUULEAN                  |  | Apply to field corn after | BROCLEAN at recom-                            |                           | (0.25% v/v)                          | · .                         |                            |
| 2,4-D                    | %-14 lb ai/A                                 | tassel emergence. Use     | mended rates plus                             | BROCLEAN                  | 1 pint/A                             | Apply to field corn from    | All broadleaf weeds        |
| (such as                 |  | drop nozzles if crop is   | improved pigweed and                          | +<br>Basat-               | +                                    | 4 to 20 inches in height,   | controlled by BRO-         |
| WEEDONE <sup>®</sup> and | 1  | taller than 8 inches.     | kochia control. For                           | beacon                    | 10.30-0.76<br>107/A1 (1-9            | not apply this tank         | OLEAN at 1 pt/A plus       |
| WEEDAR® Brand            | l  | Apply to corchum          | Canada thistle burn-                          | non-ionic                 | packets/4                            | mix to aorgnum.             | leaves controlled by       |
| nendicide)               |  | hetween the 3 leaf stage  | weed suppression up to                        | surfactant                | acres)                               |                             | Beacon. For optimum        |
|                          | 1  | and prior to the preboot  | the midbloom stage,                           |                           | +                                    |                             | weed control, treat        |
|                          |  | stage (growth stage 4) or | use 1/6 - 1/4 lb ai/A of                      |                           | 1 qt/100 gal.                        |                             | when broadleaves and       |
|                          | 1  | 15 inches in height.Use   | 2,4-D with BROCLEAN.                          |                           | (0.25% v/v)                          |                             | grasses are in the rec-    |
|                          |  | taller than 8 inches      |   |                           |                                      |                             | stage or size. Follow      |
|                          | 11/2 pints/A                                 | Apply to field corn       | 1   |                           |                                      |                             | the weed size guide        |
| ÷                        | +  | between the 4 leaf stage  |   |                           | 1                                    |                             | lines on the               |
|                          | ⅓s-¼ lb ai/A                                 | and prior to tassel       |   |                           |                                      |                             | labels that are least      |
|                          |  | emergence. Use drop       |   |                           |                                      |                             | restrictive,               |
|                          |  | than 8 inches.            |   |                           |                                      |                             |                            |
|                          |  |                           |   |                           |                                      |                             |                            |
|                          | 1  | Apply to sorghum          | 1   |                           |                                      |                             |                            |
|                          |  | between the 4 leaf stage  |   |                           |                                      |                             |                            |
|                          |  | stage (growth stage 4) or |   |                           |                                      |                             |                            |
|                          | ſ  | 15 inches in height. Use  |   |                           |                                      |                             |                            |
|                          |  | drop nozzles if crop is   | · ·   |                           |                                      |                             |                            |
|                          | <u> </u>                                     | taller than 8 inches,     | L   |                           |                                      |                             |                            |

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| PRODUCT              | BATE            | CROP                      | WEEDS                        |
|----------------------|-----------------|---------------------------|------------------------------|
| BROCLEAN             | %-1 pint/A +    | Apply to field corn from  | Addition of Exceed at        |
| +                    | 0.5-1.0 oz/A    | 4 to 48 inches in height  | 0.5 ounce/A to BRO-          |
| Exceed <sup>12</sup> | +               | and before tasseling.     | CLEAN at 34-1 pint/A         |
| +                    | 1 qt/100        | whichever comes first.    | will control all weeds on    |
| non-ionic            | gal. of water   | Do not apply this tank    | the BROCLEAN label           |
| surfactant           | (0.25% v/v)     | mix to sorghum.           | at 1 pint/A plus improved    |
|                      |                 | -                         | control of velvetleaf and    |
|                      |                 |                           | pigweed species.             |
| •                    |                 |                           | Addition of Exceed at 1.0    |
|                      | 1               |                           | oz/A to BROCLEAN at          |
|                      |                 |                           | 34-1 pint/A will control all |
|                      | 1               |                           | weeds on both the            |
|                      |                 |                           | BROCLEAN and Exceed          |
|                      |                 |                           | labels. Follow the weed      |
|                      | 4               |                           | size guidelines on the       |
|                      | · · ·           |                           | BROCLEAN and Exceed          |
|                      | 1               | 1                         | labels that are least        |
| ·                    |                 |                           | restrictive.                 |
| BROCLEAN             | ¾-1 pint/A      | Apply to field corn       | Addition of Permit at%       |
| +                    | +               | from the 3 leaf stage     | oz./A to BROCLEAN at 34-     |
| Permit <sup>e</sup>  | '‰-⅔ oz/A       | to layby. Do not apply    | 1 pint/A will control all    |
| +                    | +               | this tank mix to sorghum. | weeds on the BROCLEAN        |
| non-ionic            | 1 qt/100        |                           | label at 1 pint/A plus       |
| surfactant           | gal. of water   |                           | improved control of velvet-  |
|                      | (0.25% v/v)     |                           | leaf and pigweed species.    |
|                      |                 |                           | Addition of Permit at %      |
|                      |                 |                           | oz./A to BROCLEAN at         |
|                      | · ·             |                           | %-1 pint/A will control all  |
|                      |                 |                           | weeds on both the            |
|                      | - [- ·          |                           | BROCLEAN and Permit          |
|                      | 1               |                           | labels. Follow the weed      |
|                      |                 |                           | size guidelines on the       |
|                      |                 |                           | BROCLEAN and Permit          |
|                      |                 |                           | labels that are least        |
|                      |                 | Apply to field earn       | All woods controlled by      |
| DRUCLEAN             | I I DITUR       | Apply to field com        | All weeds controlled by      |
| +<br>Stinoor1        | 14-24 pipt/A    | 24 inches in height       | mondod rates of applica-     |
| Sunger.              | 1 2 A PILINA    | Do not apply this tank    | tion plus improved           |
|                      |                 | mix to sorabum            | Canada thistle hurndown      |
|                      | 1 1/2 pints/A   | Apply to field corn from  | For optimum perfor-          |
|                      | +               | 4 leaf stage up to 24     | mance apply to Canada        |
|                      | 16 - % nint/A   | inches in height Do       | thistle at least 4 inches in |
|                      |                 | not apply this tank mix   | diameter or height but       |
|                      | l               | to sorghum.               | before bud stage.            |
| BROCLEAN             | 1 pint/A        | Apply to field corn after | All weeds controlled by      |
| +                    | +               | emergence and before      | BROCLEAN + atrazine          |
| atrazine             | 1/2-11% lb ai/A | corn is 12 inches tall.   | tank mixtures at recom-      |
| +                    | +               | Do not apply this tank    | mended rates of applica-     |
| Stinger <sup>4</sup> | 1/2-2% pint/A   | mix to sorghum.           | tion plus improved           |
| -                    |                 |                           | Canada thistle burndown.     |
|                      | 11/2 pints/A    | Apply to field corn from  | · · · ·                      |
|                      | +               | 4 leaf stage and before   | For optimum performance      |
|                      | 1⁄2-1⅓ lb ai/A  | corn is 12 inches tall.   | apply to Canada thistle at   |
|                      | +               | Do not apply this tank    | least 4 inches in diameter   |
|                      | %-% pint/A      | mix to sorghum.           | or height but before bud     |
|                      |                 | <u> </u>                  | stage.                       |
| BROCLEAN             | 34-1 pint/A     | Apply this tank mix       | This tank mix will control   |
| +                    | +               | only on field corn        | all broadleaf weeds listed   |
| Pursuit              | 4 ounces/A      | hybrids possessing        | as controlled by BRO-        |
| +                    | +               | resistance to Pursuit     | CLEAN at ¾-1 pint/A          |
| nonionic             | 1 qt/100 gals.  | herbicide. Contact your   | plus giant foxtail, redroot  |
| surfactant           | +               | seed supplier for         | pigweed, and other grass     |
| +                    | 1-2 qts./A      | further information.      | and broadleaf weeds          |
| UAN fertilizer       | 1               | Apply this tank mix to    | listed on the Pursuit        |
| solution             | 1               | corn between the 3        | label.                       |
|                      | 1               | leaf to 8 leaf stage of   |                              |
|                      |                 | growth. Do not use        |                              |
|                      | 1               | crop oil concentrates     |                              |
|                      | 1               | when applying             |                              |
|                      | 1               | BROCLEAN + Pursuit        | 1                            |
|                      | 1               |                           |                              |

| APPLICATION TIMING AND SPECIFIC COMMENTS |   |                            |                              |  |  |
|--|---|----------------------------|------------------------------|--|--|
| PRODUCT                                  | RATE                                      | CROP                       | WEEDS                        |  |  |
| BROCLEAN                                 | 1 pint/A                                  | Apply to field corn        | All weeds controlled by      |  |  |
| + _                                      | +   | between the 3 leaf stage   | BROCLEAN at 11/2             |  |  |
| Bladex 80W <sup>5</sup>                  | 11%-21/2 lb/A                             | and before the fifth leaf  | pints/A plus suppression     |  |  |
| or _                                     | or  | is visible in the whorl.   | or control of foxtails and   |  |  |
| Bladex 90DF <sup>5</sup>                 | 1 <sup>3</sup> /10-2 <sup>1</sup> /5 lb/A | Tank mixture with          | other annual grasses that    |  |  |
|  | 1   | Bladex or Extrazine        | do not exceed 11/2 inches    |  |  |
|  |   | may cause browning,        | in height.                   |  |  |
| BROCLEAN                                 | 1 pint/A                                  | yellowing or stunting      | Determine the Bladex or      |  |  |
| + _                                      | +   | of field corn. Do not      | Extrazine use rate by        |  |  |
| Extrazine II DF <sup>5</sup>             | 1 1/10-2 5 lb/A                           | apply BROCLEAN in          | consulting the tank mix-     |  |  |
| or _                                     | [   | tank mixture with          | ture product use direc-      |  |  |
| Extrazine 90DF <sup>5</sup>              |   | Bladex or Extrazine        | tions for soil texture,      |  |  |
|  | 1   | under cold, wet weather    | organic matter and previ-    |  |  |
|  |   | conditions or to weather,  | ous herbicide application    |  |  |
|  |   | storm, disease or          | to that crop.                |  |  |
|  | 1   | insect-stressed field      |                              |  |  |
|  | l   | corn. Do not add           |                              |  |  |
|  | 1   | adjuvants such as          | )                            |  |  |
|  | Į   | surfactant or crop oils    | 1                            |  |  |
|  | 1   | or fertilizer solutions as |                              |  |  |
|  | 1   | excessive crop injury      | 1                            |  |  |
|  |   | may occur. Do not          |                              |  |  |
|  | j   | apply to popcorn or        |                              |  |  |
|  |   | corn grown for seed.       | <u> </u>                     |  |  |
| BROCLEAN®                                | Preemergence                              | Apply to corn or           | All weeds controlled by      |  |  |
| +  | 1-11/2 pints/A                            | sorghum before planting    | BROCLEAN at recom-           |  |  |
| Roundup <sup>8</sup>                     | +   | time up until just prior   | mended rates of applica-     |  |  |
|  | 1/2-3 pints/A                             | to crop emergence.         | tion plus control of certain |  |  |
|  |   |                            | grass and perennial weeds.   |  |  |
|  | i .                                       | Refer to Roundup label     |                              |  |  |
|  | 1   | for rate to use depending  |                              |  |  |
|  |   | on weeds present at        |                              |  |  |
|  |   | time of application.       |                              |  |  |

P/19

ESTRICTIONS AND PRECAUTIONS: Corn (Field and Pop), Sorghum (Grain and orage) and Sudangrass

BROCLEAN does not control grasses. Therefore, it is recommended that a suitable grass control program be used to provide any required grass control.

Addition of a spray additive or mixture with liquid fertilizers may cause excessive crop leaf burn.

- Seed corn producers should consult the respective seed corn company regarding tolerance of certain seed production inbred lines to BROCLEAN. Do not apply BROCLEAN postemergence to seed corn inbreds or popcorn prior to the
- 3 leaf stage of crop growth as excessive crop leaf burn may occur.
- Do not plant rotational crops until the following season.
- Do not cut crop for feed, fodder or graze within 30 days of application.
- The total cumulative rate may not exceed 0.5 lb ai bromoxynil/A (2 pints Broclean/A). Postemergence application prior to the 3 leaf growth stage of corn or sorghum may result in increased crop leaf burn.
- Tank mixtures with Accent/nonionic surfactant or Beacon/nonionic surfactant may result in increased initial crop leaf burn. Use of crop oil concentrate, nitrogen fertilizer solution or other adjuvants in BROCLEAN + Accent or BROCLEAN + Beacon tank mixtures may result in a further increase in crop leaf burn.
- Special care should be taken when using BROCLEAN, Banvel, Clarity or 2,4-D tank mixtures to avoid off target drift to sensitive crops.

Tank mixtures with 2,4-D, Banvel, or Clarity can cause stalk brittleness to field corn. Tank mixtures with 2,4-D and Banvel can cause stalk brittleness to sorghum. Winds or cultivation may cause breakage while crop is brittle.

- Follow all restrictions and precautions on the label of all products used in tank mixture with BROCLEAN.
- with BROCLEAN. Do not apply BROCLEAN at any rate to sorghum after the preboot stage of growth (growth stage 4) as severe crop injury, including loss of crop yield may result. Do not apply the 2 pints/A rate of BROCLEAN to sorghum. Do not apply the BROCLEAN + Pursuit tankmix except to field corn hybrids known to
- possess resistance to Pursuit, or severe crop injury may result.

| WHEAT, BARLEY, OATS, RYE AND TRITICALE<br>BROCLEAN RECOMMENDATIONS<br>APPLICATION TIMING AND SPECIFIC COMMENTS |               |  |   |  |  |
|--|---------------|--|---|--|--|
| PRODUCT  | RATE          | CROP   | WEEDS   |  |  |
| BROCLEAN   | 1 - 2 pints/A | Spring seeded wheat,<br>barley, oats, rye and<br>triticale. Use in all<br>states except Idaho,<br>Oregon, Washington,<br>Colorado, Wyoming<br>and Montana. Apply<br>from emergence up<br>and prior to the boot<br>stage. | Apply 1 pint/A to MOST<br>SUSCEPTIBLE and 1½-2<br>pints/A to SUSCEPTIBLE<br>weeds that do not exceed<br>the 4 leaf stage or 2<br>inches in height, which<br>ever comes first. If weed<br>forms rosette, apply<br>before weeds exceed<br>1 inch in diameter. |  |  |
|  |               |  | Use BROCLEAN at 1½-2<br>pints/A for control of<br>kochia that is 2-4 inches<br>in height and pigweed<br>that does not exceed the<br>4 leaf stage or 2 inches in<br>height, whichever comes  |  |  |

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| APPLICATION TIMING AND SPECIFIC COMMENTS   |  |  |   |  |  |
|--|--|--|---|--|--|
| PRODUCT  | RATE   | CROP   | WEEDS   |  |  |
| BHOCLEAN   | 1½-2 pints/A   | Fall seeded wheat,<br>barley, oats, rye and<br>triticale throughout the<br>United States. Apply<br>from emergence to the<br>boot stage.  | Apply to MOST SUSCEP-<br>TIBLE weeds (see Gen-<br>eral Weed List) up to<br>the 8 leaf stage or 4<br>inches in height, which<br>ever comes first. If weed<br>forms rosette apply   |  |  |
|  |  | Spring seeded wheat,<br>barley, oats, rye and<br>triticale in Idaho,<br>Oregon, Washington,<br>Colorado, Wyoming<br>and Montana. Apply<br>from emergence up<br>and prior to the boot<br>stage.   | before weeds exceed 2<br>inches in diameter. Apply<br>to SUSCEPTIBLE<br>broadleaf weeds up to the<br>4 leaf stage, 2 inches in<br>height or 1 inch in diame-<br>ter, whichever comes first.   |  |  |
|  | 2 pints/A  | Apply to wheat, barley,<br>oats, rye and triticale<br>from emergence to the<br>boot stage. Apply<br>through automated<br>sprinkler irrigation<br>systems with a mech-<br>anical transfer loading<br>system only. See<br>MIXING, LOADING<br>AND HANDLING<br>INSTRUCTIONS<br>section for complete<br>details.  | Apply to MOST SOS-<br>CEPTIBLE broadleaf<br>weeds up to the 8 leaf<br>stage or 4 inches in-<br>height or 2 inches in<br>diameter, whichever<br>comes first. Apply to<br>SUSCEPTIBLE broadleaf<br>weeds up to the 4 leaf<br>stage, 2 inches in height<br>or 1 inch in diameter,<br>whichever comes first.<br>Do not use chemigation<br>for control of weeds that<br>exceed 4 inches in height<br>because control may be<br>unacceptable. |  |  |
|  | Barley, oats,<br>rye, triticale,<br>and wheat<br>underseeded<br>with Alfalfa<br>1-1½ pints/A | Apply to barley, oats,<br>rye, triticale, and wheat<br>underseeded with<br>alfalfa after barley,<br>oats, rye, triticale, and<br>wheat emerge up to<br>the boot stage and<br>when underseeded<br>alfalfa has a minimum<br>of 4 trifoliate leaves.<br>Follow all precautions<br>and restrictions listed<br>under the barley, oats,<br>rye, triticale, wheat and<br>seedling alfalfa sections. | Apply 1 pint/A to MOST<br>SUSCEPTIBLE and 1½<br>pints/A to SUSCEPTIBLE<br>broadleaf weeds that do<br>not exceed the 4 leaf<br>stage, 2 inches in height<br>or 1 inch in diameter,<br>whichever comes first.   |  |  |
|  | BROCLEAN<br>APPLICATIO   | TANK MIXTURE RECONN TIMING AND SPECIFI   | MMENDATIONS   |  |  |
| PRODUCT<br>BROCLEAN<br>+<br>2,4-D<br>(such as<br>WEEDONE® or<br>WEEDAR® brand<br>HEBBI(DE) | RATE<br>1-2 pints/A<br>+<br>¼-½ lb ai/A  | CROP<br>Apply to wheat, barley,<br>oats and rye from the<br>fully tillered and before<br>jointing stage.   | WEEDS<br>This tank mix improves<br>control of mustards and<br>pigweed. Apply to weeds<br>up to the 4 leaf stage, 2<br>inches in height or 1 inch<br>in diameter, whichever<br>comes first   |  |  |
|  | ¾-1 pint/A<br>+<br>¼-½ lb ai/A   | Apply to wheat and<br>barley in Minnesota,<br>North and South<br>Dakota from the fully<br>tillered and before the<br>jointing stage.   | This tank mix improves<br>control of wild buck-<br>wheat, redroot pigweed<br>and wild mustard. Apply<br>to weeds up to the 4 leaf<br>stage, 2 inches in height<br>or 1 inch in diameter,<br>whichever comes first.  |  |  |
| BROCLEAN<br>+<br>MCPA<br>(such as<br>RHONOX® or<br>RHONENE9)                               | 1-2 pints/A<br>+<br>¼-½ lb ai/A  | Apply to wheat, barley,<br>oats and rye from the<br>4 leaf stage and<br>before jointing.   | This tank mix improves<br>control of mustards, pig-<br>weed and kochia. Apply<br>to weeds up to the 4 leaf<br>stage, 2 inches in height<br>or 1 inch in diameter,<br>whichever comes first.   |  |  |
| BROCLEAN<br>+<br>Banvel <sup>10</sup>  | 1-1½ pints/A<br>+<br>%-¼ pint/A  | Fall seeded wheat<br>apply prior to the<br>jointing stage. Spring<br>seeded wheat apply<br>up to the 5 leaf stage.   | This tank mix improves<br>control of broadleaves<br>such as prostrate knot-<br>weed. Apply to weeds up<br>to the 4 leaf stage, 2<br>inches in height or 1 inch<br>in diameter, whichever<br>comes first   |  |  |

|                              | APPLICATIO                    | N TIMING AND SPECIFI     | C COMMENTS                   |
|------------------------------|-------------------------------|--------------------------|------------------------------|
| PRODUCT                      | RATE                          | CROP                     | WEEDS                        |
| BROCLEAN                     | %-11/2 pints/A                | Apply to wheat and       | This tank mix improves       |
| +                            | +                             | barley from the 2 leaf   | control of broadleaves       |
| Glean                        | %-% OZ/A                      | stage and before boot    | SUCH as hendit, tansy        |
| +<br>nonionio curfactori     | +                             | label for crop rotation  | Apply to woods up to the     |
| HUNDING SUNACIAIN            | r quitou                      | and other restrictions   | A leaf stage A inches in     |
|                              | gai. Of White                 | and other restrictions.  | height or 2 inches in        |
|                              | 1                             |                          | diameter, whichever          |
|                              |                               |                          | comes first.                 |
| BROCLEAN                     | 34-11/2 pints/A               | Apply to wheat and       | This tank mix improves       |
| +                            | +                             | barley from the 2 leaf   | control of broadleaves       |
| Ally <sup>5</sup>            | 1/10 OZ/A                     | stage and before the     | such as tansy mustard        |
| +                            | +                             | boot stage. Refer to     | and pigweed. Apply to        |
| nonionic suffactant          | 1 qt/100                      | Ally label for crop      | weeds up to the 4 leaf       |
|                              | gai. of water                 | rotation and other       | stage, 4 inches in height    |
|                              |                               | restrictions.            | whichever comes first        |
| BBOCI EAN                    | 3/-11/2 nints/A               | Apply to wheat and       | This tank mix improves       |
| +                            | +                             | barley from the 2 leaf   | control of broadleaves       |
| Finesse <sup>1</sup>         | 1%-1/3 oz/A                   | stage and before the     | such as tansy mustard.       |
| +                            | +                             | boot stage. Refer to     | henbit, chickweed and        |
| nonionic surfactant          | 1 gt/100                      | Finesse label for crop   | pigweed. Apply to weeds      |
| •                            | gal. of water                 | rotation and other       | up to the 4 leaf stage, 4    |
|                              | [                             | restrictions.            | inches in height or 2        |
|                              | 1                             |                          | inches in diameter,          |
|                              | 3/ 11/                        | Annhuto unbest and       | whichever comes first.       |
| BHOOLEAN                     | / <sup>*/4-1</sup> /2 pints/A | Apply to wheat and       | control of broadloau on      |
| +<br>Amber12                 | 0 28-0 56 07/4                | stane and before the     | such as tansy mustard        |
| +                            | +                             | flag leaf is visible.    | henbit, and piaweed.         |
| nonionic surfactant          | 0.25-0.5% v/v                 | Refer to the Amber       | Apply to weeds up to the     |
|                              | }                             | label for crop rotation  | 4 leaf stage, 4 inches in    |
|                              |                               | and other restrictions.  | height or 2 inches in        |
|                              | Į .                           |                          | diameter, whichever          |
|                              |                               |                          | comes first.                 |
| BROCLEAN                     | 1-11/2 pints/A                | Winter wheat. Apply      | This tank mix improves       |
| +                            | +                             | after crop is in the 2   | control of broadleat         |
| express-                     | 7/6=7/3 OZ/A                  | the flee leaf is visible | pigweed tappy mustord        |
| nonionic surfactant          | 1 01/100                      | Refer to Express         | and suppression of           |
| nono sundolan                | gal, of water                 | label for crop rotation  | Canada thistle. Apply to     |
|                              | J                             | and other restrictions.  | annual weeds up to the 4     |
|                              | 34-11/2 pints/A               | Spring wheat and barley. | leaf stage, 4 inches tall or |
|                              | + .                           | Apply after crop is in   | across and to Canada         |
|                              | '‰-⅓ oz/A                     | the 2 leaf stage and     | thistle 4 to 8 inches tall   |
|                              | +                             | before the flag leaf is  | with 2 to 6 inches of new    |
|                              | 1 0/100                       | VISIDIE. Heter to        | growth.                      |
|                              | gai. of water                 | express label for crop   |                              |
|                              |                               | restrictions             |                              |
| BBOCI FAN                    | 34-11/2 nints/A               | Winter wheat Anniv       | This tank mix improves       |
| +                            | +                             | after the 2 leaf stage   | control of broadleaf         |
| Harmony Extra <sup>5</sup>   | %-1/2 oz/A                    | and before the 3rd node  | weeds such as henbit,        |
| +                            | +                             | is detectable. Refer to  | chickweed and redroot        |
| nonionic surfactant          | 1 qt/100                      | the Harmony Extra        | pigweed. Apply to weeds      |
|                              | gal. of water                 | label for crop rotation  | up to 4 leaf stage, 4        |
|                              | 1.                            | and other restrictions.  | inches in height or          |
|                              | 1                             | Coring wheel and hada    | across whichever comes       |
|                              | 1                             | Apply after the 2 leaf   | ansı.                        |
|                              |                               | stage and before the 1et |                              |
|                              | 1                             | node is detectable.      |                              |
|                              | 1                             | Refer to the Harmony     |                              |
|                              | · ·                           | Extra label for crop     |                              |
|                              |                               | rotation and other       |                              |
|                              | ļ                             | restrictions.            |                              |
| BROCLEAN                     | 1-1½ pints/A                  | Apply to wheat and       | This tank mix improves       |
| +                            | +                             | barley after the crop    | control of kochia, wild      |
| Curtal                       | 2 pints/A                     | Degins to tiller up to   | buckwheat and Cahada         |
| Or<br>Curtoil M <sup>4</sup> |                               | the 1st houe detectable. | tristie. Apply to annual     |
| Curtali IVP                  |                               |                          | the 8 leaf stars up to 4     |
|                              |                               |                          | inches in height or 2        |
|                              | 1                             |                          | inches in diameter and       |
|                              |                               |                          | Canada thistle in the        |
|                              | <u> </u>                      | L                        | rosette to prebud stage.     |

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| ·                    | APPLICATIO  | N TIMING AND SPECIF        | IC COMMENTS                 | spring, at lea                    |
|----------------------|---|----------------------------|-----------------------------|-----------------------------------|
| PRODUCT              | RATE  | CROP                       | WEEDS                       | <ul> <li>Reduced we</li> </ul>    |
|                      | i-1% pints/A  | winter wheat in Idaho,     | I his tank mix improves     | or cold temp                      |
| metribuzio           | +<br>%-1⁄4 th ai/A  | Washington Apply in        | such as chickweed fila-     | <ul> <li>Heter to labe</li> </ul> |
| (Sencor <sup>2</sup> | 10 14 10 CUT  | spring after growth has    | ree, henbit and dog-        | <ul> <li>Do not plant</li> </ul>  |
| or Lexone5)          |   | started and secondary      | fennel. Apply to weeds      | <ul> <li>The total cur</li> </ul> |
| .,                   |   | roots with a minimum       | that do not exceed 2        | Broclean/A).                      |
|                      |   | of 3 to 4 tillers have     | inches tall or rosettes of  | ,                                 |
|                      |   | been established and       | 2 inches in diameter.       |                                   |
|                      |   | before boot stage.         | The higher use rates of     |                                   |
|                      |   | crop has experienced       | used only in emergency      | DRODUCT                           |
|                      |   | winter kill, frost damage. | weed situations and if      | BBOCLEAN                          |
|                      |   | disease or drought.        | some minor crop injury is   | DIROCLEAR                         |
|                      |   | _                          | acceptable. A recognized    |                                   |
|                      |   |                            | authority should be         |                                   |
|                      |   |                            | consulted concerning the    |                                   |
|                      |   |                            | in your area                |                                   |
| BROCLEAN             | 1 pint/A  | Winter wheat and winter    | This tank mix improves      | -                                 |
| +                    | +   | barley in Idaho, Oregon    | control of broadleaves      |                                   |
| diuron               | ‰ lb ai/A   | and Washington. Use        | such as henbit and          |                                   |
|                      |   | only in areas where        | gromwell. Apply to weeds    |                                   |
|                      |   | annual rainfall exceeds    | before they are 2 inches    |                                   |
|                      |   | 16 inches. One tall        | tall or 2 inches in         |                                   |
|                      |   | application after emer-    | diarneter.                  |                                   |
|                      |   | freezes or in soring as    | · · · ·                     |                                   |
|                      |   | soon as soil thaws.        | •                           | _                                 |
| BROCLEAN             | 1 pint/A  | Spring wheat. Apply        | In addition to broadleaf    | -                                 |
| <u>+</u>             | +   | when crop begins to        | weeds controlled by         |                                   |
| 1 iller/             | 1 pint/A  | tiller (3-4 leaf stage)    | BHOCLEAN, this tankmix      |                                   |
|                      |   | Befer to the Tiller label  | from the 2-leaf to 2-tiller |                                   |
|                      |   | for complete use direc-    | stage of growth.            |                                   |
|                      |   | tions and restrictions.    |                             | -                                 |
| BROCLEAN             | 1 -2 pints/A  | Spring Barley. After       | This tank mix will provide  |                                   |
| +                    | +   | emergence and before       | wild oat, green foxtail and |                                   |
| Hoelon               | 2% pints/A  | jointing. Avoid using this | annual ryegrass control     | •                                 |
|                      |   | exposed to cold (lower     | leaves Apply to grasses     |                                   |
|                      |   | than 40 degrees F)         | 1-3 leaf stage and          |                                   |
|                      | ļ   | and/or prolonged wet       | broadleaves no larger       |                                   |
|                      | 1   | weather conditions as      | than 4 leaf stage or        |                                   |
|                      |   | crop injury may result.    | rosettes of 1.5 inches in   |                                   |
|                      | 1-2   | Winter wheat and           | diameter.                   |                                   |
|                      | pints/A   | spring wheat. After        | Ì                           |                                   |
|                      | +   | emergence and before       |                             |                                   |
|                      | 22/3-31/2 pints/A   | jointing.                  |                             | -                                 |
| BROCLEAN             | 1-2 pints/A   | Winter wheat and           |                             |                                   |
| +<br>Hoelon7         | +<br>2-2% pipts/A   | spring wheat. After        |                             |                                   |
| +                    |   | ininting Use a             |                             |                                   |
| crop oil concentrate | 1-2 pints/A   | minimum of 10 gallons      | . ·                         |                                   |
|                      | l ·   | of spray volume per        |                             |                                   |
|                      |   | acre.                      |                             |                                   |
|                      |   |                            |                             |                                   |
|                      |   | BARI EV                    |                             | :                                 |
| BROCLEAN             | 1-2 pints/A   | Winter Wheat, Four         | This tank mix will provide  | -                                 |
| +                    | +   | leaf to tillering stage.   | wild oat control in         |                                   |
| Avenge <sup>1</sup>  | 21/2-4 pints/A  | Refer to Avenge label      | addition to broadleaves.    |                                   |
| •                    | ]   | for varietal and other     | Apply to wild oats in the   |                                   |
|                      |   | restrictions.              | 3-5 leaf stage and broad-   | BROCLEAN                          |
|                      |   | Spring writeat. Hive to    | evoced the 4 loof store     |                                   |
|                      | ĺ   | Avenue label for varietal  | or rosettes of 1.5 inches   |                                   |
|                      | 1   | and other restrictions.    | in diameter.                |                                   |
|                      | }   | Barley. Two to 7 leaf      |                             |                                   |
|                      | ļ   | stage.                     | Avenge use rates per        |                                   |
|                      | 1   |                            | acre are 2.5 pints (1-10    |                                   |
|                      | [   |                            | oats per sq. ft.), 3 pints  |                                   |
|                      |   |                            | 4 pints (more then 25       |                                   |
|                      | 1   |                            | oats per sq. ft.).          | _                                 |
|                      | and the second se |                            |                             | -                                 |

RESTRICTIONS AND PRECAUTIONS: Small Grains (Wheat, Barley, Oats, Ry and Triticale)

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Do not graze treated fields within 45 days following treatment. Do not apply when crops are under moisture stress. Do not apply when crop canopy covers the weeds as poor weed control will .• result.

Do not apply when underseeded alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.

- · Do not add a surfactant or crop oil when applying to underseeded alfalfa or Do not cut for feed or graze spring treated underseeded alfalfa within 30 days

- bo not cut for feed or graze send of white treated underseeded alfalfa until spring, at least 60 days following treatment. Reduced weed control may occur when weeds are stressed from lack of moisture
- els of products used in tank mixture of additional restrictions and
- rotational crops until the following use season. mulative rate must not exceed 0.5 lb. ai bromoxynil/A (2 pints

## FORAGE, FIBER AND SPECIALTY CROPS ALFALFA (SEEDLING) BROCLEAN RECOMMENDATIONS

|          | APPLICATION T  | IMING AND SPECIFIC C          | OMMENTS                   |
|----------|----------------|-------------------------------|---------------------------|
| PRODUCT  | RATE           | CROP                          | WEEDS                     |
| BROCLEAN | 1-11/2 pints/A | In the states of Cali-        | Apply 1 pint/A to MOST    |
|          |                | fornia, Washington,           | SUSCEPTIBLE broad-        |
|          |                | Oregon, Idaho, Montana,       | leaf weeds and 11/2       |
|          |                | Wyorning, Colorado,           | pints/A for SUSCEP-       |
|          |                | Utah, Nevada, Arizona,        | TIBLE broadleaf weeds     |
| •        |                | New Mexico, and the           | (See General Weed List    |
|          |                | western halves of             | when weeds do not         |
|          |                | North Daketa, South           | exceed 4 leaf stage, 2    |
|          |                | Dakota, Nebraska and          | inches in height or 1 inc |
|          |                | Kansas: Apply in the fall     | in diameter, whichever    |
|          |                | or spring to seedling         | comes first BBOCLEA       |
|          |                | alfalia when the majority     | will not adequately cont  |
|          |                | of the field has a            | over-wintered penny       |
|          |                | minimum of 2 trifoliates      | cress benbit and          |
|          |                | Unaccentable crop             | mustards                  |
|          |                | injury may occur to           | indotaicis.               |
|          |                | altalta coodlinge loss        |                           |
|          |                | then the 2 trifeliote         | 1                         |
|          |                |                               |                           |
|          |                | Stage. BHOCLEAN               |                           |
|          | -{             | applications made when        |                           |
|          |                | temperatures are              |                           |
|          |                | expected to exceed            |                           |
|          |                | 80°F at and 3 days            |                           |
|          |                | following application can     |                           |
|          | 1              | result in unacceptable        |                           |
|          |                | crop injury. In the           |                           |
| •        |                | remaining states              |                           |
| •        |                | apply in the fall or spring   |                           |
|          |                | to seedling alfalfa when      | }                         |
|          |                | the majority of the field     |                           |
|          |                | has a minimum of 4            |                           |
|          |                | trifoliate leaves When        | )                         |
|          |                | alfalfa stand is uneven       |                           |
|          |                | and appditions favor          | 1                         |
|          |                |                               | ]                         |
|          |                | learburn, unacceptable        |                           |
|          |                | to all the in the Ostellation |                           |
|          |                | to analia in the 2 thouate    | ]                         |
|          |                | or smaller stage of           |                           |
|          |                | growth. If you are un-        |                           |
|          |                | sure of growth stage          | 1                         |
|          |                | conditions, contact           |                           |
|          |                | your local extension          |                           |
|          |                | service. BROCLEAN             | ]                         |
|          |                | applications made when        |                           |
|          |                | temperatures are expec-       |                           |
|          |                | ted to exceed 70°F at         | •                         |
| :        | 1-11/2 pints/A | and 3 days following          |                           |
|          |                | application can result in     |                           |
|          | ]              | unacceptable crop injurv.     | ļ                         |
|          |                | Follow all other use          |                           |
|          | 1              | directions listed on the      |                           |
|          | 1              | BROCLEAN label.               |                           |
| BROCLEAN | Chemidation    | Apply to seedling             | Apply to MOST SUSCE       |
|          | Only           | alfalfa with a minimum        | TIBLE broadleaf weeds     |
|          | <b></b>        | of 2 trifoliate leaves        | un to the 8 lost stars A  |
|          | 2 pinte/A      | Apply through auto            | inches in height or 2     |
|          | L Pintor       | mated sprinklar inica         | inches in dismotor        |
|          |                | thated spiniker inga-         | inches in diameter,       |
|          |                | non systems with a            | Apply to OLICOTTES TIPST. |
|          |                | mechanical transfer           | Apply to SUSCEPTIBLE      |
|          | 1 .            | loading system only.          | proacteat weeds up to t   |
|          |                | See MIXING LOADING            | 4 leat stage, 2 inches in |
|          |                | AND HANDLING                  | height or 1 inch in diam  |
|          | 1              | INSTRUCTIONS Sec-             | eter, whichever comes     |
|          |                | tion for complete details.    | first.                    |
|          |                | BROCLEAN applica-             |                           |
|          |                | tions made when               |                           |
|          | í              | temperatures are              | 1                         |
|          |                | expected to exceed            | ·                         |
|          |                | 85°F at and 3 days            |                           |
|          | 1              | following application         |                           |
|          | Į              | can result in unaccen-        |                           |
|          |                | table cron injuny             |                           |
|          |                |                               |                           |

| EPA REC. NO. 34704-991           Reput Certain Munk And Specific ComMan's many many many many many many many many  |                      | · E                                   | BROCLEAN®  | ,                                     | PRODUCT  | RATE  | CROP   | WEEDS   |
|--|----------------------|---------------------------------------|--|---------------------------------------|--|---|--|---|
| Application and a proper percent of the second  |                      | EPA F                                 | EG. NO. 34704-8  | 91                                    | BROCLEAN   | 1/2-3/4 pint/A  | In all states except   | BROCLEAN at 1/2 pint/A  |
| APPLIGATION TIMENA AND SPECIFIC COMMINTS     APPLICATION TIMENA AND SPECIFIC COMMINTS     The second s  |                      |                                       |  |                                       | +  | +   | California, Washington,  | tank mixed with Pursuit   |
| BOILDE MI<br>Fund MA         Particip In the start<br>Apply in the start and the week low<br>mapping of the start in the provide<br>start in the start in the provide<br>mapping of the start in the provide<br>mapping of the start in the provide<br>mapping of the start in the provide<br>start in the start in the provide<br>mapping of the start<br>in the provide mapping of the<br>start in the provide<br>mapping of the start<br>in the provide<br>mapping of the<br>start in th   | Α                    | PPLICATION T                          | MING AND SPECIFIC C  | OMMENTS                               | Pursuit  | 3-6 oz./A   | Oregon, Idaho, Mon-  | will control common lamb  |
| HOCLEAN         period         Apply in the fail of<br>samply dire failed<br>has a minipulation of the failed<br>has minipulation of tha minit<br>has a minipulatin minit  | PRODUCT              | RATE                                  | CROP   | WEEDS                                 | +  | +   | tana, Wyoming,   | squarters up to 2 inches  |
| <ul> <li>The set of proceeding and the stress of the set of program (in the set of prog</li></ul>   | BROCLEAN             | 1 pint/A                              | Apply in the fall or   | This tank mix improves                | non-ionic surfactant   | 1 qt/100 gals.  | Colorado, Utah,  | in height plus weeds list-  |
| UTFRAC®200  I quark   quark I quark I quark I quark  I quark  I q  | ۲<br>۲               | +                                     | spring to seedling   | control of pigweed (sp),              |  |   | Nevada, Arizona, New   | ed on the Pursuit label.  |
| 2.4-09)       mapping of the ladid<br>that is minuted by the process the A ladid that is minuted by the process the A ladid that is minuted by the process the A ladid that is minuted by the A ladid that the process the A ladid that at the A ladid that ladid that the A ladid that the A ladid that   | SUTYRAC® 2009        | 1 quart/A                             | alfalfa when the   | kochia, and tansy mus-                | 1  |   | Mexico, and the wes-   | BROCLEAN at 34 pint/A +   |
| How is minimum of 4<br>bible is any minimum of 4<br>bible or any may come<br>and conditions two<br>feed or minimum of 4<br>bible or any may come<br>and conditions two<br>feed or minimum of 4<br>bible or any may come<br>bible  | 2,4-DB)              |                                       | majority of the field  | tard. Apply when weeds                |  |   | tern halves of North   | Pursuit will control the  |
| <ul> <li>Holdste lawes. When stage and Karsse in Australia stand in Condest weeks in Australia stand in Condest weeks in Australia stand in Condest weeks in the Australia Stand in Condest weeks in Condest weeks in Condest weeks in Condest weeks in Condest Australia Stand in Condest weeks in Condest Australia Stand in Condest weeks in Condest Australia Stand in Condest Austre</li></ul>   |                      | Í                                     | has a minimum of 4   | do not exceed the 4 leaf              |  |   | Dakota, South Dakota,  | MOST SUSCEPTIBLE  |
| BROCEAN         No. 1 Pich 16 demotes         Apry, in the tail or<br>decipe Flugry may yocan<br>biological provide the fold<br>or ope Flugry may yocan<br>biological prophiological<br>or ope Flugry ma   |                      | ļ                                     | trifoliate leaves. When  | stage, 2 inches in height             |  |   | Nebraska and Kansas:   | annual broadleaf weeds  |
| IPCOLEAR         41 and conditions bord         Storing to seeding.         when weeks do not<br>a user with not explore<br>to patient in the 2 at<br>the word not a data steps.         IPCOLEAR   |                      |                                       | alfalfa stand is uneven  | or 1 inch in diameter,                |  |   | Apply in the fall or   | (See General Weed List)   |
| IFICOLEAN         BROCLEAN         athe twon the<br>company count<br>by provide<br>by provide<br>by provide<br>provide<br>provide<br>by provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>provide<br>pr   |                      |                                       | and conditions favor   | whichever comes first.                |  |   | spring to seedling   | when weeds do not   |
| <ul> <li>BUTYRAC 200 km rmc - company may occurs in a datagraphy of the field in the 2 minutes of a datagraphy</li></ul>   |                      | {                                     | leaf burn, unacceptable  | BROCLEAN +                            | 1  |   | alfalfa when the   | exceed the 4 leaf stage, 2  |
| In outsets in the 2 -trip         Lues will not detection         In damage in the 2 -trip         In dama  |                      | 1                                     | crop injury may occur  | BUTYRAC 200 tank mix-                 |  |   | majority of the field  | inches in height or 1 inch  |
| <ul> <li>India or answermed<br/>of growth is para<br/>conditions, corrate<br/>your local relations<br/>of parate<br/>your local<br/>your local<br/>yo</li></ul>   |                      |                                       | to alfalfa in the 2 tri-   | tures will not adequately             |  |   | has a minimum of 2   | in diameter, whichever  |
| <ul> <li>In provinces, provin</li></ul>   |                      |                                       | foliate or smaller stage   | control over-wintered                 |  | 1   | trifoliate leaves.   | comes first plus weeds  |
| <ul> <li>Index of growth align (mutateds)</li> <li>Condition, contract<br/>merices, in the states<br/>of Californi, Wash-<br/>ingres, Origon, Lino,<br/>Montani, Wash-<br/>ingres, Such<br/>diverse the states<br/>of North Dakes, Such<br/>diverse the states<br/>diverse the</li></ul>   |                      | 1                                     | of growth. If you are  | pennycress, henbit and                |  |   | When alfalfa stand is  | listed on the Pursuit label.  |
| <ul> <li>Conditions, contact<br/>year locations, contact<br/>year locations, contact<br/>year locations, contact<br/>year locations, which<br/>is gro. Copy, lab.<br/>Montart, Wyoring,<br/>Copy, lab.<br/>Montart, Wyoring,<br/>Copy, lab.<br/>Montart, Wyoring,<br/>Copy, lab.<br/>Montart, Wyoring,<br/>Copy, lab.<br/>Notaks, Sudu<br/>and he weets in history<br/>of Notaks, Sudu<br/>Datas, Notaks and<br/>Notaks, Notaks<br/>BROCLEAN<br/>applications are sulf in<br/>unacoppation of the secret<br/>BROCLEAN<br/>application are sulf in<br/>unacoppation of the secret<br/>BROCLEAN<br/>applications are sulf in<br/>unacoppation of the secret<br/>BROCLEAN<br/>application are sulf in<br/>unacoppation of the secret<br/>BROCLEAN applica-<br/>tion make when thempo-<br/>metative serve expected<br/>in the secret<br/>secret and and the secret<br/>secret and application. Write Num, funct conditions<br/>and the softward growth<br/>secret and secret<br/>and the secret secret<br/>in the secret secret<br/>in the secret secret secret<br/>in the secret secret<br/>in the secret secret secret secret<br/>in the secret /li></ul>   |                      |                                       | unsure of growth stage   | mustards.                             | •  |   | uneven and conditions  | Applications should be  |
| <ul> <li>your local extension, service, in your local extension, service, in your local extension, service, in your local extension, when we have a grant /li></ul>  |                      |                                       | conditions, contact  | · · · · · · · · · · · · · · · · · · · |  |   | favor leafburn, unac-  | made when the majority  |
| <ul> <li>Berrola, In the sites         <ul> <li>Classify, Watch<br/>Mortana, Wyomng,<br/>Calends, Usa, Newa,<br/>Acronx, New Mexico,<br/>and the watern house<br/>Acronx, New Mexico,<br/>and new where tempo-<br/>and new waternem mouthin             unaccoprube corp new new or new site new of new site new of new site new or new new new new new new new new new</li></ul></li></ul>  |                      |                                       | your local extension   |                                       |  |   | ceptable crop injury   | of the weeds are 1-3 inch   |
| <ul> <li>Interstep of Caliborna, Name, hypothypothypothypothypothypothypothypot</li></ul>  |                      |                                       | service. In the states   | Į                                     |  |   | may occur to alfalfa   | es tail and when commor   |
| <ul> <li>Ingon, Chegon, Jahon, Moornag, Johnson, Hann, Moornag, Johnson, Hann, Moornag, Johnson, Hann, Mexico, and the weeken haves of North Chakes, South Diackas, Subh Diackas, Su</li></ul>   |                      |                                       | of California, Wash-   | 1                                     |  |   | treated prior to the   | lambsquarters do not  |
| <ul> <li>Montan, Wyoning,<br/>Coorao, Uau, Nevac,<br/>and the vectom haves<br/>of Nern Datos, South<br/>Datos, Nebaska and<br/>Kanasa, RPGCLEAN<br/>applications made<br/>encoded and the vectom haves<br/>of Nern Datos, South<br/>Datos, Nebaska and<br/>Sore Tata 3 days<br/>BIO/TRANE<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BIO/CLEAN<br/>BI</li></ul> |                      | 1                                     | ington, Oregon, Idaho,   |                                       |  |   | 2nd trifoliate stage of  | exceed 4 inches in height   |
| <ul> <li>Contab. Use, Needed, Need</li></ul>   |                      |                                       | Montana, Wyoming,  |                                       |  |   | growth. If you are un-   | For low growing weeds   |
| <ul> <li>Arrora, New Mexco,<br/>and the values have be<br/>warded a hitches in day<br/>bound of the coefficient of the coefficient<br/>of the coefficient of the coefficient<br/>of the coefficient of the coefficient<br/>of the coefficient of the coefficient of the coefficient<br/>of the coefficient of the coefficient of the coefficient<br/>of the coefficient of the coefficient of the coefficient of the coefficient<br/>of the coefficient of t</li></ul>   |                      | }                                     | Colorado, Utah, Nevada,  | 1                                     |  | ) .   | sure of growth stage   | (such as mustards) apply  |
| <ul> <li>and the wetter maxes</li> /ul>  |                      | · ·                                   | Arizona, New Mexico,   |                                       |  |   | conditions, contact  | petore the rosette  |
| IPCCLEAN         K-1 pit/A           K-1 pit/A         K-1 pit/A   |                      |                                       | and the western halves   | · ·                                   |  |   | your local extension   | exceeds 3 inches in diam  |
| <ul> <li>Lakes, veitrase and kapications made splice for a first of subsort applications made whet remaining states are specified in exceed the exceed</li></ul>   |                      |                                       | or North Dakota, South   |                                       |  |   | service. BROCLEAN  | eter. Heter to the Pursuit  |
| Particles       Particles       made weeds of cach of the summer defaults in the material summer defaults in the summer defaults.       meaning and summer defaults in the summer defaults in the summer defaults.         Proceeding       BOP Fail and 3 days       mean summer defaults in the summer defaults in the summer defaults in the summer defaults.       mean summer defaults in the summer   |                      | 1                                     | Uakota, Nebraska and   | 1                                     |  |   | + Pursuit applications   | label for a list of suscepti-   |
| applications made<br>when imprequise and<br>got P is and 3 days<br>(SP is and 1 days)<br>(SP is and 1 is and   |                      | 1                                     | Kansas, BROCLEAN   | 1                                     |  | [   | made when temper-  | ule weeds at each of the  |
| writen emperatures are<br>subjected to avaided<br>BOTF RI and 3 days<br>BOTF RI and 3 days<br>biom result in unacception<br>table corp highly in the<br>emperatures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing app-<br>timum control.         HESTRICTIONS AND PRECAUTIONS: Allar (SeedIng)           - Do to act and for deal or and for acceed 0.5 bio all conceptions.         - Do to acceed 70°F at and<br>3 days biowing app-<br>eratures are exceeded<br>to acceed 70°F at and<br>3 days biowing applica-<br>tion can exceed bio acceed and allas within 30 days biowing transmitter.           - REOCLEAN<br>- To days filter on the acceed 10°F and<br>- To days filter on the acceed 10°F and<br>- To days discover on application.         - Do to day when weed allas and 0 days<br>- Do to at day when weed allas and 0 days<br>- Do to at day when weed allas<br>- To days discover on application.           - REOCLEAN<br>- To days discover on application weed allas<br>- To days discover on application.         - Do to at day when weed allas<br>- Do to at day when weed allas<br>- Do to  |                      | 1                                     | applications made  | l                                     |  |   | atures are expected  | recommended rates.  |
| BCCLEAN         Non-Discussion         Applications can made<br>in unacceptable cop<br>inus;         In an conceptable cop<br>inus;           BCCLEAN         BCCLEAN applicator,<br>ino made when temp-<br>eratures are expected<br>to exceed 70° F at and<br>3 days following app-<br>ication can neau in<br>unique practice in the states of Call<br>to exceed 70° F at and<br>3 days following app-<br>ication can neau in<br>unique practice in the states of Call<br>to exceed 70° F at and<br>3 days following app-<br>ication can cause unac-<br>ceptable cop intury. <ul> <li>PESTRICTIONS AND PRECUNDUSS: Atfairs (Seedling)</li> <li>Person Precunduss: formage may decrease control<br/>to exceed 70° F at and<br/>3 days following app-<br/>ication can cause unac-<br/>ceptable cop intury.</li> </ul> IFROCLEAN         N - 1 pir/A<br>+ unsult         This tank mix will control<br>to make when temp-<br>ication can cause unac-<br>ceptable cop intury.         This tank mix will control<br>to not at the feed or graze stal or writer treated atfallar within gray if discored to<br>application or RPACLEAN may not exceed 0.5 b at bromscapellA (2 pin<br>to motion streatment.           IFROCLEAN the the states of Call<br>to not at the states of Call<br>to make when about the conceptions on the tark mixture product label when a<br>stream tark woming. Now Medica<br>and the wester interview the states of Call<br>to read the west isted on the<br>stream tark woming application or motion. <ul> <li>The use of Estam<sup>11</sup> protem-generative and the inture product label when a<br/>stream tark woming. Now Medica<br/>and the wester in height of 1<br/>and mixture is used.<br/>And the wester in height of 1<br/>and mixture is used.<br/>And the wester in height of 1<br/>and mixture is used.</li> <li>The tark mixture is used.</li> <li>The tark of the dust agra<br/>anoreal at a strained or overe</li></ul>   |                      |                                       | when temperatures are  |                                       |  |   | to exceed /0" F at   |   |
| BCLEAN       4-1 pin/A       Implementation of a set   |                      |                                       | expected to exceed   |                                       |  |   | and 3 days following   |   |
| biolowing splication<br>can result in unacceptable crop<br>itemating status<br>BPCCLEAN applica-<br>tion made when remp-<br>eratures are opported<br>to exceed TOP at and<br>3 d sys following app-<br>lication can result in<br>unacceptable crop<br>injury. Raifall or ower<br>injury. Raifall or ower  |                      | 1                                     | BOFF at and 3 days   | 1                                     |  | 1   | applications can result  |   |
| <ul> <li>Conside when the Unacceptible crop Furty. In the BRFOCLEAN application of Pure State of Pure State (Seconding)</li> <li>Crop tells for some synchronic surfactant</li> <li>Crop tells for some synch synchronic su</li></ul>   |                      |                                       | tollowing application  |                                       |  |   | in unacceptable crop.  |   |
| <ul> <li>Itable don july, in the intring satis BPOCLEAN splication is surfaced and splication can easil in cacced 70°F st and 3 days following application may enhance last burn. New corp growth will not be affected. Alfallar july as splication is surfaced and splication can easil in unacceptable crop injury. Rainfall or over the affected of the assess as the assess of the splication can easil in unacceptable crop injury. Rainfall or over the affected of graze spiring theat affect and the system has been affected affect within 30 days following assesses assessed by ther pecificate carryover or application. Non a train the states of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Calibac to a week removal.</li> <li>In the state of Cal</li></ul>   |                      |                                       | can result in unaccep-   |                                       |  |   | injury.  |   |
| <ul> <li>In the state of Call.</li> <li>In made when temperatures of 07% provided to a weekly the second provided to a weekly the second provided to a weekly the second provided to a weekly the two exponential of the second provided to a weekly the two exponential of the second provided to a weekly the two exponential of the two expon</li></ul>   |                      |                                       | table crop injury. In the  |                                       | DESTRICTIONS   |   | TIONS: Alfalfa (Soodlin  |   |
| <ul> <li>BHOLLEAN applica-<br/>tion made when targe expected<br/>a days following app-<br/>tratiures are expected<br/>to days following app-<br/>lication can result in<br/>unacceptable or opinum.</li> <li>BUTYRACS applica-<br/>tion can cause unac-<br/>ceptable crop intry.</li> <li>For the day of and the days following applica-<br/>tion can cause unac-<br/>ceptable crop intry.</li> <li>FOCLEAN * 1 pint/A</li> <li>A time tests of Cali-<br/>tion can cause unac-<br/>ceptable crop intry.</li> <li>FOCLEAN * 4. Time tests of Cali-<br/>tion can cause unac-<br/>ceptable crop intry.</li> <li>FOCLEAN * 4. Time tests of Cali-<br/>tion can cause unac-<br/>ceptable crop intry.</li> <li>FOCLEAN * 1 pint/A</li> <li>A time tests of Cali-<br/>tion can cause unac-<br/>ceptable crop intry.</li> <li>FOCLEAN * 1 pint/A</li> <li>A time tests of Cali-<br/>tion can trans. Working calibility to the<br/>cards. Unat, Nexues,<br/>on-ionic suifactant</li> <li>Cards the hight of 1<br/>cards. Unat, Nexues,<br/>on-ionic suifactant</li> <li>Cards the hig</li></ul>   |                      | 1                                     | remaining states   | Į                                     | Crop leaf burn cr  | an occur followi  | ng BBOCI FAN applicat  | ion Warm burnid condition   |
| <ul> <li>In the main many decrease compared to a weedy due to weed removal.</li> <li>In the states of the second 70°F at and 3 days hole registed on the second row main many decreases compared to a weedy due to weed removal.</li> <li>In on cap caps unacceptable crop injury. Raintal or over head irrigation within 7-10 days following a burners and the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the states of the second 70°F at and 3 days following treatment.</li> <li>In the and conditions days and the second 10°F at and 20°F at and 3 days following treatment.</li> <li>In the and conditions days and the mater height of 1 in dameter, whichever the ing aliab when the particular and conditions days following the particular at the second 70°F at and 3 days following the particular at the second 70°F at and 3 days following the particular at and 3 days following the particular at the second 70°F at and 3 days following application mater at and 3 days following application can result in unacceptable crop injur at a</li></ul>   |                      |                                       | BHOCLEAN applica-  |                                       | may enhance lea  | af hurn New c   | ron arowth will not be affi  | ected Alfalfa vield should n  |
| <ul> <li>brailing and expected to seed 70°F at and 3 days following application can result in unacceptable crop injury. Thirtial concert ingent of the last seed to the end of the end</li></ul>  |                      | 1                                     | tion made when temp-   |                                       | be reduced altho   | ugh total biom  | ass tonnage may decrea   | se compared to a weedy fi   |
| <ul> <li>b) BCCLEAN</li> <li>b) BCCLEAN</li> <li>b) BCCLEAN</li> <li>cation car result in unacceptable cop injury. Baintait or over head irrigators within 7,10 days following application can cause unacceptable cop injury. Baintait or over head irrigators within 7,10 days following application can cause unacceptable cop injury. Baintait or over head irrigators within 7,10 days following treatment.</li> <li>BCCLEAN</li> <li>c) and a suffaction control.</li> <li>Do not a control feed or graze fail to wither treated allalia units pring, at least 50 day following treatment.</li> <li>Do not control feed or graze fail to wither treated allalia units pring, at least 50 day following treatment.</li> <li>Do not control feed or graze fail control feed fail control fail control</li></ul>  |                      | 1                                     | eratures are expected  |                                       | due to weed rem  | noval.  | abb torniago may abbrea  |   |
| <ul> <li>Sudys initiation can result in unacceptable cop injury. Pairfalls and is unacceptable cop injury. Pairfalls and is unacceptable cop injury.</li> <li>FOOLEAN</li> <li>A - 1 pir/A</li> <li>A - 1 pir/A</li> <li>For a data explicit on the consistence of call-<br/>bio noi a cuse unacceptable cop injury.</li> <li>FROCLEAN</li> <li>A - 1 pir/A</li> <li>A - 1 pir/A</li> <li>This tank mix will control<br/>broadball cop injury.</li> <li>FROCLEAN</li> <li>A - 1 pir/A</li> <li>Frank mix will control<br/>broadball cop injury.</li> <li>France and should be consistence of call-<br/>bio noi and consistence of call-<br/>bio noi and consistence of call-<br/>bio control.</li> <li>France and should be consistence of pairs and procautions on the tark mixture product label when a<br/>social weeds (See<br/>and the western haives a<br/>narionium of 2 inches in height or 1<br/>on known label. weeds is hould be 1-3 inches tall<br/>a minimum of 1 be data stage.</li> <li>France Lean and the constituence of the constituence of the add strategy.</li> <li>France Lean and the constituence of the add strategy.</li> <li>France Lean and the constituence of the add strategy.</li> <li>France Lean and the constituence of the add strategy.</li> <li>France Lean and the constituence of the add strategy.</li> <li>France Lean and the matery wind corun<br/>main min or 1</li> <li>France Lean and the matery and t</li></ul>   |                      |                                       | 10 exceed /0"F at ano  | 1                                     | Do not apply wh  | en alfalfa is und   | ler moisture, temperatur   | e, insect or disease stress o   |
| <ul> <li>Industry Later Test and Te</li></ul>   |                      |                                       | Suays lollowing app-   |                                       | has been stress  | ed by other pes   | ticide carryover or applic   | ation.  |
| <ul> <li>BrocLEAN</li> <li>A 1 pint/A</li> <li>BUTYRAC<sup>D</sup> application of the state of Call<br/>tomic an cause unacceptable crop intury.</li> <li>BOCLEAN</li> <li>A 1 pint/A</li> <li>ButTYRAC<sup>D</sup> application of SPCCLEAN may not exceed 0.5 bit al bromoxytil/A (2 pin<br/>tomic surfactant</li> <li>Bott TYRAC<sup>D</sup> application of SPCCLEAN may not exceed 0.5 bit al bromoxytil/A (2 pin<br/>tomic surfactant</li> <li>Bott TYRAC<sup>D</sup> application of SPCCLEAN may not exceed 0.5 bit al bromoxytil/A (2 pin<br/>tomic surfactant</li> <li>Bott TYRAC<sup>D</sup> application of SPCCLEAN may not exceed 0.5 bit al bromoxytil/A (2 pin<br/>tomic surfactant</li> <li>Bott TYRAC<sup>D</sup> application of SPCCLEAN may not exceed 0.5 bit al bromoxytil/A (2 pin<br/>tomic surfactant</li> <li>Bott TYRAC<sup>D</sup> application of SPCCLEAN and should be considered prior to using SPCCLEAN in<br/>tank Wigoning, Col-<br/>tomic surfactant</li> <li>I gr/100 gals</li> <li>Grean all states the substant of<br/>tank mixture in table of the states of<br/>tank mixture with 2.2 bit may result in unacceptable crop leaf burn especially un-<br/>variant, humid weeds listed on the<br/>pursuit table. Weeds<br/>istor or lafbat when the<br/>majority of the fash as had be 1-3 inches table<br/>to optimum control.</li> <li>BROCLEAN and PLOCLEAN and PLOC COMMENTS</li> <li>FLAX (Linium usitatissium onty)</li> <li>BROCLEAN and PLOCLEAN and PLOC COMMENTS</li> <li>FLAX (Linium usitatissium onty)</li> <li>BROCLEAN and PLOCLEAN and PLOC COMMENTS</li> <li>FLAX (Linium usitatissium onty)</li> <li>BROCLEAN and PLOCLEAN and PLOC</li></ul>  |                      |                                       |  |                                       | <ul> <li>Do not add a sur</li> </ul>   | rfactant or crop  | oil unless specified in th   | e use directions because  |
| <ul> <li>Do not cut for feed or graze spring treated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze spring treated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze all or wither threated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze all or wither threated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze all or wither threated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze all or wither threated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze spring treated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze spring treated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze spring treated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze spring treated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze spring treated alfalla within 30 days following treatment.</li> <li>Do not cut for feed or graze spring treated alfalla within 30 days following the alter the spring to sead thread.</li> <li>This tank mix will control.</li> <li>This tank mix will contro</li></ul>   |                      |                                       | inium Painfall or over   |                                       | increased alfalfa  | injury will occu  | r  |   |
| <ul> <li>Do not cut for tead or graze fail or within truttet de alfalla unit spring, at least 60 day to graze fail or within truttet de alfalla unit spring, at least 60 day to graze fail or within truttet de alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or wither treated alfalla unit spring, at least 60 day to graze fail or within treated alfalla unit spring, at least 60 day to graze fail or within the spring fail the match or using SROCLEAN there is using SROCLEAN there is height or the weeds blace or the spring fail and the weeds file or or the spring fail and the weeds failed or the pring weeds do not the weeds blace or the weeds blace or the spring fail the weeds spring faile wheen the spring faile wheen faile st</li></ul>   |                      |                                       | head irrigation within   |                                       | <ul> <li>Do not cut for fee</li> </ul>   | d or graze sprin  | g treated alfalfa within 30  | days following treament.  |
| <ul> <li>b) 10 and b) /li></ul>  |                      | ļ                                     | 7.10 days following a  | 1                                     | <ul> <li>Do not cut for fee</li> </ul>   | ed or graze fall  | or winter treated alfalfa u  | intil spring, at least 60 days  |
| <ul> <li>The trail current uppendix operation of BROCLEAN may not exceed 0.5 bit al formacy/m1/2 (2 pint), approximate and the vest of Calibratic control with the train washington, the washington, the train washington, the washington, the washington, the washington, the train washington, the washington within the washington, the washington the washington, the washington, the washington, the washin</li></ul>   |                      |                                       | BUTVBAC® applica.  |                                       | following treatme  | ent.  |  |   |
| <ul> <li>BrocceanAl, Standard Standard, Standard Standard, Standard Standard, Standard Standard, Standard Standard, Standard Standard, Standar</li></ul>   |                      |                                       | tion can cause unac-   |                                       | <ul> <li>The total cumulat</li> </ul>  | ive rate of BRO   | CLEAN may not exceed 0   | 1.5 lb ai bromoxynil/A (2 pints)  |
| 3ROCLEAN       34 - 1 pint/A       in the status of Cali-<br>toria, Washington,<br>+ 36 ouncesy,<br>+ 1 qt/100 gals       This tark mix will control<br>bornadilaat weeds (See<br>General Weed List)<br>on-ionic surfactart       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo of cali-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo<br>-<br>toria, Washington,<br>+ 1 qt/100 gals       - 1 hou seo<br>-<br>-<br>toria, washington,<br>+ 1 qt/100 gals       - 1 hou seo<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-       - 1 hou seo<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-  |                      |                                       | centable crop injury   |                                       | Broclean/A).   |   |  |   |
| <ul> <li>Arbona in a water of the week is the second of the second is the week is the second of the second is the second of the second is the second of the second is the second i</li></ul>   | BROCLEAN             | 3/4 - 1 nint/A                        | In the states of Cali-   | This tank mix will control            | <ul> <li>The use of Eptal</li> </ul>   | m <sup>,</sup> preemerge  | nce may ennance crop i   | ear burn from postemergen   |
| 2ursuit!       3-6 ounces/A       Oregon, Idaho, Mon-<br>tana, Wyoming, Col-<br>orado, Utah, Nevada,<br>Arizona, New Mexico,<br>aracture stem halves       broadleat weeds (See<br>General Weed List)       BROCLEAN tank miture is used.         1 qt/100 gals       and the weet halves       See pacified to sceed the 4 leaf stage,<br>and the weet halves       See pacified to sceed the 4 leaf stage,<br>and the weet halves       See pacified to sceed the 4 leaf stage,<br>and the weet halves       See pacified to sceed ling attait at has been underseeded<br>wer comes first; and<br>other grass and broad-<br>leaf weeds listed on the<br>an initium of 2<br>trifoliate leaves.       See pacified to sceed ling attait at has been underseeded<br>other grass and broad-<br>leaf weeds listed on the<br>an initium of 2<br>trifoliate leaves.       See pacified to sceed ling attaits that has been underseeded<br>other grass and broad-<br>leaf weeds listed on the<br>an initium of 2<br>trifoliate leaves.         When atfatts stand is<br>uneven and conditions,<br>tavor leafbur, unaccep-<br>labe crop injury may<br>occur to atfatia tratated<br>prior to the 2nd trifoliate<br>stage of growth.<br>stage conditions,<br>contact your lead<br>& extensions made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>car acuse unaccep-<br>table crop injury.       New See See See<br>See See See See<br>See See See  |                      |                                       | fornia Washington  | MOST SUSCEPTIBLE                      | application of BF  | HOULEAN and   | should be considered pr  | IOF IO USING BHOULEAN.  |
| <ul> <li>and Wyoming, Colliana, Nevada, Carlo, Utah, Nevada, Arizona, Nev Mexico, and the western haves a caced the 4 last stage, and the western haves and conditions.</li> <li>Brick LEAN talk in this 24-DB may result in unacceptable crop injury.</li> <li>BROCLEAN at INT 1/10 days following BUTYRAC00 200 applications under the BARLEY, OATS, RYE, TRITICALE, WHEAT SECTION.</li> <li>Briantali or overhead irrigation within 7-10 days following BUTYRAC00 200 applications and broad-leaf weeds listed on the program and conditions.</li> <li>BROCLEAN at INTURE RECOMMENDATIONS</li> <li>Apply to flax that is 2</li> <li>BROCLEAN at Chrisman and conditions service.</li> <li>BROCLEAN at Chrisman and conditions are unsure of growth. if you are unsure of growth as a expected to exceed the days following application mater with and stage.</li> <li>BROCLEAN A PLACATION TIMING AND SPECIFIC COMMENDATIONS are exceed the 4 test stage of a rows in height or 1 in dameter, whichever comes first.</li> <li>BROCLEAN 1 pin/vA Apply to flax that is 2</li> <li>BROCLEAN 1 pin/vA Apply to flax that is 2</li> <li>BROCLEAN 1 pin/vA Apply to flax that is 2.</li> <li>BROCLEAN 1 pin/vA Apply to flax that is 2.</li> <li>BROCLEAN 1 pin/vA Apply to flax that is 2.</li> <li>BROCLEAN 1 pin/vA Apply to flax that is 2.</li> <li>BROCLEAN 1 pin/vA Apply to flax that is 2.</li> <li>BROCLEAN 1 pin/vA Apply to flax that is 2.</li> <li>BROCLEAN 1 pin/vA</li></ul>   | -<br>Purquit1        | 3-6 ounces/A                          | Oregon Idaho Mon-  | broadleaf weeds (See                  | Follow all restrict  | tions and preca   | utions on the tank mixtu   | re product label when a   |
| <ul> <li>inch ich wird werde do not expectally um werde do not exceed the 4 leaf stage, and the weatern haves, and the weater stand other press and broad-leaf weat static or restrictions under the BARLEY, QATS, RYE, TRITICALE, WHEAT SECTION.</li> <li>BROCLEAN alone can be applied to seeding alfalfa that has been underseeded into barley, oats, rye, triticale, wheat hat include what Jamely, oats, rye and tritical weat haves and the weat man include what Jamely, oats, rye and tritical weat haves and the aleaf stage, and the weats its do other press and broad-leaf weats is should be 1-3 inches tall a minimum of 2 trifoliate leaves. When alfalfa stand is uneven and conditions tavo reating injury may occur to allalta treated piror to the 2nd tribiate stage of growth if you are unsure of growth stage conditions, contact your local extension service. BROCLEAN + Pursuit able crop injury, we weat at all of a funches in height.</li> <li>BROCLEAN + pursuit agaplication service are expected to exceed allow ends precisions and exceed to be sceed in a dark during or after the bud stage. BROCLEAN + pursuit agaplication mediations made when temperatures are expected to exceed allow for a lange the dud stage broadel weeds plus for a tand 3 days following application in unacceptable crop injury.</li> </ul>  | L                    | +                                     | tana Wyoming Col-  | General Weed List)                    | Took mixturo wit   | h 2 4-DB may  | osult in upaccentable or   | n leaf burn especially und  |
| <ul> <li>Arizona, New Mexico, and the western halves of North Dakota, Scuth Pakota, Scuth Pakota</li></ul>   | non-ionic surfactant | 1 gt/100 gals.                        | orado, Utah, Nevada,   | when weeds do not                     | warm humid we  | ather condition   | s  | op ical barn copecially and   |
| and the western halves<br>of North Dakota, South<br>Dakota, Nebraska and<br>Kansas: Apply in the<br>fall or spring to seed-<br>leaf weeds listed on the<br>Pursuit label. Weeds<br>should be 1-3 inches tall<br>or optimum control.<br>Trifoliate leaves.<br>When alfalfa stand is<br>uneven and conditions<br>tavor leafburn, unaccep-<br>table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are exsected to exceed<br>table crop injury.   |                      |                                       | Arizona, New Mexico,   | exceed the 4 leaf stage.              | BBOCI FAN alo  | ne can be ano   | ied to seedling alfalfa tha  | t has been underseeded  |
| of North Dakota, South<br>Dakota, Nebraska and<br>Kanasa: Apply in the<br>fall or spring to seed-<br>fall weeds listed on the<br>Pursuit label. Weeds<br>should be 1-3 inches tail<br>or optimum control.       See application restrictions under the BARLEY, OATS, RYE, TRITICALE, WHEAT<br>SECTON.         • Rainfall or overhead irrigation within 7-10 days following BUTYRAC02 200 applicat<br>can cause unacceptable crop injury.       Rainfall or overhead irrigation within 7-10 days following BUTYRAC02 200 applicat<br>can cause unacceptable crop injury.         • Wein alfalta stand is<br>uneven and conditions<br>tavor leafbur, unaccep-<br>table crop injury may<br>occur to the 2nd trifolate<br>stage of growth. Hy ou<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>following application<br>can result in unaccep-<br>table crop injury.       Not fall fall treated<br>prior to the 2nd trifolate<br>stage of growth.<br>If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>following application<br>can result in unaccep-<br>table crop injury.       In the in diameter, which<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>following application<br>can result in unaccep-<br>table crop injury.       In the in diameter, which<br>extension service.<br>BROCLEAN + + + + + + + + + + + + + + + + + + +   |                      |                                       | and the western halves   | 2 inches in height or 1               | into barley, oats.   | rve. triticale. w   | heat that include wheat.   | barley, oats, rye and tritical  |
| Dakota, Nebraska and<br>Kansas: Apply in the<br>fall or spring to seed-<br>ling alfalfa when the<br>majority of the field has<br>a minimum of 2<br>trifoliate leaves.<br>When alfalfa stand is<br>uneven and conditions<br>tavor leafburg corp injury may<br>occur to alfalfa traated<br>prior to the 2nd trifoliate<br>stage of growth.<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>agplications made<br>when temperatures<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>$80^\circ$ F at and 3 days<br>following application<br>following applicationever comes first, and<br>other service.SECTION.<br>• Raintal or overhead inrigation within 7-10 days following BUTYRAC@ 200 applicat<br>can cause unacceptable crop injury.BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.SECTION.<br>• Raintal or overhead inrigation within 7-10 days following BUTYRAC@ 200 applicat<br>can cause unacceptable crop injury.BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following applicationProduct<br>RATE<br>can cause the bud stage<br>or or within 75 days of<br>to flax that is 2<br>to flax harvest.Apply to flax that is 2<br>to flax harvest.This tank mix will control<br>to addet weeds plus<br>to addet weeds glus<br>to addet weeds glus<br>to not apply this tank<br>mix to flax during or<br>after the bud stage, to addet weeds glus<br>to not apply this tank<br>mix to flax during or<br>after the bud stage, to addet weeds glus<br>to addet weeds glus<br>that do not exceed the<br>leaf stage 2 pints/ABROCLEAN + 1<br><td></td> <td></td> <td>of North Dakota, South</td> <td>inch in diameter, which</td> <td>See application</td> <td>restrictions und</td> <td>er the BARLEY, OATS, I</td> <td>YE, TRITICALE, WHEAT</td>  |                      |                                       | of North Dakota, South   | inch in diameter, which               | See application  | restrictions und  | er the BARLEY, OATS, I   | YE, TRITICALE, WHEAT  |
| <ul> <li>Kansas: Apply in the fail or spring to seed-fail set weeds listed on the Pursuit label. Weeds listed on the Pursuit label. Weeds issued to a poly to fail table. Weeds issued to a poly to foot the 2nd trifolate teaves.</li> <li>When alfalfa stand is uneven and conditions tavor leafurm, nacceptable crop injury may occur to alfalfa treated prior to the 2nd trifolate table. Recommendation service.</li> <li>BROCLEAN 1 pint/A</li> <li>Apply to fax that is 2</li> <li>Apply to f</li></ul>   |                      | 1                                     | Dakota, Nebraska and   | ever comes first; and                 | SECTION.   |   |  |   |
| fail or spring to seed-<br>ling allaffa when the<br>majority of the field be 1-3 inches tail<br>a minimum of 2<br>trifoliate leaves.       leaf weeds listed on the<br>Pursuit label. Weeds<br>should be 1-3 inches tail<br>for optimum control.       Can cause unacceptable crop injury.         When allaffa stand is<br>uneven and conditions<br>tavor leafbur, unaccep-<br>table crop injury may<br>occur to allafia treated<br>prior to the 2nd trifoliate<br>stage of growth.<br>If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.       Image: the stage<br>prior to the 2nd trifoliate<br>stage of growth.<br>stage conditions,<br>contact your local<br>extension service.       Image: the stage<br>prior to the 2nd trifoliate<br>stage of growth.<br>stage conditions,<br>contact your local<br>extension service.       Image: the stage<br>prior to the 2nd trifoliate<br>stage of growth.<br>stage conditions,<br>contact your local<br>extension service.       Image: the stage<br>prior to the 2nd trifoliate<br>stage of growth.<br>stage conditions,<br>contact your local<br>extension service.       Image: the stage<br>prior to be 2nd trifoliate<br>stage of growth.<br>stage conditions,<br>contact your local<br>extension service.       Image: the stage<br>prior to be 2nd trifoliate<br>stage of growth.<br>stage conditions,<br>contact your local<br>extension service.       Image: the stage<br>prior to all the stage.       Image: the stage<br>prior to all the stage.       Image: the stage<br>prior to all the stage.         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>table crop injury.       Image: the stage<br>prior the stage.         BROCLEAN + the temperatures<br>table crop injury.       Image: the stage.       Image: the   |                      | · ·                                   | Kansas: Apply in the   | other grass and broad-                | <ul> <li>Rainfall or overh</li> </ul>  | ead irrigation w  | ithin 7-10 days following  | BUTYRAC® 200 application  |
| ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves.       Pursuit label. Weeds should be 1-3 inches tall for optimum control.       FLAX (Linium usitatissium only) BROCLEAN RECOMMENDATIONS         When alfalfa stand is uneven and conditions favor leafbur, unacceptable crop injury may occur to alfalfa treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth stage conditions, contact your local extension service.       PRODUCT       RATE       CROP       WEEDS         BROCLEAN + Pursuit applications made when the mempartures are expected to exceed to   |                      |                                       | fall or spring to seed-  | leaf weeds listed on the              | can cause unac   | ceptable crop in  | njury.   |   |
| majority of the field has a minimum of 2       should be 1-3 inches tall for optimum control.       FLAX (Linium usitatissium only) BROCLEAN RECOMMENDATIONS         When alfalta stand is uneven and conditions tavor leafburn, unacceptable crop injury may occur to alfalta treated prior to the 2nd trifoliate stage of growth stage conditions, contact your local extension service.       I pint/A       Apply to flax that is 2       Apply to MOST SUSCE         BROCLEAN TANK MIXTURE RECOMMENDATIONS are expected to exceed the 4 leaf stage or growth stage of growth and 3 days following application can result in unacceptable table crop injury.       BROCLEAN 1 pint/A       Apply to flax that is 2       Apply to MOST SUSCE         BROCLEAN TANK MIXTURE RECOMMENDATIONS are expected to exceed the 4 leaf stage or or within 75 days of following application can result in unacceptable backed back on the BROCLEAN 1 pint/A       Apply to flax that is 2       This tank mix will control are expected to exceed the 4 leaf stage.         BROCLEAN + Pursuit tapplication result in unacceptable backed back on the coast label. Apply to flax that is 2       This tank mix will control the boast label. Apply to flax that is 2       This tank mix will control the obast label. Apply to flax that is 2       This tank mix will control the obast label. Apply to flax that is 2       This tank mix will control the obast label. Apply to flax that is 2       This tank mix will control the obast label. Apply to flax that is 2       This tank mix will control the obast label. Apply to flax that is 2       This tank mix will control the obast label. Apply to flax that is 2       This   |                      |                                       | ling alfalfa when the  | Pursuit label. Weeds                  |  |   |  | . 5   |
| a minimum of 2<br>trifoliate leaves.       for optimum control.       BROCLEAN RECOMMENDATIONS         When alfalfa stand is<br>uneven and conditions<br>tavor leafturm, unaccep-<br>table crop injury.       More alfalfa stand is<br>uneven and conditions       Apply to flax that is 2<br>to 8 inches in height.       Apply to MOST SUSCE<br>WEEDS         BROCLEAN N RECOMMENDATIONS       Apply to flax that is 2<br>to 8 inches in height or 1 inc<br>in diameter, whichever<br>cornes in the ght br>or after the bud stage.         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       BROCLEAN + +<br>table crop injury.       1 pint/A<br>+ +<br>table crop injury.       Apply to flax that is 2<br>to 3 inches in height.       This tank mix will control<br>to 3 inches in height.  |                      | 1                                     | majority of the field has  | should be 1-3 inches tall             |  | FLAX  | (Linium usitatissium o   | nly)  |
| APPLICATION TIMING AND SPECIFIC COMMENTS         When alfalta stand is<br>uneven and conditions<br>tavor leatium, unaccep-<br>table crop injury may<br>occur to alfalta treated<br>prior to the 2nd tribitate<br>stage of growth.<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       APPLICATION TIMING AND SPECIFIC COMMENTS<br>Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply BRO-<br>CLEAN to flax during<br>or after the bud stage.<br>Do not apply BRO-<br>CLEAN to flax during or<br>in diameter, whichever<br>comes first.         BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>50° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       BROCLEAN<br>to blay the temperatures<br>are system in unaccep-<br>table crop injury.       Method<br>the system<br>to flax during or<br>the system<br>the system<br>to flax during or<br>the system<br>the system<br>to flax during or<br>the temperatures<br>to 8 inches in height.<br>This tank mix will control<br>to adleaf weeds plus<br>to adleaf weeds (see I<br>on the BROCLEAN the the out stage,<br>the temperature or<br>the tempera   | 1                    |                                       | a minimum of 2   | for optimum control.                  |  | BROCL   | EAN RECOMMENDAT  | ONS   |
| When alfalfa stand is<br>uneven and conditions<br>tavor leafburn, unaccep-<br>table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.       PRODUCT       RATE       CROP       WEEDS         BROCLEAN       1 pint/A       Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply BRO-<br>CLEAN to flax during<br>or after the bud stage.       Apply to MOST SUSCE<br>to 8 inches in height.<br>Do not apply BRO-<br>CLEAN to flax during<br>or after the bud stage.       Apply to MOST SUSCE<br>inches in height or 1 inc<br>in diameter, whichever<br>corres first.         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed       PRODUCT       RATE       CROP       WEEDS         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed       PRODUCT       RATE       CROP       WEEDS         BROCLEAN + t<br>when temperatures<br>are expected to exceed       PRODUCT       RATE       CROP       WEEDS         80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       Concentrate or<br>can result in unaccep-<br>table crop injury.       2 pints/A       after the bud stage,<br>flax harvest.       MOST SUSCE<br>to bradieat weeds (see<br>that do not exceed the<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>mater whichever code<br>that do not exceed the<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>mater whichever code  |                      | 1                                     | trifoliate leaves.   | 1                                     | A  | PPLICATION  | TIMING AND SPECIFIC  | COMMENTS  |
| uneven and conditions       BROCLEAN       1 pint/A       Apply to flax that is 2       Apply to MOST SUSCE         tavor leafburn, unaccep-<br>table crop injury may<br>occur to alfalta treated<br>prior to the 2nd tifoliata<br>stage of growth.       1 pint/A       Apply to flax that is 2       Apply to MOST SUSCE         group of the 2nd tifoliata<br>stage of growth.       1 pint/A       Apply to flax that is 2       Apply to MOST SUSCE         group of the 2nd tifoliata<br>stage of growth.       Stage conditions,<br>contact your local       Imply the flax that is 2       Apply to MOST SUSCE         BROCLEAN to flax during<br>or after the bud stage.       Imply the flax that is 2       Imply the flax that is 2       Imply the flax that is 2         BROCLEAN to flax during<br>extension service.       BROCLEAN + Pursuit       BROCLEAN + Pursuit       BROCLEAN + Pursuit         applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       PRODUCT       BATE       CROP       WEDS         Concentrate or<br>table crop injury.       Do not apply this tank<br>flax harvest.       This tank mix will contra<br>the do not exceed the elast stage, 2 inches in<br>height or 1 inch in dia-<br>the do not exceed the elast stage, 2 inches in<br>height or 1 inch in dia-<br>meter whichever come   |                      |                                       | When alfalfa stand is  | ļ                                     | PRODUCT  | RATE  | CROP   | WEEDS   |
| favor leafburn, unaccep-<br>table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.       to 8 inches in height.<br>Do not apply BRO-<br>CLEAN to flax during<br>or after the bud stage.       TIBLE weeds that do not<br>exceed the 4 leaf stage<br>inches in height of 1 inc<br>or after the bud stage.         BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>contact your local<br>extension service.       BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>APPLICATIONTIMING AND SPECIFIC COMMENTS         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed       PRODUCT       RATE       CROP       WEEDS         BROCLEAN<br>weet prior to all extension service.       BROCLEAN<br>applications made<br>when temperatures<br>are expected to exceed       1 11½ pints/A       Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>following application<br>can result in unaccep-<br>table crop injury.       MOST SUSCEPTIBLE<br>broadleaf weeds (see II<br>or the BROCLEAN in the application<br>can result in unaccep-<br>table crop injury.       MOST SUSCEPTIBLE<br>broadleaf weeds (see II<br>or the BROCLEAN in the<br>prior to inche in height.  |                      |                                       | uneven and conditions  |                                       | BROCLEAN   | 1 pint/A  | Apply to flax that is 2  | Apply to MOST SUSCER  |
| table crop injury may<br>occur to alfalta treated<br>prior to the 2nd trifoliate<br>stage of growth<br>stage conditions,<br>contact your local<br>extension service.       Do not apply BRO-<br>CLEAN to flax during<br>or after the bud stage.       exceed the 4 leaf stage<br>inches in height or 1 inc<br>in diameter, whichever<br>comes first.         BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.       BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>APPLICATION TIMING AND SPECIFIC COMMENTS         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed       PRODUCT       RATE       CROP       WEEDS         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed       +       +       +       to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>following application<br>can result in unaccep-<br>table crop injury.       MOST SUSCEPTIBLE<br>Dash®       Do not apply BRO-<br>CLEAN tank mix will contract<br>to 8 inches in height or<br>to 8 inches in height or<br>to 8 inches in height or<br>the Poast label. Apply to<br>filax harvest.       MOST SUSCEPTIBLE<br>broadleaf weeds (see II<br>on the BROCLEAN in<br>that do not exceed the<br>leaf stage, 2 inches in<br>height or 1 inch ida-<br>mater   |                      | 1                                     | favor leafburn unaccen   | .[                                    |  | 1.  | to 8 inches in height.   | TIBLE weeds that do not   |
| Current or alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.       CLEAN to flax during<br>or after the bud stage.       inches in height or 1 inc<br>in diameter, whichever<br>comes first.         BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>stage conditions,<br>contact your local<br>extension service.       BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>APPLICATION TIMING AND SPECIFIC COMMENTS         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       PRODUCT<br>+ + + + + + + + + + + + + + + + + + +   |                      | i                                     |  | 1                                     |  | 1°  | Do not apply BRO-  | exceed the 4 leaf stage,  |
| prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.       or after the bud stage.       in diameter, whichever<br>comes first.         BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>accontact your local<br>extension service.       BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>APPLICATION TIMING AND SPECIFIC COMMENTS         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       PRODUCT<br>PACLEAN<br>+ + + to 8 inches in height.       This tank mix will control<br>broadleaf weeds plus<br>proceed to exceed<br>are expected to exceed<br>broadleaf weeds plus<br>concentrate or<br>broadleaf weeds plus<br>provide application<br>can result in unaccep-<br>table crop injury.       MOST SUSCEPTIBLE<br>broadleaf weeds (see the<br>leaf stage, 2 inches in<br>height or 1 inch ida-<br>meter whichever comes  | •                    |                                       | table crop injury may  |                                       |  |   | LOUGANING REAL AND A   |   |
| stage of growth. If you are unsure of growth stage conditions, contact your local extension service.       BROCLEAN TANK MIXTURE RECOMMENDATIONS APPLICATION TIMING AND SPECIFIC COMMENTS         BROCLEAN + Pursuit applications made when temperatures are expected to exceed 80° F at and 3 days following application can result in unacceptable table crop injury.       PRODUCT       RATE       CROP       WEEDS         BROCLEAN + Pursuit applications made       +       +       to 8 inches in height.       broadleaf weeds plus grassy weeds listed on the Poast label. Apply to flax that is 2       This tank mix will control broadleaf weeds plus grassy weeds listed on the Poast label. Apply to not apply this tank for the Poast label. Apply to not apply this tank for the Poast label. Apply to not apply this tank for the Poast label. Apply to flax that is 2       Do not apply this tank for the Poast label. Apply to flax that is 2         BROCLEAN + Pursuit are expected to exceed       +       +       +       to 8 inches in height.       broadleaf weeds (see II or the Poast label. Apply to flax that is 2       the Poast label. Apply to flax that is 2         BROCLEAN = B   | •                    |                                       | table crop injury may<br>occur to alfalfa treated  |                                       |  |   | CLEAN to tiax during   | inches in height or 1 inch  |
| are unsure of growth stage conditions, contact your local extension service.       BROCLEAN TANK MIXTURE RECOMMENDATIONS APPLICATION TIMING AND SPECIFIC COMMENTS         BROCLEAN + Pursuit applications made when temperatures are expected to exceed       PRODUCT       RATE       CROP       WEEDS         BROCLEAN + Pursuit applications made when temperatures following application can result in unacceptable table crop injury.       Poast       1-1½ pints/A       Apply to flax that is 2       This tank mix will control to 8 inches in height.         BROCLEAN + Pursuit application smade       +       +       +       bo not apply this tank mix to flax during or the Poast label. Apply to flax that is 2       This tank mix will control to 8 inches in height.       Do not apply this tank mix to flax during or the Poast label. Apply to flax that is 2       This tank mix will control to 8 inches in height.       Do not apply this tank mix to flax during or the Poast label. Apply to flax that is 2       This tank mix will control to 8 inches in height.       Do not apply this tank mix to flax during or the Poast label. Apply the flax thar vest.       MOST SUSCEPTIBLE         BROCLEAN label. Concentrate or table crop injury.       Or within 75 days of that do not exceed the leaf stage, 2 inches in height or 1 inch in diameter corne mater.       In the stage, 2 inches in height or 1 inch in diameter corne mater.  |                      | ,                                     | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate   |                                       |  |   | or after the bud stage.  | inches in height or 1 inch<br>in diameter, whichever  |
| stage conditions,<br>contact your local<br>extension service.       BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>APPLICATION TIMING AND SPECIFIC COMMENTS         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed       PRODUCT       RATE       CROP       WEEDS         BROCLEAN + 1<br>when temperatures<br>are expected to exceed       Probast       1 pint/A       Apply to flax that is 2<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast       This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast         80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       Concentrate or<br>table crop injury.       Or or<br>broadleaf weeds (see II<br>broadleaf stage, 2 inches in<br>broadleaf the broadleaf weeds (see II<br>broadleaf stage, 2 inches in<br>broadleaf the broadleaf the b  |                      | ,<br>,                                | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you  |                                       |  |   | or after the bud stage.  | inches in height or 1 inch<br>in diarneter, whichever<br>comes first.   |
| Contact your local<br>extension service.       APPLICATION TIMING AND SPECIFIC COMMENTS         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       PRODUCT       RATE       CROP       WEEDS         Chop       WEEDS       This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast       1 pint/A       Apply to flax that is 2<br>to 8 inches in height.       This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast table. Apply t         BROCLEAN       +       +       +       to 8 inches in height.       Broadleaf weeds plus<br>grassy weeds listed on<br>the Poast table. Apply t         Broot apply this tank<br>are expected to exceed       Crop oil       2 pints/A       after the bud stage,<br>or within 75 days of<br>that harvest.       MOST SUSCEPTIBLE         Broot apply this tank<br>are expected to exceed       Do not apply this tank<br>that do not exceed the<br>leaf stage, 2 inches in<br>height or 1 inch ida-<br>meter witchever come       Do not apply this tank<br>that do not exceed the<br>leaf stage, 2 inches in<br>height or 1 inchever come   |                      | · · · · · · · · · · · · · · · · · · · | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth  |                                       |  |   | or after the bud stage.  | inches in height or 1 inch<br>in diameter, whichever<br>comes first.  |
| extension service.       PRODUCT       RATE       CROP       WEEDS         BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed       H       1 pint/A       Apply to flax that is 2       This tank mix will contributions         80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.       Poast       1-1½ pints/A       Do not apply this tank<br>mix to flax during or<br>or within 75 days of<br>flax harvest.       MOST SUSCEPTIBLE  |                      | ,<br>,                                | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions.   |                                       | B  | ROCLEANTA   | or after the bud stage.  | inches in height or 1 inch<br>in diameter, whichever<br>comes first.  |
| BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed       BROCLEAN<br>+       1 pint/A<br>+       Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>following application<br>can result in unaccep-<br>table crop injury.       This tank mix will contru-<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast         BROCLEAN       1 pint/A<br>+       Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>following application<br>can result in unaccep-<br>table crop injury.       This tank mix will contru-<br>broadleaf weeds plus<br>following application<br>can result in unaccep-<br>table crop injury.       This tank mix will contru-<br>broadleaf weeds (see li<br>that do not exceed the<br>leaf stage, 2 inches in<br>height or 1 inch ida-<br>meter witchever come  |                      | ,                                     | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local   |                                       | B  | ROCLEANTA   | OLEAN to hax during<br>or after the bud stage.   | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>/ENDATIONS<br>COMMENTS  |
| applications made       +       +       to 8 inches in height.       broadleaf weeds plus         when temperatures       Poast       1-1½ pints/A       Do not apply this tank       grassy weeds listed on         are expected to exceed       +       +       +       mix to flax during or       the Poast label. Apply t         80° F at and 3 days       Crop oil       2 pints/A       or within 75 days of       broadleaf weeds (see I         following application       Can result in unaccep-       Dash®       2 pints/A       flax harvest.       on the BROCLEAN lab         table crop injury.       table crop injury.       Inches in height.       Inches in height.       height or 1 inch in diameter cometers   |                      | ,<br>,                                | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.   |                                       | B<br>A<br>PRODUCT  | ROCLEAN TA  | OR AND THE OR OF | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS   |
| when temperatures<br>are expected to exceed     Poast<br>+     1-1½ pints/A     Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>bud stage, 2 pints/A     grassy weeds listed on<br>the Poast label. Apply this<br>or within 75 days of<br>concentrate or<br>can result in unaccep-<br>table crop injury.     MOST SUSCEPTIBLE<br>bud stage, 2 pints/A   |                      |                                       | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit   |                                       | B<br>PRODUCT<br>BROCLEAN   | ROCLEAN TA<br>PPLICATION<br>RATE<br>1 pint/A  | or after the bud stage.  | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will control   |
| are expected to exceed       +       +       mix to flax during or<br>after the bud stage,<br>or within 75 days of<br>can result in unaccep-<br>table crop injury.       the Poast label. Apply to<br>the Poast label. Apply to<br>provide the bud stage,<br>concentrate or<br>Dash®   |                      | ,<br>,                                | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made  |                                       | B<br>PRODUCT<br>BROCLEAN<br>+  | ROCLEAN TA<br>PPLICATION<br>RATE<br>1 pint/A<br>+   | or after the bud stage.  | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will contro<br>broacleaf weeds plus  |
| 80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury.     Crop oil<br>Concentrate or<br>Dash®     2 pints/A     after the bud stage,<br>or within 75 days of<br>pints/A     MOST SUSCEPTIBLE<br>broadleaf weeds (see I<br>on the BROCLEAN lab<br>that do not exceed the<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>meter whichever come  |                      |                                       | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures   |                                       | B<br>PRODUCT<br>BROCLEAN<br>+<br>Poast   | ROCLEAN TA<br>PPLICATION<br>RATE<br>1 pint/A<br>+<br>1-1½ pints/A   | or after the bud stage.  | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>IENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will contro<br>broadleaf weeds plus<br>grassy weeds listed on  |
| following application<br>can result in unaccep-<br>table crop injury.     Concentrate or<br>Dash®     or     or within 75 days of<br>flax harvest.     broadleaf weeds (see I<br>on the BROCLEAN lab<br>that do not exceed the<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>unter withinewer come   |                      |                                       | table crop injury may<br>occur to alfalta treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed   |                                       | B<br>PRODUCT<br>BROCLEAN<br>+<br>Poast<br>+  | ROCLEAN TA<br>PPLICATION<br>RATE<br>1 pint/A<br>+<br>1-1½ pints/A<br>+  | CLEAN to hax during<br>or after the bud stage.<br>NK MIXTURE RECOMM<br>IMING AND SPECIFIC<br>CROP<br>Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or  | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast label. Apply to  |
| can result in unaccep-     Dash®     2 pints/A     flax harvest.     on the BROCLEAN lab<br>that do not exceed the<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>meter whichever come  |                      |                                       | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 2 days  |                                       | B<br>PRODUCT<br>BROCLEAN<br>+<br>Poast<br>+<br>Crop oil                            | ROCLEAN TA<br>PPLICATION<br>RATE<br>1 pint/A<br>+<br>1-1½ pints/A<br>2 pints/A                                      | or after the bud stage.  | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast label. Apply to<br>MOST SUSCEPTIBLE  |
| that do not exceed the<br>table crop injury.<br>the fastage, 2 inches in<br>height or 1 inch in dia-<br>meter whichever come   |                      |                                       | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following applications  |                                       | BROCLEAN<br>+<br>Poast<br>+<br>Crop oil<br>Concentrate or                          | ROCLEAN TA<br>PPLICATION<br>RATE<br>1 pint/A<br>+<br>1-1½ pints/A<br>or   | CLEAN to hax during<br>or after the bud stage.<br>NK MIXTURE RECOMM<br>TIMING AND SPECIFIC<br>CROP<br>Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>or within 75 days of   | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast label. Apply to<br>MOST SUSCEPTIBLE<br>broadleaf weeds (see lis  |
| leaf stage, 2 inches in<br>height or 1 inch in dia-<br>mater whichever come  |                      |                                       | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccess                       |                                       | B<br>PRODUCT<br>BROCLEAN<br>+<br>Poast<br>+<br>Crop oil<br>Concentrate or<br>Dash® | ROCLEAN TA<br>PPLICATION<br>RATE<br>1 pint/A<br>+<br>1-1½ pints/A<br>or<br>2 pints/A                                | CLEAN to hax during<br>or after the bud stage.<br>NK MIXTURE RECOMM<br>TIMING AND SPECIFIC<br>CROP<br>Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>or within 75 days of<br>flax harvest.  | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast label. Apply to<br>MOST SUSCEPTIBLE<br>broadleaf weeds (see list<br>on the BROCLEAN labe   |
| height or 1 inch in dia-<br>mater whichever come   |                      |                                       | table crop injury may<br>occur to alfalta treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table grow injury. |                                       | B<br>PRODUCT<br>BROCLEAN<br>+<br>Poast<br>+<br>Crop oil<br>Concentrate or<br>Dash® | PROCLEANTA<br>PPLICATION <sup>T</sup><br>RATE<br>1 pint/A<br>+<br>1-1½ pints/A<br>+<br>2 pints/A<br>or<br>2 pints/A | CLEAN to hax during<br>or after the bud stage.<br>NK MIXTURE RECOMM<br>IMING AND SPECIFIC<br>CROP<br>Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>or within 75 days of<br>flax harvest.   | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast label. Apply to<br>MOST SUSCEPTIBLE<br>broadleaf weeds (see list<br>on the BROCLEAN labe)<br>that do not exceed the 4  |
| mater whichever onne   |                      |                                       | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury. |                                       | B<br>PRODUCT<br>BROCLEAN<br>+<br>Poast<br>+<br>Crop oil<br>Concentrate or<br>Dash® | POCLEANTA<br>PPLICATIONT<br>RATE<br>1 pint/A<br>+<br>1-11/2 pints/A<br>+<br>2 pints/A<br>or<br>2 pints/A            | CLEAN to hax during<br>or after the bud stage.<br>NK MIXTURE RECOMM<br>IMING AND SPECIFIC<br>CROP<br>Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>or within 75 days of<br>flax harvest.   | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast label. Apply to<br>MOST SUSCEPTIBLE<br>broadleaf weeds (see list<br>on the BROCLEAN labe<br>that do not exceed the 4<br>leaf stage, 2 inches in                            |
|  |                      |                                       | table crop injury may<br>occur to alfalfa treated<br>prior to the 2nd trifoliate<br>stage of growth. If you<br>are unsure of growth<br>stage conditions,<br>contact your local<br>extension service.<br>BROCLEAN + Pursuit<br>applications made<br>when temperatures<br>are expected to exceed<br>80° F at and 3 days<br>following application<br>can result in unaccep-<br>table crop injury. |                                       | BROCLEAN<br>+<br>Poast<br>+<br>Crop oil<br>Concentrate or<br>Dash®                 | ROCLEANTA<br>PPLICATION<br>RATE<br>1 pint/A<br>+<br>1-1½ pints/A<br>2 pints/A<br>or<br>2 pints/A                    | CLEAN to hax during<br>or after the bud stage.<br>NK MIXTURE RECOMM<br>TIMING AND SPECIFIC<br>CROP<br>Apply to flax that is 2<br>to 8 inches in height.<br>Do not apply this tank<br>mix to flax during or<br>after the bud stage,<br>or within 75 days of<br>flax harvest.  | inches in height or 1 inch<br>in diameter, whichever<br>comes first.<br>MENDATIONS<br>COMMENTS<br>WEEDS<br>This tank mix will control<br>broadleaf weeds plus<br>grassy weeds listed on<br>the Poast label. Apply to<br>MOST SUSCEPTIBLE<br>broadleaf weeds (see lis<br>on the BROCLEAN labe<br>that do not exceed the 4<br>leaf stage, 2 inches in<br>height or 1 inch in dia- |

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| IESTRICTIONS A<br>Do not apply if te<br>application or cro<br>Unacceptable cro<br>on high organic, p<br>Application under<br>Unless otherwise<br>surfactants or nitr<br>Do not use on or<br>Follow all precau<br>tank mixture with<br>Maximum 0.5 lb a<br>Observe a minim<br>PROCLEAN<br>Only for garlic<br>rown in muck<br>oils in North-<br>iastern' United<br>States)<br>PRECAUTIONS A<br>Use a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a  | AND PRECAUT<br>emperatures are<br>op injury may oc<br>op injury may oc<br>peat type soils.<br>ar high humidity v<br>e instructed, do<br>trogen solutions.<br>rnamental flax.<br>utions, directions<br>h BROCLEAN.<br>ai/A per season<br>num 30 day pref<br>BROCLE<br>APPLICATION<br>RATE<br>1½-2 pints/A              | IONS: Flax (Linium us<br>expected to exceed 85%<br>cur.<br>xcur following BROCLEA<br>conditions can injure flax,<br>not apply BROCLEAN wi<br>s and restrictions on the f<br>arvest interval.<br>GARLIC<br>GARLIC<br>AN RECOMMENDATIO<br>TIMING AND SPECIFIC<br>CROP<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>"May be harvested 60<br>days after treatment.<br>TONS: Garlic | sitatissium only)<br>F at or 3 days following<br>N application to flax grown<br>ith crop oil concentrate,<br>Poast® label when using this<br>Poast® label when using this<br><u>NS</u><br><u>C COMMENTS</u><br><u>WEEDS</u><br>Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter,whichever<br>comes first. | PRODUCT<br>BROCLEAN | Preemergence<br>1-1 ½ pints/A                                  | Initial and specific to a set of the Mississippi<br>River only on muck soils containing greater than 10% organic matter. Apply at least 3 to 4 days prior to emergence. Rainfall or irrigation within 2 days billowing pre-<br>emergence. Rainfall or irrigation within 2 days prior to crop emergence applications or 3 days prior to crop emergence may result in unacceptable crop injury. Preemergence applications can be applied using either ground or aerial equipment.<br>Apply only to onions which have 2 to 5 true leaves.<br>Use at least 50-70 gallons of water per acre and <b>apply by</b>               | Apply BROCLEAN at 1<br>pint/A to control MOST<br>SUSCEPTIBLE weeds<br>and 1½ pints/A for SUS-<br>CEPTIBLE weeds. Weed<br>should not exceed the 4<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>meter, whichever comes<br>first. |
|--|---|--|---|---------------------|--|--|---|
| ESTRICTIONS A<br>Do not apply if te<br>application or cro<br>Unacceptable cro<br>on high organic, p<br>Application under<br>Unless otherwises<br>surfactants or nit<br>Do not use on or<br>Follow all precau<br>tank mixture with<br>Maximum 0.5 lb a<br>Observe a minim<br>PRODUCT<br>IROCLEAN<br>Only for garlic<br>rown in muck<br>oils in North-<br>tastern' United<br>States)<br>PRECAUTIONS A<br>Use a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a  | AND PRECAUT<br>emperatures are<br>op injury may oc<br>op injury may oc<br>peat type soils.<br>ar high humidity e<br>instructed, do<br>trogen solutions.<br>rramental flax.<br>utions, directions<br>h BROCLEAN.<br>ai/A per season<br>num 30 day pref<br>BROCLE<br>APPLICATION<br>RATE<br>11/2-2 pints/A              | IONS: Flax (Linium us<br>expected to exceed 85%<br>cur.<br>xcur following BROCLEAI<br>conditions can injure flax.<br>not apply BROCLEAN with<br>a and restrictions on the F<br>marvest interval.<br>GARLIC<br>AN RECOMMENDATIO<br>TIMING AND SPECIFIC<br>CROP<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>"May be harvested 60<br>days after treatment.<br>TONS: Garlic       | sitatissium only)<br>F at or 3 days following<br>N application to flax grown<br>ith crop oil concentrate,<br>Poast® label when using this<br>Poast® label when using this<br>C COMMENTS<br>WEEDS<br>Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter,whichever<br>comes first.                            | BROCLEAN            | Preemergence<br>1-1 ½ pints/A<br>Postemergence<br>1-1½ pints/A | Preemergence use<br>restricted to onions<br>east of the Mississippi<br>River only on muck<br>solls containing greater<br>than 10% organic<br>matter. Apply at least<br>3 to 4 days prior to<br>emergence. Rainfall<br>or irrigation within 2<br>days billowing pre-<br>emergence applications<br>or 3 days prior to crop<br>emergence may result<br>in unacceptable crop<br>injury. Preemergence<br>applications can be<br>applied using either<br>ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b> | Apply BROCLEAN at 1<br>pint/A to control MOST<br>SUSCEPTIBLE weeds<br>and 1½ pints/A for SUS-<br>CEPTIBLE weeds. Weed<br>should not exceed the 4<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>meter, whichever comes<br>first. |
| application or cro<br>Unacceptable crc<br>on high organic, 1<br>Application under<br>Unless otherwise<br>surfactants or nitr<br>Do not use on orn<br>Follow all precau-<br>tank mixture with<br>Maximum 0.5 lb a<br>Observe a minim<br>PRODUCT<br>ROCLEAN<br>Only for garlic<br>rown in muck<br>oils in North-<br>tates)<br>PRECAUTIONS A<br>Use a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a  | op injury may oc<br>op injury may oc<br>peat type soils,<br>ar high humidity i<br>e instructed, do<br>trogen solutions.<br>rnamental flax.<br>utions, directions<br>h BROCLEAN.<br>ai/A per season<br>num 30 day pref<br>BROCLEAN.<br>ai/A per season<br>num 30 day pref<br>BROCLEAN.<br>1½-2 pints/A<br>1½-2 pints/A | cur.<br>xcur following BROCLEAI<br>conditions can injure flax.<br>not apply BROCLEAN wi<br>and restrictions on the f<br>arvest interval.<br><b>GARLIC</b><br><b>GARLIC</b><br><b>GARLIC</b><br><b>GARLIC</b><br><b>CROP</b><br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>*May be harvested 60<br>days after treatment.<br><b>TONS: Garlic</b>                                  | N application to flax grown<br>ith crop oil concentrate,<br>Poast® label when using this<br><b>DNS</b><br><u>C COMMENTS</u><br>WEEDS<br>Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter,whichever<br>comes first.  | •                   | Postemergence<br>1-1½ pints/A                                  | east of the Mississippi<br>River only on muck<br>solls containing greater<br>than 10% organic<br>matter. Apply at least<br>3 to 4 days prior to<br>emergence. Rainfall<br>or irrigation within 2<br>days following pre-<br>emergence applications<br>or 3 days prior to crop<br>emergence may result<br>in unacceptable crop<br>injury. Preemergence<br>applied using either<br>ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>  | SUSCEPTIBLE weeds<br>and 1½ pints/A for SUS-<br>CEPTIBLE weeds. Weed<br>should not exceed the 4<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>meter, whichever comes<br>first.  |
| Application under<br>Unless otherwise<br>surfactants or nitr<br>Do not use on or<br>Follow all precau-<br>tank mixture with<br>Maximum 0.5 lb a<br>Observe a minim<br>PRODUCT<br>ROCLEAN<br>Only for garlic<br>rown in muck<br>oils in North-<br>astern* United<br>States)<br>PRECAUTIONS A<br>Use a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a  | pear type sons.<br>e instructed, do<br>trogen solutions.<br>rnamental flax.<br>utions, directions<br>h BROCLEAN.<br>ai/A per season<br>num 30 day pref<br>BROCLE<br>APPLICATION<br>RATE<br>1½-2 pints/A<br>1½-2 pints/A   | conditions can injure flax,<br>not apply BROCLEAN with<br>a and restrictions on the f<br>marvest interval.<br>GARLIC<br>CAN RECOMMENDATIC<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>"May be harvested 60<br>days after treatment.<br>TONS: Garlic   | ith crop oil concentrate,<br>Poast® label when using this<br><b>DNS</b><br><u>C COMMENTS</u><br><u>WEDS</u><br>Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter, whichever<br>comes first.  |                     | Postemergence<br>1-1½ pints/A                                  | solis containing greater<br>than 10% organic<br>matter. Apply at least<br>3 to 4 days prior to<br>emergence. Rainfall<br>or irrigation within 2<br>days following pre-<br>emergence applications<br>or 3 days prior to crop<br>emergence may result<br>in unacceptable crop<br>injury. Preemergence<br>applications can be<br>applied using either<br>ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>  | I be the second should not exceed the 4<br>leaf stage, 2 inches in<br>height or 1 inch in dia-<br>meter, whichever comes<br>first.  |
| Contest of the second s | trogen solutions.<br>rnamental flax.<br>utions, directions<br>h BROCLEAN.<br>ai/A per season<br>num 30 day pref<br>BROCLE<br>APPLICATION<br>RATE<br>1½-2 pints/A<br>1½-2 pints/A  | and restrictions on the f<br>marvest interval.<br>GARLIC<br>AN RECOMMENDATIO<br>TIMING AND SPECIFIC<br>CROP<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>"May be harvested 60<br>days after treatment.<br>TONS: Garlic   | Poast® label when using this<br>Poast® label when using this<br>C COMMENTS<br>WEEDS<br>Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter,whichever<br>comes first.   | •                   | Postemergence<br>1-1½ pints/A                                  | 11 attest. Apply at least<br>3 to 4 days prior to<br>emergence. Rainfall<br>or irrigation within 2<br>days billowing pre-<br>emergence applications<br>or 3 days prior to crop<br>emergence may result<br>in unacceptable crop<br>injury. Preemergence<br>applications can be<br>applied using either<br>ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>   | height or 1 inch in dia-<br>meter, whichever comes<br>first.  |
| Follow all precau<br>tank mixture with<br>Maximum 0.5 lb a<br>Observe a minim<br>ROCLEAN<br>PROCLEAN<br>Only for garlic<br>rown in muck<br>oils in North-<br>astern* United<br>tates)<br>RECAUTIONS A<br>Use a minimum o<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a   | utions, directions<br>h BROCLEAN,<br>ai/A per season<br>num 30 day pref<br>BROCLE<br>APPLICATION<br>RATE<br>1½-2 pints/A<br>1½-2 pints/A  | and restrictions on the F<br>arvest interval.<br>GARLIC<br>AN RECOMMENDATIO<br>TIMING AND SPECIFI<br>CROP<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>"May be harvested 60<br>days after treatment.<br>TONS: Garlic   | Poast® label when using this<br>C COMMENTS<br>WEEDS<br>Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter,whichever<br>comes first.   | - ,                 | Postemergence<br>1-1½ pints/A                                  | or irrigation within 2<br>days following pre-<br>emergence applications<br>or 3 days prior to crop<br>emergence may result<br>in unacceptable crop<br>injury. Preemergence<br>applied using either<br>ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>  | first.  |
| Maximum 0.5 lb a<br>Observe a minim<br>RODUCT<br>ROCLEAN<br>Drily for garlic<br>rown in muck<br>oils in North-<br>astern * United<br>tates)<br>RECAUTIONS A<br>Use a minimum o<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a   | ai/A per season<br>num 30 day pref<br>BROCLE<br>APPLICATION<br>RATE<br>1½-2 pints/A<br>1½-2 pints/A   | GARLIC<br>AN RECOMMENDATION<br>TIMING AND SPECIFIC<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>*May be harvested 60<br>days after treatment.<br>TONS: Garlic  | Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter, whichever<br>comes first.   | •                   | Postemergence<br>1-1½ pints/A                                  | emergence applications<br>or 3 days prior to crop<br>emergence may result<br>in unacceptable crop<br>injury. Preemergence<br>applications can be<br>applied using either<br>ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>  |   |
| RODUCT<br>ROCLEAN<br>Dnly for garlic<br>rown in muck<br>oils in North-<br>astern' United<br>tates)<br>RECAUTIONS A<br>Use a minimum o<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a  | BROCLE<br>APPLICATION<br>RATE<br>11/2-2 pints/A   | GARLIC<br>EAN RECOMMENDATIO<br>TIMING AND SPECIFIC<br>CROP<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>*May be harvested 60<br>days after treatment.<br>TONS: Garlic  | Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter, whichever<br>comes first.   | · .                 | Postemergence<br>1-1½ pints/A                                  | emergence may result<br>in unacceptable crop<br>injury. Preemergence<br>applications can be<br>applied using either<br>ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>   |   |
| PRODUCT<br>BROCLEAN<br>Donly for garlic<br>prown in muck<br>oils in North-<br>astern' United<br>States)<br>PRECAUTIONS A<br>Use a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a   | APPLICATION<br>RATE<br>1½-2 pints/A<br>1½-2 pints/A   | Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>*May be harvested 60<br>days after treatment.<br>*IONS: Garlic   | C COMMENTS<br>WEDS<br>Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter, whichever<br>comes first.   |                     | Postemergence<br>1-1½ pints/A                                  | applications can be<br>applied using either<br>ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>   |   |
| ROCLEAN<br>BROCLEAN<br>Only for garlic<br>rown in muck<br>oils in North-<br>astern' United<br>itates)<br>RECAUTIONS A<br>Use a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a  | AND RESTRICT  | CROP<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>*May be harvested 60<br>days after treatment.<br>IONS: Garlic  | WEEDS<br>Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter,whichever<br>comes first.   |                     | Postemergence<br>1-1½ pints/A                                  | applied using either<br>ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>  |   |
| ROCLEAN<br>Only for garlic<br>rown in muck<br>oils in North-<br>astern* United<br>tates)<br><b>RECAUTIONS A</b><br>Use a minimum o<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a   | 1½-2 pints/A  | Apply to garlic after<br>emergence and before<br>12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>*May be harvested 60<br>days after treatment.<br>IONS: Garlic  | Apply to MOST SUSCEP-<br>TIBLE and SUSCEPTI-<br>BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter,whichever<br>comes first.  |                     | Postemergence<br>1-1½ pints/A                                  | ground or aerial<br>equipment.<br>Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>  |   |
| BROCLEAN<br>Only for garlic<br>rown in muck<br>oils in North-<br>astern* United<br>States)<br>PRECAUTIONS A<br>Use a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a  | 1½-2 pints/A  | 12 inches in height.<br>Apply to garlic after<br>emergence and before<br>12 inches in height.<br>*May be harvested 60<br>days after treatment.<br>TONS: Garlic   | BLE broadleaf weeds up<br>to the 4 leaf stage, 2 inch<br>es in height or 1 inch in<br>diameter,whichever<br>comes first.  |                     | Postemergence<br>1-1½ pints/A                                  | Apply only to onions<br>which have 2 to 5 true<br>leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>  |   |
| ODUCEAN<br>Trown in muck<br>oils in North-<br>astern' United<br>tates)<br>RECAUTIONS A<br>Use a minimum o<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a  |   | Appy to ganice and before<br>emergence and before<br>12 inches in height.<br>*May be harvested 60<br>days after treatment.<br>TONS: Garlic   | es in height or 1 inch in<br>diameter,whichever<br>comes first.   |                     | 1-1/2 pints/A  | leaves.<br>Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>  |   |
| rown in muck<br>oils in North-<br>astern* United<br>tates)<br>RECAUTIONS A<br>Use a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a   |   | 12 inches in height.     *May be harvested 60     days after treatment.     TONS: Garlic   | diameter, whichever<br>comes first.   |                     |  | Use at least 50-70<br>gallons of water per<br>acre and <b>apply by</b>   |   |
| RECAUTIONS A<br>Use a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a   |   | *May be harvested 60<br>days after treatment.  | comes first.  |                     |  | Use at least 50-70 gallons of water per acre and <b>apply by</b>   |   |
| satern* United<br>tates)<br>RECAUTIONS A<br>Jse a minimum of<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a   | AND RESTRICT  | *May be harvested 60<br>days after treatment.<br>IONS: Garlic  |   |                     |  | gallons of water per<br>acre and apply by  |   |
| RECAUTIONS A<br>Use a minimum o<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeasi<br>Maximum 0.5 lb a  |   | days after treatment.  |   | ·                   |  | acre and apply by  |   |
| RECAUTIONS A<br>Use a minimum o<br>BROCLEAN can<br>Do not harvest w<br>soils in Northeast<br>Maximum 0.5 lb a  |   | IONS: Garlic   |   |                     |  |  |   |
|  | n be applied thro<br>within 112 days f<br>stern United Stat<br>ai/A per season  | ugh automated sprinkler<br>ollowing treatment (excep<br>es).<br>MINT   | irrigation application.<br>at garlic grown in muck  |                     |  | important - CONCEN-<br>TRATED SPRAYS<br>KILL ONIONS.<br>Thorough and uniform<br>coverage is necessary<br>for good weed control.  |   |
| EST  | TABLISHED PE  | PPERMINT AND SPEA  | RMINT ONLY  |                     |  | -  |   |
|  | BROCLE  | AN RECOMMENDATIO   | INS   |                     |  | In onion-producing   |   |
|  | PRATE   | CROP   | WEEDS   |                     |  | areas, certain environ-  |   |
| BOCLEAN  | 1-1% nints/A  | Apply to dormant or  | Apply to MOST SUS-  |                     |  | reduce development of  |   |
| OOLLIN   | 1 172 pintarr   | actively growing   | CEPTIBLE and SUS-   |                     |  | waxy coating on the  |   |
|  |   | established peppermint   | CEPTIBLE weeds that do  |                     |  | onion leaves, thus   |   |
|  |   | or spearmint crops that  | not exceed the 4 leaf   |                     |  | increasing the pos-  |   |
|  | 1   | exhibit good vigor.  | stage, 2 inches in height   |                     | 1 I  | sibility of injury. Dry  |   |
|  |   |  | or 1 inch in diameter,  |                     |  | soil, dry onion foliage,   |   |
|  |   |  | whichever comes first.  |                     |  | high light intensity, low  |   |
|  | Chemigation   | Apply to dormant or  | 1   |                     |  | humidity, and high   | 1   |
|  | 2 pints/A only  | actively growing   |   |                     |  | temperatures tend to   |   |
|  |   | or spearmint crons that  |   |                     | 1.   | increase the waxy  |   |
|  | ļ   | exhibit good vigor   |   |                     |  | and thus reducing  |   |
|  | [   | Apply through auto-  |   |                     | 1  | chances for injury It is   |   |
|  |   | mated sprinkler irriga-  |   |                     | ļ  | essential that the soil  |   |
|  |   | tion systems with a  |   |                     |  | and onion foliage be   |   |
|  |   | mechanical transfer  | 1   |                     |  | dry at the time of   |   |
|  |   | loading system only.   |   |                     |  | application. Humidity  |   |
|  |   | See MIXING,  |   |                     | 1  | should be low and dew  |   |
|  |   | LOADING AND  | 1   |                     |  | should be off the plants.  | <u> </u>  |
|  |   |  |   | DESTRICTION         |  | TIONS: Opione  |   |

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#### RESTRICTIONS AND PRECAUTIONS: Mint

 Application made to mint when temperatures are expected to exceed 70°F at or 5 days following application may result in unacceptable crop injury. This injury is more likely to occur following BROCLEAN application in the spring.

details.

- . Do not apply to mint growing under adverse conditions including diseases, insects, nematodes, high salt content soil, drought, excessive moisture, winter damage or other environmental stress. • Application of BROCLEAN to mint should not be made within two weeks of a Sinbar<sup>5</sup>
- Do not use in spring on newly established mint. Fall applications to spring planted mint should be acceptable if the crop is well established.
- · BROCLEAN can cause temporary stunting and discoloration of the mint particularly from the spring application. However, the injury symptoms are only temporary and have not caused yield reduction.
- Use of BROCLEAN in combination with other products may increase temporary stunting and discoloration.
- . Do not harvest within 70 days following treatment.
- Do not apply more than 0.5 lb ai of bromoxynil per acre to mint in a single growing season.

- The sensitivity of onions to BROCLEAN varies with the variety and environmental
- The sensitivity of ontons to BroccLeav values with the values and environmental conditions. Therefore, even if all the label directions are followed, BROCLEAN application still may cause injury to onions under certain dircumstances.
  Do not irrigate onions that have received a preemergence application of BROCLEAN for 2 days following application or within 3 days of crop emergence.
  Do not use BROCLEAN preemergence to onions grown west of the Mississippi
- River.
- Do not use BROCLEAN on onions grown under low light intensity, in areas such as Oregon, west of the Cascades.
- Do not treat onions damaged by sand, insects, or diseases.
  Do not apply postemergence applications of BROCLEAN to onions with aerial equipment.
  - · Do not add surfactant.
  - Maximum 0.5 lb ai/A per season.
  - Observe a minimum 30 day preharvest interval.

#### GRASS CROPS CONSERVATION RESERVE PROGRAM (CRP) AREAS **BROCLEAN RECOMMENDATIONS** TION TIMING AND SPECIFIC COL MENTO

| PRODUCT  | RATE                          | CROP   | WEEDS  |
|----------|-------------------------------|--|--|
| BROCLEAN | 1-2 pints/A                   | Apply to grasses after<br>emergence. If alfalfa is<br>planted, apply after the<br>4 trifoliate leaf stage.   | Apply to MOST SUS-<br>CEPTIBLE and SUS-<br>CEPTIBLE broadleaf<br>weeds up to the 4 leaf<br>stage, 2 inches in height<br>or 1 inch in diameter,<br>whichever comes first. |
|          | Chemigation<br>2 pints/A only | Apply to grasses after<br>emergence. If alfalfa<br>is planted apply after<br>the 4 trifoliate leaf stage.<br>Apply through auto-<br>mated sprinkler irriga-<br>tion systems with a<br>mechanical transfer<br>loading system only.<br>See MIXING, LOADING<br>AND HANDLING<br>INSTRUCTIONS<br>section for complete<br>details. |  |

| _                    | APPLICATION TIMING AND SPECIFIC COMMENTS |                            |  |       |  |  |
|----------------------|--|----------------------------|--|-------|--|--|
| Product              | RATE<br>Per<br>ACRE                      | RATE<br>Per 1000<br>SQ.FT. | CROP   | WEEDS |  |  |
| BROCLEAN<br>cont'd.: | Chemi-<br>gation<br>2 pints<br>only      | 0.75 fl.<br>oz.            | Apply to established<br>and newly seeded<br>grasses grown for seed<br>or sod production before<br>the boot stage. Apply<br>through automated<br>sprinkler irrigation<br>systems with mechanical<br>transfer loading system<br>only. See MIXING,<br>LOADING AND<br>HANDLING INSTRUC-<br>TIONS section for<br>complete details. Refer<br>to the list of established<br>grasses that are tolerant<br>to BROCLEAN. |       |  |  |

RESTRICTIONS AND PRECAUTIONS: Grasses grown for seed or sod production. • Do not allow livestock to graze in treated areas or feed treated grasses to livestock. • Do not apply BROCLEAN to grasses grown for seed or sod production with backpack or hand-held application equipment.

Maximum 0.5 lb ai/A per season.

#### NON-RESIDENTIAL TURFGRASS BROCLEAN RECOMMENDATIONS Seedling and Established Non-Residential Turfgrass

|   | BROCLEAN TANK MIXTURE RECOMMENDATIONS<br>APPLICATION TIMING AND SPECIFIC COMMENTS |  |   |  |  |
|---|---|--|---|--|--|
| PRODUCT   | RATE  | CROP   | WEEDS   |  |  |
| BROCLEAN<br>+<br>Rhomene <sup>®</sup><br>or Rhonox <sup>®</sup><br>(MCPA) | 1-2 pints/A<br>+<br>¼ -½ pint/A   | Apply to CRP areas<br>after grasses have<br>reached the 3 leaf<br>stage.Do not use this<br>tank mixture in areas<br>where alfalfa or other<br>legumes have been<br>planted | This tank mix improves<br>control of mustards, pig-<br>weed, and kochia. Apply<br>up to the 4 leaf stage, 2<br>inches in height or 1 inch<br>in diameter, whichever<br>comes first. |  |  |

RESTRICTIONS AND PRECAUTIONS: CRP AREAS

. Do not allow livestock to graze in treated areas or feed treated grass and forage to livestock.

Do not add spray adjuvants or fluid fertilizers when applying BROCLEAN to CRP areas planted with alfalfa or other legumes.
Do not apply BROCLEAN to CRP areas planted with alfalfa if temperatures are expected to exceed 80°F or severe crop injury may occur. If legumes other than alfalfa have been planted, severe crop injury may occur at any application temperature.

temperature.
Do not apply more than 1½ pints/A of BROCLEAN to CRP areas that are underseeded with alfalfa.
Maximum 0.5 lb ai/A per season.
Maximum rate for areas underseeded with alfalfa is 0.375 lb ai bromoxynil (1.5)

pints/A Broclean) per year.

## GRASSES GROWN FOR SEED OR SOD PRODUCTION BROCLEAN RECOMMENDATIONS Seedling and Established Grasses

|          | RATE   | RATE         | CROP                     | WEEDS                      |
|----------|--------|--------------|--------------------------|----------------------------|
| Product  | Per    | Per 1000     |                          |                            |
|          | ACRE   | SQ.FT.       |                          |                            |
| BROCLEAN | 1 to 2 | 0.375 to     | Apply to established     | Refer to the General       |
|          | pints  | 0.75 fl. oz. | and newly seeded         | Weed List for a listing of |
|          |        |              | grasses for seed or sod  | susceptible broadleaf      |
|          |        | . ·          | production before the    | weeds.                     |
|          | ]      | 1            | boot stage. Established  |                            |
|          |        |              | grasses tolerant to      | Optimal control will be    |
|          |        |              | BROCLEAN include         | attained when weeds are    |
|          |        |              | bentgrasses, Kentucky    | treated in the seedling    |
|          |        |              | Bluegrass, Fescues,      | stage (less than 4 leaf    |
|          |        |              | Ryegrass, Bermuda-       | stage, 2 inches in height, |
|          |        |              | grass, St. Augustine-    | or 1 inch in diameter).    |
|          |        |              | grass and Zoysiagrass.   |                            |
|          |        |              | BROCLEAN may also        |                            |
|          | ł      | (            | be used on seedling      | l l                        |
|          | 1      |              | grasses such as Merion,  |                            |
|          |        |              | Park, Delta, or common   |                            |
|          |        |              | Kentucky Bluegrasses,    |                            |
|          | ) ·    | }            | Pennlawn, Chewings,      |                            |
|          | ļ      |              | Illahee or Alta Fescues, |                            |
|          | i      |              | Orchardgrass, Highland,  |                            |
|          |        |              | Seaside or Astoria Bent- | · · ·                      |
|          | ļ      | J ·          | grasses, perennial Rye-  | J                          |
|          |        |              | grasses, Bahiagrass      |                            |
| •        |        | ł            | and Zovsiagrass.         |                            |

|          | APPLICATION TIMING AND SPECIFIC COMMENTS |          |                         |                            |  |  |
|----------|--|----------|-------------------------|----------------------------|--|--|
|          | RATE                                     | RATE     | CROP                    | WEEDS                      |  |  |
| Product  | Per                                      | Per 1000 |                         |                            |  |  |
|          | ACRE                                     | SQ.FT.   | ·                       |                            |  |  |
| BROCLEAN | 1 to 2                                   | .0375 to | Apply to established    | Refer to the General Weed  |  |  |
|          | pints                                    | 0.75     | and newly seeded non-   | List for a listing of      |  |  |
| •        |  | fl. oz.  | residential turfgrass   | susceptible broadleaf      |  |  |
|          |  |          | when weeds are small    | weeds.                     |  |  |
|          |  | j ·      | and actively growing.   |                            |  |  |
|          |  | •        | Established turfgrasses | Optimal control will be    |  |  |
|          |  |          | that are tolerant to    | attained when weeds are    |  |  |
|          |  | 1        | BHOCLEAN Include        | treated in the seedling    |  |  |
|          |  |          | Dentgrasses, Kentucky   | stage (less than 4 leaf    |  |  |
|          |  |          | Biuegrass, Pescues,     | stage, 2 inches in neight, |  |  |
|          |  |          | arass St Augustino-     | or renorm diameter).       |  |  |
|          |  | ļ        | grass, St. Augustine    |                            |  |  |
|          | 1  |          | BBOCI FAN may also      |                            |  |  |
|          | [  | [        | be used on seedling     |                            |  |  |
|          |  |          | grasses such as Merion  |                            |  |  |
|          |  |          | Park. Delta or com-     |                            |  |  |
|          |  |          | mon Kentucky Blue-      |                            |  |  |
|          |  | 1        | grasses, Pennlawn.      | 1                          |  |  |
|          |  | 1        | Chewings, Illahee or    |                            |  |  |
| -        |  |          | Alta Fescues, Orchard-  |                            |  |  |
|          |  |          | grass, Highland, Sea-   |                            |  |  |
|          |  |          | side or Astoria Bent-   |                            |  |  |
|          |  |          | grasses, perennial Rye- |                            |  |  |
|          |  |          | grasses, Bahiagrass     |                            |  |  |
|          |  |          | and Zovsiagrass         |                            |  |  |

RESTRICTIONS AND PRECAUTIONS: Non-residential turfgrasses

Do not allow livestock to graze in treated areas or feed treated grasses to livestock.
 Do not apply BROCLEAN to non-residential turf with backpack or hand-held application

equipment.

Maximum 0.5 lb ai/A per season.

NON-RESIDENTIAL TURFGRASS BROCLEAN TANK MIXTURE RECOMMENDATIONS Established Non-Residential Turfgrass APPLICATION TIMING AND SPECIFIC COMMENTS

| RATE       | RATE       | Des 1000    | CROP                    | WEEDS                                   |
|------------|------------|-------------|-------------------------|---|
| Product    | ACDE       | Per 1000    |                         |   |
| BBOCI FAN  | 2 Pinte    | 0.75        | Apply to established    | All weed snecies previ-                 |
| +          | 4          | 10.75       | non-residential turf    | ously listed in the General             |
| Weedone®   | 3 to 4     |             | grass only This treat-  | Weed List for BBOCI EAN                 |
| DPC Ester  | Pints      | 1 125 to    | ment may cause          | plus the following species:             |
| D: 0 10:01 | 1 11 100   | 1.5 fl. oz. | injury to bentgrasses.  | Dandelion (Taraxacum                    |
|            |            |             | St. Augustinegrass.     | officinale)                             |
|            |            |             | centipedeorass, and     | Plantains (Plantago spp.)               |
|            |            |             | carpetgrass.            | Ground Ivy (Glechoma                    |
|            |            |             |                         | nederacea)                              |
|            |            |             |                         | Red Clover (Trifolium                   |
|            |            |             |                         | pratense)                               |
| 1          |            |             |                         | White Clover (Trifolium                 |
|            |            |             |                         | Hop Clover (Trifolium                   |
|            |            |             |                         | agrarium)                               |
|            |            |             | · .                     | Common Chickweed                        |
|            |            |             |                         | (Stellaria media)                       |
|            |            |             |                         | Prostrate Spurge                        |
|            |            |             |                         | (Euphorbia supina)                      |
|            |            |             |                         | Oxalis (Oxalis europaea)                |
|            |            |             |                         | Knotweed (Polygonum                     |
|            |            |             |                         | ( aviculare)<br>Optimal control will be |
|            |            |             |                         | opumal control will be                  |
|            |            |             |                         | treated in the seedling                 |
|            |            |             |                         | stage (less than 4 leaf                 |
|            |            |             |                         | stage, 2 inches in height               |
|            |            |             |                         | or 1 inch in diameter).                 |
| BROCLEAN   | 2 Pints    | 0.75 fl. oz | Apply to established    | All weed species previ-                 |
| +          | + '        | +           | non-residential turf-   | ously listed in the General             |
| MCPP       | 1.0 lb ai  | 0.025 lb ai | grass only. This treat- | Weed List for BROCLEAN                  |
|            |            |             | ment is not recom-      | plus the following                      |
|            |            |             | mended for use on       | species:                                |
|            |            |             | St. Augustinegrass or   | Red Clover (Trifolium                   |
|            |            |             | centipedegrass.         | pratense)<br>White Clover (Trifelium    |
|            |            |             |                         |   |
|            |            |             |                         | Common Chickwood                        |
|            |            |             |                         | (Stellaria merila)                      |
|            |            |             |                         | Mouseear Chickweed                      |
|            |            |             | •                       | (Cerastium vulgatum)                    |
| •          |            |             |                         | Ground Ivv (Glechoma                    |
|            |            |             | ·                       | hederacea)                              |
|            |            |             | 1                       | Stitchwort (Stellaria                   |
|            | ļ          |             | }                       | gramminea)                              |
|            |            |             |                         | Knotweed (Polygonum                     |
|            |            |             |                         | aviculare)                              |
|            |            |             |                         | Prostrate Spurge                        |
|            |            |             | }                       | (Euphorbia supina)                      |
|            |            |             |                         | Optimal control will be                 |
|            |            |             |                         | troated in the seedling                 |
|            |            |             |                         | stage (less than 4 leaf                 |
|            | [          |             | [                       | stane 2 inches in height                |
|            |            |             |                         | or 1 inch in diameter).                 |
| BROCLEAN   | 2 Pints    | 0.75 fl. oz | Apply to established    | All weed species previ-                 |
| +          | +          | +           | non-residential turf-   | ously listed in the General             |
| Dicamba    | 0.125 to   | 0.006 to    | grass only. This treat- | Weed List for BROCLEAN                  |
|            | 0.25 lb ai | 0.012 lb ai | ment may cause          | and the following species:              |
|            |            |             | injury to bentgrasses,  | Red Clover (Trifolium                   |
|            | 1          | 1           | St. Augustinegrass,     | pratense)                               |
|            |            |             | centipedegrass, and     | White Clover (Trifolium                 |
|            |            |             | carpetgrass.            | repens)                                 |
|            | ļ          |             |                         | Common Unickweed                        |
|            |            |             |                         | (Sieliana media)                        |
|            |            |             |                         | (Cerastium vulgatum)                    |
|            |            |             |                         | Pennerweed /Lenidium                    |
|            |            | 1           | -<br>-                  | son i                                   |
|            | ,          |             |                         | Knotweed (Polvaonum                     |
|            |            |             |                         | aviculare)                              |
|            | 1          |             |                         | Optimal control will be                 |
|            |            | .           | · ·                     | attained when weeds are                 |
|            |            |             |                         | treated in the seedling                 |
|            |            |             |                         | stage (less than 4 leaf                 |
|            | 1          |             | J .                     | stage, 2 inches in height,              |
|            |            | L           |                         | or 1 inch in diameter).                 |

| Product                               | RATE<br>Per<br>ACRE  | RATE<br>Per 1000<br>SQ.FT.   | CROP  | WEEDS  |
|---------------------------------------|--|--|---|--|
| BROCLEAN<br>+<br>MCPP<br>+<br>Dicamba | 2 Pints<br>+<br>0.5 to<br>1.0 lb ai<br>+<br>0.125 to<br>0.25 lb ai | 0.75 fl. oz.<br>+<br>0.0125 to<br>0.025 lb ai<br>+<br>0.003 to<br>0.006 lb ai  | Apply to established<br>non-residential turf-<br>grass only. This treat-<br>ment is not recom-<br>mended for use on<br>St. Augustinegrass or<br>centipedegrass. | All weed species previ-<br>ously listed in the General<br>Weed List for BROCLEAN<br>and BROCLEAN/<br>Dicamba tank mixtures<br>plus the following species:<br>Dandelion ( <i>Taraxacum</i><br>officinale)<br>Plantains ( <i>Plantago spp.</i> )<br>Optimal control will be<br>attained when weeds are<br>treated in the seedling<br>stage (less than 4 leaf<br>stage, 2 inches in height,<br>or 1 inch in diameter).  |
| BROCLEAN<br>+<br>MCPP<br>+<br>2,4-D   | 2 Pints<br>+<br>0.5 to 1.0<br>Ib ai<br>+<br>0.5 to 1.0<br>Ib ai    | 0.75 fl. oz.<br>+<br>0.0125 to<br>0.025 lb ai<br>+<br>0.0125 to<br>0.025 lb ai | Apply to established<br>non-residential turf-<br>grass only. This treat-<br>ment is not recom-<br>mended for use on<br>St. Augustinegrass or<br>centipedegrass. | All weed species previ-<br>ously listed in the General<br>Weed List for BROCLEAN<br>and BROCLEAN/2,4-D<br>tank mixtures plus the<br>following species:<br>Dandelion ( <i>Taraxacum</i><br>officinale)<br>Plantains ( <i>Plantago spp.</i> )<br>Red Sorrel ( <i>Rumex</i><br><i>acetosella</i> )<br>Knotweed ( <i>Polygonum</i><br><i>aviculare</i> )<br>Optimal control will be<br>attained when weeds are<br>treated in the seedling<br>stage (less than 4 leaf<br>stage, 2 inches in height,<br>or 1 inch in diameter).<br>Optimal control of red<br>sorrell will require the<br>high use rate of 2,4-D or<br>MCPP |

**RESTRICTIONS AND PRECAUTIONS: Tank Mixture Recommendations Non-res**idential turfgrasses

BROCLEAN/WEEDONE® DPC tankmixes are not allowed in California.

. Do not allow livestock to graze in treated areas or feed treated grasses to livestock. . Do not apply BROCLEAN to non-residential turf with backpack or hand-held

application equipment.

Maximum 0.5 lb ai/A per season.

## NON-CROPLAND NON-CROPLAND AND INDUSTRIAL SITES BROCLEAN RECOMMENDATIONS

| Product  | RATE<br>Per<br>ACRE | Per 1000<br>SQ.FT.       | CROP   | WEEDS   |
|----------|---------------------|--------------------------|--|---|
| BROCLEAN | 1 to 2<br>Pints     | 0.375 to<br>0.75 fl. oz. | Apply to non-cropland<br>and industrial sites<br>when weeds have<br>emerged and are<br>actively growing. | Refer to the General<br>Weed List for a listing<br>of susceptible broadleaf<br>weeds. Use adequate<br>spray volumes to ensure<br>thorough coverage.<br>Optimal control will be<br>attained when weeds are<br>treated in the seedling<br>stage (less than 4 leaf<br>stage, 2 inches in height, |

RESTRICTIONS AND PRECAUTIONS: Non-Cropland and Industrial Sites . Do not allow livestock to graze in treated areas or feed treated plant material to livestock.

· Addition of surfactant or crop oil concentrate may improve burndown of broadleaf weeds under cool, dry conditions.

. Do not apply BROCLEAN to non-cropland and industrial sites with backpack or hand-held application equipment.

Maximum 0.5 lb ai/A per season.

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CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PROD-UCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffective-ness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this products label, or use of this product contrary to the label instructions, all of which are beyond the con-trol of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANT-ED IN THIS LABEL, THIS PRODUCT IS SOLD AS IS TO THE EXTENT ALLOWED BY APPLICABLE LAW, LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

IN THE UNLIKELY EVENT THAT BUYER OR USER BELIEVES THAT LOVELAND PRODUCTS, INC. HAS BREACHED A WARRANTY CONTAINED IN THIS LABEL, BUYER OR USER MUST SEND, TO THE EXTENT REQUIRED BY APPLICABLE LAW, WRITTEN NOTICE OF SUCH CLAIM TO THE FOLLOWING ADDRESS: LOVE-LAND PRODUCTS, INC., ATTENTION: LAW DEPARTMENT, 7251 WEST 4TH STREET, GREELEY, CO 80634,

TO THE EXTENT ALLOWED BY APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIA-BILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT BILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAM-AGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT TO THE EXTENT ALLOWED BY APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPE-CIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

- <sup>1</sup> Registered trademark of American Cyanamid Company

- Registered trademark of Bayer AG, Germany
   Registered trademark of Delavan Corporation
   Registered trademark of DowElanco Chemical Company
   Registered trademark of E. I. DuPont DeNemours and Co.
- <sup>6</sup> Registered trademark of FMC Corporation
- <sup>7</sup> Registered trademark of Hoechst-Roussel Agri-Vet Company
- 8 Registered trademark of Monsanto Co.
- 9 Registered trademark of Rhone-Poulenc Ag Company
- 10 Registered trademark of Sandoz Crop Protection Corporation
- 11 Registered trademark of ICI Americas Inc.
- 12 Registered trademark of Ciba-Geigy Corp.

FORMUL ATED FOR



# NEXT

# LABEL



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

> OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Mr. John Tice Manager Registrations Loveland Products, Inc. P.O. Box 1286 Greeley, Colorado 80632-1286 JUL 1 6 2008

SUBJECT: Notification to delete the mention of cancelled pesticide products as "appropriate tank mix partners" and corrects the use of "registered trademarks" throughout the label

EPA Registration Number: 34704-891 Date of Submission: June 19, 2008

Dear Mr. Tice:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated, June 19, 2008, for the product, Broclean. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

## 

Linda Arrington Notifications & Minor Formulations Team Leader Registration Division (7505P) Office of Pesticide Programs 1/18



Performance

Quality

Value .

2/18

June 19, 2008

Document Processing Desk (NOTIF) U. S. Environmental Protection Agency OPP, Registration Division (7504-P) 2777 S. Crystal Drive Arlington, VA 22202

Subject: Notification Change to Broclean, EPA Reg. No. 34704-891

Dear Mr. Tompkins:

This submission is a notification for the product named above. This deletes the mention of cancelled pesticide products as "appropriate tank mix partners" and corrects the use of "registered trademarks" throughout the label. Enclosed are two copies of the revised label.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please contact me if you have any questions, concerns or additional data needs by calling 970-347-1484 or e-mail at <u>JOHN TICE@UAP.COM</u>.

Sincerely,

John T. Tice Manager Registrations Loveland Products, Inc.

Enclosure

|   |    |      |  | 3/18 |
|---|----|------|--|------|
| - | ** | <br> |  |      |

| \$ EPA  | Environmenta<br>Wash   | Agency  | ncy Amendmen<br>✓ Other                               |                                     |                          |  | 1 OPP Identifier Number                                  |  |                  |  |
|---|--|---|---|-------------------------------------|--------------------------|--|--|--|------------------|--|
|   |  | Application   | for Pestici   | de - Sec                            | tion                     | ]  |  |  |                  |  |
| 1. Company/Product Nu<br>34704-891  | mber   |   | 2. EPA<br>Jim To                                      | Product Mar<br>mpkins               | nager                    |  | 3. Pi  | oposed Classificatio                                   | on               |  |
| 4. Company/Product (N<br>Broclean   | ame)   |   | <b>РМ#</b><br>25                                      |                                     |                          |  |  |  |                  |  |
| 5. Name and Address o<br>Loveland Product<br>P.O. Box 1286<br>Greeley, Colorado   | f Applicant <i>(Include ZIP Ci</i><br>s, Inc.<br>9 80632-1286<br>f this is a new address   | ode)  | 6. Exp<br>(b)(i), m<br>to:<br>EPA F                   | edited Rev<br>by product<br>leg. No | v <b>eiw</b> .<br>is sim | In accordance<br>nilar or identica<br><b>NOTI</b><br>JUL         | e with<br>I in co<br>FICA<br>1 6                         | FIFRA Section 3<br>omposition and lat<br>ATION<br>2008 | (c)(3)<br>beling |  |
|   |  | - <u> </u>  | Produ<br>Section - J                                  |                                     |                          |  |  |  |                  |  |
| Notification - Explanation: Use add<br>This notification<br>notification delet<br>the use of "regis   | litional page(s) if necessar<br>is consistent with<br>tes mention of unre-<br>itered trademarks"   | ry. (For section I ar<br>PRN 98-10 II(<br>egistered/cano<br>throughout th | N); "Other<br>celled pest<br>le label.                | Other - Exp<br>changes<br>cides as  | s not                    | related to F<br>propriate ta                                     | FIFR/<br>nk m  | A". This<br>lixes" and corr                            | rects            |  |
| 1 Material This Product   | Will De Deskaged In-   | 5   | Section - II  | 1                                   |                          | · · · · · · · · · · · · · · · · · · ·                            |  | ·····  |                  |  |
| Child-Resistant Packagin<br>Yes<br>Vo<br>* Certification mus<br>be submitted  | The second secon | No. per If<br>container P   | /ater Soluble P<br>Yes<br>✓ No<br>"Yes"<br>ackage wgt | No. per<br>containe                 | r                        | 2. Type of Co  | ntainer<br>Aetal<br>Nastic<br>ilass<br>Yaper<br>Other (S | Specify)   |                  |  |
| J. Location of Net Conte         Image: Content of Net Content         Image: Conten | Ints Information Container I Container   | 4. Size(s) Retail C   | ontainer<br>2.5 gal.<br>d                             | ✓ Othe                              | 5. Lo                    | Booklet Label I<br>Booklet Label I<br>Booklet Lab                | Direction<br>bel on<br>el.                               | bns<br>Jug   |                  |  |
|   |  | Stencied  | ection - IN   | 1                                   |                          |  |  |  | ····             |  |
| I. Contact Point (Comp  | lete items directly below I  | for identification of   | individual to be                                      | contacted,                          | if nec                   | essary, to proce   | ss this  | application.)  |                  |  |
| Name Title John T. Tice Mar   |  |   |   | trations                            | lephon<br>'0-347-        | ne Nos (linclude Area Code)<br>'-1484                            |  |  |                  |  |
| l certify that the s<br>I acknowledge tha<br>both under applics   | tatements I have made on<br>t any knowlinglly false or<br>ble law.   | Certification<br>this form and all a<br>misleading stateme                | ttachments the<br>ont may be pun                      | reto are true<br>shable by fi       | e, accu<br>ine or        | urate and <sup>ເ</sup> ຮັດຫຼັກກໍາ<br>imprisonment or<br>ອີບອີບດີ | eite.  | So Date Application                                    | n<br>)           |  |
| 2. Signature  | >  | 3. Ti   | tte<br>Manager Reg                                    | straitons                           |                          |  |  |  |                  |  |
| . Typed Name  | John T. Tice   | 5. Da   | ite<br>lum  | <u>- 19</u> 20(                     | าก                       |  |  | 0 ( ))<br>600 ()<br>1                                  |                  |  |

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## NOTIFICATION

JUL 16 2008



HERBICIDE FOR THE CONTROL OF CERTAIN BROADLEAF WEEDS IN CORN (FIELD AND POP), SORGHUM (GRAIN AND FORAGE), SUDANGRASS, BARLEY, OATS, RYE, TRITICALE, WHEAT, SEEDLING ALFALFA, FLAX, GARLIC, ONIONS, MINT, GRASSES GROWN FOR SEED AND SOD PRODUCTION, CONSERVATION RESERVE PROGRAM (CRP) AREAS, NON-RESIDENTIAL TURFGRASS, AND NON-CROPLAND/INDUSTRIAL SITES.

**BROCLEAN** 

| ACTIVE INGREDIENT:                   |       |        |
|--------------------------------------|-------|--------|
| Octanoic acid ester of bromoxynil*   |       |        |
| (3,5-dibromo-4- hydroxybenzonitrile) | <br>  | 33.4%  |
| INERT INGREDIENTS**:                 | <br>  | 66,6%  |
|                                      | TOTAL | 100.0% |

\*\* Contains xylene range/petroleum distillates. \* Bromoxynil octanoate equivalent to 22.9% of bromoxynil or not less than 2.0 pounds of bromoxynil per gallon.

# KEEP OUT OF REACH OF CHILDREN WARNING-AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

#### FIRST AID

| If swallowed:         | <ul> <li>Immediately call a poison control center or doctor.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> </ul>  |
|-----------------------|---|
|                       | <ul> <li>Do not give any liquid to the person.</li> </ul>   |
|                       | <ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>   |
| If on skin            | <ul> <li>Take off contaminated clothing.</li> </ul>   |
| or clothing:          | <ul> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> </ul>  |
|                       | <ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>  |
| If in eyes:           | Hold eye open and rinse slowly and gently with water for 15 -20 minutes.  |
|                       | Hemove contact lenses, if present, after the first 5 minutes, then<br>continue rinsing eye.     Call a circle and contex or doctor for treatment advice   |
| If Inhalad            | Maya parson to frash sir  |
| n ninaleu.            | <ul> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>  |
| Line on Management of | a second construction in the local state second construction of the second |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:

1-800-301-7976.

Note to Physician: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

#### EPA REG. NO. 34704-891

#### EPA EST. NO. 51036-GA-1

NET CONTENTS 21/2 GALS. (9.46 L)

120905 V6D 06B08

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want options, follow the instructions for category G on EPA chemical resistance category selection chart. Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants,
  Chemical resistant gloves such as barrier laminate or viton gloves,
- Chemical resistant apron when cleaning equipment,
- Protective evewear
- Chemical resistant headgear for overhead exposure,
- Chemical resistant footwear plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modlifed as specified in the WPS.

If you will handle a total of 60 gallons or more of this product per day, you must use a mechanical transfer system for all mixing and loading operations. If this product is packaged in a 30 gallon drum, you must use a mechanical transfer system which terminates in a drip-free hard coupling which may be used only with a spray or mix tank which has been fitted with a compatible coupling. If you do not presently own or have access to a mechanical transfer system with this type of coupling, contact your dealer for information on how to obtain such a system or to modify your present system. When using a mechanical transfer system, do not remove or disconnect the pump or probe from the container until the container has been emptied and rinsed. The pump or probe system must be used to rinse the empty container and to transfer the rinsate directly to the mixing or spray tank.

To reduce exposure to residues, wash the spray rig, tractor, and all other equipment used to handle or apply this product with water daily or before using the equipment for any other purpose.

APPLICATION BY CHEMIGATION must be done by fixed pipe, overhead sprinkler systems or hand moved pipe. If hand moved pipe is used for chemigation, the pipe must not be handled in any way until 24 hours after chemigation has been completed and residues have been flushed from the system. When applying by chemigation, no person may enter the application site unless in an enclosed vehicle.

DURING AERIAL APPLICATION, human flaggers are prohibited unless in enclosed vehicles. Aerial application is prohibited within 300 feet of residential areas (e.g., homes, schools, hospitals, shopping areas, etc.).

#### USER SAFETY RECOMMENDATIONS

Users should

- Wash hands before eating, drinking, chewing yun, using tobacco ຕ using the toilet.
- Remove clothing immediately if pesticide gets inside. Remove PPE immediately after handling this product.
- Wash the outside of gloves before removing. As shon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

06241

This pesticide is toxic to wildlife and fish. Use with care when applying to areas frequented by wildlife or adjacent to any body of water. For terrestrial uses, do not apply directly to water, or to áreas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment washwaters.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPÈ required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants,
- Chemical resistant gloves such as barrier laminate or viton gloves,
- Chemical-resistant footwear plus socks,

Chemical-resistant headgear for overhead exposure,

Protective eyewear.

#### RETURNABLE --- REFILLABLE CONTAINERS

After use, return the container to the point of purchase or designated locations. This container must only be refilled with BROCLEAN @ Herbicide. DO NOT REUSE THE CON-TAINER FOR ANY OTHER PURPOSE. Prior to refilling, inspect thoroughly for damage such as cracks, punctures, abrasions and damaged or worn out threads on closure devices. Do not refill or transport damaged or leaking containers. Check for leaks after refilling and before transportation. If the container is not being refilled, return it to the point of purchase.

#### GENERAL INFORMATION

BROCLEAN is formulated as an emulsifiable concentrate of octanoic acid ester of bromoxynil containing the equivalent of 2 pounds of bromoxynil per gallon.

BROCLEAN is a selective postemergence herbicide for control of important broadleaf weeds infesting field corn, popcorn, sorghum (grain and forage), barley, oats, rye, triticale, wheat, seedling alfalfa, flax, onions, gartic, mint (established peppermint and spearmint); Conservation Reserve Program (CRP) areas, grasses grown for seed or sod production, non-residential turfgrass, and non-cropland and industrial sites. Optimum weed control is obtained when BROCLEAN is applied to actively growing weed seedlings. BROCLEAN is primarily a contact herbicide, therefore thorough coverage of the weed seedlings is essential for optimum control. BROCLEAN has little residual activity. Therefore subsequent flushes of weeds will not be controlled by the initial treatment. Generally crops that form a good canopy will help shade subsequent weed flushes. However, certain crops or short-straw varieties, for example Yaccora Rojo wheat, may not develop the crop canopy fast enough to shade the subsequent flushes of weeds. Occasional transitory leaf burn may occur. The temporary leaf burn is similar to that seen with liquid fertilizer. Because the activity of BROCLEAN is not systemic, recovery of the crop is generally rapid with no lasting effect. Frequency and amount of leaf burn may be greater when crops are stressed by abrasive winds, cool to cold evening temperatures or mechanical injury, such as that caused by hail, sleet or insect feeding. To reduce the potential for temporary leaf burn, applications should be made to dry foliage in the recommended spray volumes per acre when weather conditions are not extreme.

#### MIXING, LOADING AND HANDLING INSTRUCTIONS

#### 2.5 Gallon Containers

It is strongly recommended that special care be taken in mixing and loading this product. Hands should be placed on the container in such a way as to avoid possible drip or splash.

## 30 Gallon and Bulk Containers

If you will handle a total of 60 gallons or more of this product per day, you must use a mechanical transfer system for all mixing and loading operations. If this product is packaged in a 30 gallon drum, you must use a mechanical transfer system which terminates in a drip-free hard coupling which may be used only with a spray or mix tank which has been fitted with a compatible coupling. If you do not presently own or have access to a mechanical transfer system which this type of coupling, contact your dealer for information on how to obtain such a system or to modify your present system. When using a mechanical transfer system, do not remove or disconnect the pump or probe from the container until the container has been emptied and rinsed. The pump or probe system must be used to rinse the empty container and to transfer the rinsate directly to the mixing or spray tank.

BROCLEAN ALONE: Fill the spray tank ½ to ¾ full with clean water. Begin agitation and add the recommended amount of BROCLEAN. Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application.

TANK MIXTURES: BROCLEAN can be applied in tank mixture with many other herbicides and insecticides registered for use on approved crops. Refer to the specific crop section for rate recommendations and other restrictions. To apply BROCLEAN in mixture with another product, fill the spray tank ½ to ¾ full with clean water and begin agitation. It tankmixing with wetable powder, soluble powder, flowable or dry flowable products, add the powder or flowable product first. After the other herbicide is thoroughly mixed with water add the recommended amount of BROCLEAN and add water to the spray tank to the desired level. If tankmixing with other product types, add the BROCLEAN first before adding the other product. Always mix one product in water thoroughly before adding another product or compatibility problems may occur. Never mix two products together without first mixing in water.

Maintain sufficient agitation while mixing and during application to ensure a uniform spray mixture. If spray mixture is allowed to remain without agitation for short periods of time, be sure to agitate until uniformly mixed before application.

#### COMPATIBILITY OF INSECTICIDES WITH BROCLEAN

The following foliar insecticides are compatible with BROCLEAN as tank mixtures.

| INSECTICIDE<br>COMMON NAME | TRADE NAME  | FORMULATION                           |
|----------------------------|-------------|---------------------------------------|
| Diazinon                   | Various     | Emulsifiable Concentrate              |
| Dimethoate                 | Various     | Emulsifiable Concentrate              |
| Trichlorfon                | Dylox®      | Soluble Powder                        |
| Carbofuran.                | Furadan®    | Flowable                              |
| Chlorpyrifos               | Warhawk®    | Emulsifiable Concentrate              |
| Malathion                  | Various     | Emulsifiable Concentrate              |
| Oxydemeton-methyl          | MSR®        | Sprayable Concentrate                 |
| Permethrin                 | Pounce®     | Emulsifiable Concentrate              |
| Carbaryl                   | Carbaryl 4L | Sprayable wettable powder or Flowable |

If tank mixing with products other than listed above or within each crop section, a compatibility test is recommended to ensure satisfactory spray preparation. To test for compatibility, use a small container and mix a small amount (0.5 to 1 quart) of spray, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually will appear within 5 to 15 minutes after mixing. To ensure maximum crop safety and weed control, follow all cautions and limitations on this label and the labels of products used in the tank mixture with BROCLEAN.

#### SPRAYABLE LIQUID FERTILIZERS AND SPRAY ADDITIVES

BROCLEAN can be applied in combination with sprayable liquid fertilizer or spray additives such as surfactants or crop oil concentrate.

When tankmixing with liquid fertilizer always add the fertilizer to the spray tank first and agitate thoroughly before adding BROCLEAN. Always predetermine the compatibility with liquid fertilizer by mixing small proportional quantities in advance. Agitation must be maintained during filling and application operations to ensure that BROCLEAN is evenly mixed with the fertilizer. Leaf.burn may occur when BROCLEAN is applied with liquid fertilizer, but new leaves are not adversely affected.

CAUTION: Fertilizers and spray additives can increase foliage leaf burn when applied with BROCLEAN. Do not apply fertilizers or spray additives with BROCLEAN if leaf burn is a major concern due to environmental conditions, crop or variety sensitivity to BRO-CLEAN. Do not apply BROCLEAN in combination with fertilizer or spray additives if restricted under the individual crop use directions.

#### APPLICATION PROCEDURES

BROCLEAN can be applied to registered use areas by ground, aerial and sprinkler irrigation equipment. The following provides recommended methods of application for each crop.

| TYPE OF APPLICATION EQUIPMENT |  |   |  |  |  |  |  |  |
|-------------------------------|--|---|--|--|--|--|--|--|
|                               |  | SPRINKLER   |  |  |  |  |  |  |
| GROUND                        | AERIAL   | IRRIGATION  |  |  |  |  |  |  |
| X                             | X  | X   |  |  |  |  |  |  |
| <u> </u>                      | <u> </u>   | <u> </u>  |  |  |  |  |  |  |
|                               |  |   |  |  |  |  |  |  |
| X                             | X  | . X   |  |  |  |  |  |  |
| X                             | X  | X   |  |  |  |  |  |  |
| X                             | X .  |   |  |  |  |  |  |  |
|                               | <u> </u>   | <u> </u>  |  |  |  |  |  |  |
| X                             |  | X   |  |  |  |  |  |  |
|                               |  | X   |  |  |  |  |  |  |
|                               |  |   |  |  |  |  |  |  |
| х                             | х  | X   |  |  |  |  |  |  |
|                               |  |   |  |  |  |  |  |  |
| х                             | х  | Х   |  |  |  |  |  |  |
| X                             | X  |   |  |  |  |  |  |  |
| X.                            | X  |   |  |  |  |  |  |  |
|                               | TYPE C<br>GROUND<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X | TYPE OF APPLIC<br>GROUND AERIAL<br>X X<br>X X<br>X X<br>X X<br>X X<br>X X<br>X X<br>X |  |  |  |  |  |  |

maillares recommended application t

#### GROUND APPLICATION

Use a standard herbicide boom sprayer that provides uniform and accurate application. Sprayer should be equipped with screens no finer than 50 mesh in the nozzle tips and in-line strainers.

Select a spray volume and delivery system that will ensure thorough and uniform spray coverage. For optimum spray distribution and thorough coverage, use of flat fan nozzles (maximum tip size 8008) with a minimum spray pressure of 40-60 psi are recommended. Other nozzle types and lower spray pressures that produce coarse spray droplets may not provide adequate coverage of the weeds to ensure optimum control. Raindrop® nozzles are not recommended as weed control with BROCLEAN may be reduced. In general a spray volume of 10 to 20 gallons per acre (GPA) is recommended for optimum spray coverage. A minimum of 5 GPA with a minimum spray pressure of 50 psi and a maximum ground speed of 10 mm be used with higher speed, low volume ground application if ground terrain, crop and weed density allow effective spray distribution.

When using higher speed equipment a maximum speed of 10 mph is suggested if field conditions cause excessive boom movement a maximum speed of 10 mph is suggested if field conditions cause excessive boom movement during application which results in poor spray coverage. Ground applications made when dry, dusty field conditions exist may provide reduced weed control in wheel track areas. Applications using less than 10 gallons per acre may result in reduced weed control.

When weed infestations are heavy, use of higher spray volumes and spray pressure will be helpful in obtaining uniform weed coverage. When corn or grain sorghum are large enough to interfere with the spray pattern, drop nozzles should be used to obtain uniform weed coverage. If you are unsure of the infestation level or the size of the crop, consult your local extension service.

Do not apply when winds are gusty or when other conditions favor poor spray coverage and/or off-target spray movement.

#### AERIAL APPLICATION

Use orifice discs, cores and nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage. In general a minimum spray volume of 5 GPA and a maximum pressure of 40 psi are recommended.

Do not apply during inversion conditions, when winds are gusty or when other conditions favor poor spray coverage and/or off target spray movement. Off target spray movement can be minimized by increasing the spray volume per acre and not applying when winds exceed 10 mph

#### SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 34 the length of the wingspan or rotor.

2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

#### Importance of Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversion section of this label).

#### **Controlling Droplet Size**

Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy protection. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of nozzles - Use the minimum number of nozzles that provide uniform coverage. Nozzle Orientation - Orienting nozzles so that the spray is released backwards, parallel to the airstream will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.

Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types

Boom Length - For some use patterns, reducing the effective boom length to less than 34 of the wingspan or rotor length may further reduce drift without reducing swath width. Application - Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

#### Swath Adjustment

When applications are made with a cross-wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

#### Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, Application should be avoided below 2 mph due to variable wind direction and high inversion potential. Note: Local terrain can influence wind patterns. Every applicator should be . familiar with local wind patterns and how they affect drift.

#### Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

#### Temperature Inversions

Application should not occur during a temperature inversion, because drift potential is

high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that lavers and moves laterally in a connected cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

#### Sensitive Areas

The pesticides should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Ensure uniform application - to avoid streaked, uneven or overlapped application, use appropriate marking devices.

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills.

#### Boom Equipment

For control of weed or brush species listed in this label using conventional boom equipment - Use the recommended rates of this product and surfactant in 3 to 30 gallons of water per acre as a broadcast spray, unless otherwise specified. See the "WEEDS CON-TROLLED" section of this label for specific rates. As density of vegetation increases, spray volume should be increased within the recommended range to ensure complete coverage. Carefully select correct nozzle to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets

#### SPRINKLER IRRIGATION APPLICATION

BROCLEAN can be applied through sprinkler irrigation systems to barley, oats, rye, triticale, wheat, field corn, popcorn, and grain sorghum, onions, mint, grasses grown for seed or sod production, garlic, Conservation Reserve Program (CRP) areas and seedling alfalfa

Apply BROCLEAN through sprinkler systems including center pivot, lateral move, side (wheel) roll, solid set or hand move irrigation systems only. If hand moved pipe is used for chemigation, the pipe must not be handled in any way until 24 hours after chemigation has been completed and residues have been flushed from the system. When apply-ing by chemigation, no person may enter the application site unless in an enclosed vehicle. Do not apply this product through any other type of irrigation system.

#### Specific Requirements For Application Through Automated Sprinkler Irrigation System

- The system must contain a functional check valve, vacuum relief valve, and low 1. pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, guick-2 closing check valve to prevent the flow of fluid back toward the injection pump.
- З. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down
- The system must contain functional interlocking controls to automatically shut off 4. the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which 5. will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection 6 pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment
- Agitation is recommended in the pesticide supply tank when applying the 8 BROCLEAN.
- 9 BROCLEAN should be applied continuously for the duration of the water application with center pivot and continuous lateral move systems. Application of BROCLEAN should be made during the last 30-45 minutes of the irrigation set with other overhead sprinkler systems.
- For best performance, set the sprinkler system to deliver approximately 0.5 inch or 10. less of water per acre.
- Remove scale, pesticide residues and other foreign matter from the supply tank and 11. entire injector system. Flush with clean water.
- entire injector system. Fusin with clean water. If BROCLEAN is diluted in the supply tank, fill the tank with half of the water amount desired, add the BROCLEAN and then add remaining water amount with agitation. Always dilute with at least 4 parts water to 1 part BROCLEAN. Start the sprinklers and then inject BROCLEAN into the irrigation line. BROCLEAN 12.
- 13. should be injected with a positive displacement pump into the main line at least 8 feet ahead of a right angle turn to insure adequate mixing. Refer to the BROCLEAN label for detailed information on application rates and timinas.

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## **BROCLEAN®**

## EPA REG, NO, 34704-891

#### CHEMIGATION USER PRECAUTIONS

Application of more than 0.5 inch/acre of irrigation water may result in decreased product performance on certain soils

Do not apply when conditions favor drift, when system connections or fittings leak, or when nozzles do not provide uniform distribution.

Allow sufficient time for pesticide to be flushed through all the lines and nozzles before turning off irrigation water.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

Do not connect an irrigation system used for pesticide application to a public water system.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

A person knowledgeable of the chemigation system and responsible for its operations, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

#### CULTIVATION

When properly utilized, timely cultivations of row crops may aid overall weed control efforts as well as crop growth. However, cultivation BEFORE or DURING BROCLEAN applications may place target weeds under stress, resulting in erratic weed control. Whenever BROCLEAN is being utilized in an overall weed control program, plan to postpone any anticipated cultivations until 5-7 days after application to ensure best performance.

#### GENERAL WEED LIST

Postemergence application of BROCLEAN will control the following weeds when sprayed in the seedling stage. Maximum weed stage of growth is listed under RECOM-MENDED USES for each crop.

> MOST SUSCEPTIBLE BROADLEAF WEED SPECIES Annual Sowthistle (Sonchus oleraceus) Black Nightshade (Solanum nigrum) Blue Mustard (Chorispora tenella) Bristly Starbur (Acanthospermum hispidum) Coast Fiddleneck (Amsinckia intermedia) Common Cocklebur (Xanthium strumarium) Common Lambsquarters (Chenopodium album) Common Tarweed (Hemizonia congesta) Cutleaf Nightshade (Solanum triflorum) Eastern Black Nightshade (Solanum ptycanthum) Field Pennycress (Thlaspi arvense) Green Smartweed (Polygonum scabrum) Hairy Nightshade (Solanum sarachoides) Jimsonweed (Datura stramonium) Ladysthumb (Polygonum persicaria) Lanceleaf sage (Salvia reflexa) Pennsylvania Smartweed (Polygonum pensylvanicum) Pepperweed spp. (annual) (Lepidium spp.) Shepherdspurse (Capsella bursa-pastoris) Silverleaf Nightshade (Solanum elaeagnifolium) Tartary Buckwheat (Fagopyrum tatoricum) <sup>1</sup>Sunflower (Helianthus annus) Wild Buckwheat (Polygonum convolvulus)

<sup>1</sup>For control of sunflower, delay application until first emerging sunflower seedlings are 4 inches in height.

> SUSCEPTIBLE BROADLEAF WEED SPECIES Buffalobur (Solanum rostratum) Burcucumber (Sicyos angulatus) Common Groundsel (Senecio vulgaris) Common ragweed (Ambrosia artemisiitolia) Corn Chamomile (Anthemis arvensis) Corn Gromwell (Lithospermum arvense) Cow Cockle (Saponaria vaccaria) Giant Ragweed (Ambrosia trilida) Hemp Sesbania (Sesbania exaltata) Ivyleaf morningglory (Ipomoea hederacea) Knawel (Scleranthus annus) <sup>2</sup>Kochia (Kochia scoparia) London Rocket (Sisymbrium ino) Mayweed (Anthemis cotula) Pitted morningglory (Ipomoea lacunosa) Prostrate Knotweed (Polygonum aviculare) Puncturevine (Tribulus terrestris) <sup>2</sup>Redroot Pigweed (*Amaranthus retroflexus*) Russian Thistle (*Salsola kali*) 2Spiny Pigweed (Amaranthus spinosus) Tall Morningglory (Pomoea purpurea) <sup>2</sup>Tall Waterhemp (Amaranthus tuberculatus) Tumble mustard (Sisymbrium altissimum) Velvetleaf (Abutilon theophrasti)

Venice Mallow (Hibiscus trionum) Wild Mustard (Sinapis arvensis) Wild Radish (Raphanus raphanistrum) Yellow Starthistle (Centaurea solstitialis)

<sup>2</sup>For effective control, these weeds should not exceed the 4 leaf stage or 2 inches in height, whichever comes first,

#### WEED SUPPRESSION

BROCLEAN suppresses the growth of Canada thistle (Cirsium arvense) by burning down top growth. Regrowth may occur.

#### CALIFORNIA REGISTRATIONS

Only the following recommendations referenced in this label are registered for use in California: seedling alfalfa, small grains (wheat, barley, oats, rye and triticale), flax, corn (post emergence application only), sorghum (post emergence application only), onions, garlic; chemigation in seedling alfalfa, barley, oats, rye, triticale, wheat, onions and garlic; 2,4-D and MCPA tank mixtures in barley, oats, rye, triticale, wheat, others and game, tank mixtures in corn and sorghum; 2,4-DB tank mixture in seeding attalfa; grass for seed and sod production, non-residential turfgrass; and non-cropland and industrial sites. All applications must be made with a minimum spray volume of 10 GPA by ground or 5 GPA by air equipment.

#### SPECIFIC CROP RECOMMENDATIONS

#### CEREAL GRAIN CROPS

Corn (Field and Pop), Sorghum (Grain and Forage) and Sudangrass Wheat, Barley, Oats, Rye and Triticale

FORAGE, FIBER AND SPECIALTY CROPS

Alfalfa (Seedling) Flax

Garlic

Mint (Established Peppermint and Spearmint) Onions

#### GRASS CROPS

Conservation Reserve Program (CRP) Areas Grass Grown for Seed or Sod Production Non-Residential Turfgrass

NON-CROPLAND Noncropland and Industrial Sites

# CEREAL GRAIN CROPS CORN (FIELD AND POP), SORGHUM (GRAIN AND FORAGE) AND SUDANGRASS BROCI EAN BECOMMENDATIONS

|     | APPLICATION TIMING AND SPECIFIC COMMENTS |                  |                  |  |  |  |  |  |  |  |
|-----|--|------------------|------------------|--|--|--|--|--|--|--|
| CT  | RATE                                     | CROP             | WEEDS            |  |  |  |  |  |  |  |
| EAN | Preemergence                             | Apply to corn or | See CORN AND SO  |  |  |  |  |  |  |  |
|     | 1-11/2 pints/A                           | sorghum before   | APPLICATION RATE |  |  |  |  |  |  |  |

| PRODUCT  | RATE                         | CROP  | WEEDS  |
|----------|------------------------------|---|--|
| BROCLEAN | Preemergence<br>1-1½ pints/A | Apply to corn or<br>sorghum before<br>planting until just<br>prior to crop<br>emergence.  | See CORN AND SORGHUM<br>APPLICATION RATE TABLE -<br>BROCLEAN for list of weeds<br>and corresponding stages of<br>growth that are controlled by   |
|          | 1 pint/A                     | Apply to corn after<br>emergence but<br>prior to tassel<br>emergence.   | BROCLEAN at recommended<br>rates of application. For con-<br>trol of additional weeds not<br>listed in the rate table see the<br>General Weed List.  |
|          |                              | Apply to sorghum<br>and sudangrass<br>between the 3 leaf<br>stage but prior to<br>the preboot stage<br>(growth stage 4).  |  |
|          | 1½ pints/A                   | Apply to corn<br>between the 4 leaf<br>stage and prior to<br>tassel emergence.  |  |
|          |                              | Apply to sorghum<br>and sudangrass<br>between the 4 leaf<br>stage and prior to<br>preboot stage<br>(growth stage 4).  |  |
|          | 2 pints/A                    | Apply to field corn<br>only between the<br>4 leaf stage but<br>prior to tassel<br>emergence.<br>WARNING: DO<br>NOT APPLY THE<br>2 PINTS/A RATE<br>OF BROCLEAN<br>ALONE OR IN<br>TANK MIXTURES<br>TO SORGHUM | Use the 2 pints/A rate on corn<br>to control susceptible weeds<br>that are growing under less<br>than optimum conditions and<br>where BROCLEAN + atrazine<br>tank mixtures cannot be used. |

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| PRODUCT  | RATE           | CROP                 | WEEDS                          |
|----------|----------------|----------------------|--------------------------------|
| BROCLEAN | Chemigation    | Apply to corn after  | Apply to MOST SUSCEPTI-        |
|          | 2 pints/A only | emergence but        | BLE broadleaf weeds up to      |
|          |                | prior to tassel      | the 8 leaf stage or 4 inches   |
|          | •              | emergence.           | in height or 2 inches in       |
|          | 1              |                      | diameter, whichever comes      |
|          |                | Apply to sorghum     | first. Apply to SUSCEPTIBLE    |
|          |                | and sudangrass       | broadleaf weeds up to the 4    |
|          |                | after emergence      | leaf stage, 2 inches in height |
|          |                | but prior to preboot | or 1 inch in diameter, which   |
|          |                | stage (growth        | ever comes first. Do not use   |
|          | {              | stage 4).            | chemigation for control of     |
|          |                |                      | weeds that exceed 4 inches     |
|          | 1              | Apply through        | in height because control      |
| •        |                | automated sprinkler  | may be unacceptable.           |
|          | 1              | irrigation systems   |                                |
|          |                | with a mechanical    | -                              |
|          | 1              | transfer loading     |                                |
|          |                | system only. See     |                                |
|          | 1              | MIXING, LOADING      |                                |
|          |                | AND MANULING         |                                |
|          | 1              | INSTRUCTIONS         | 1                              |
|          | 1.             | section for complete |                                |

#### CORN AND SORGHUM APPLICATION RATE TABLE - BROCLEAN

| WEED SPECIES 1                 |   | - 1   | Pint/A    | 11/2 to 2 Pints/A 4 |           |  |  |
|--------------------------------|---|-------|-----------|---------------------|-----------|--|--|
|                                |   | Max.  | Max. Weed | Max.                | Max. Weed |  |  |
| When determining               | leaf stage, count                       | Leaf  | Height    | Leaf                | Height    |  |  |
| all leaves except co           | otyledonary leaves                      | Stage | (inches)  | Stage               | (inches)  |  |  |
| Black Nightshade               | (Solanum nigrum)                        | 6     | 6         | 6                   | 6         |  |  |
| Buffalobur                     | (Solanum rostratum)                     | 4     | 2         | 6                   | 4         |  |  |
| Burcucumber                    | (Sicyos angulatus)                      | •     | -         | 4                   | 4         |  |  |
| Common                         | (Xanthium strumarium)                   | 6     | 8         | в                   | 10        |  |  |
| Cockedur                       | (Chanenadium album)                     |       |           |                     | •         |  |  |
| Lambsquarters                  | (Chenopoqium abum)                      | •     | .0        | -                   | 0         |  |  |
| Common Ragweed                 | (Ambrosia artemisiifolia)               | 6     | 4         | 8                   | 6         |  |  |
| Eastern Black                  | (Solanum ptycanthum)                    | 6     | 6         | 6                   | 6         |  |  |
| Nightshade                     | (Amhmaia trifida)                       | c     |           | c                   | 6         |  |  |
| Giani Hagweed                  | (Ambrosia imida)<br>(Seebaaia evoltata) | 0     | 4         | 0<br>4              | 0         |  |  |
| helpot                         | (Sesbarila examala)                     | -     | -         | 4                   | 4         |  |  |
| Momingglory                    | (протнова перегасва)                    | 3     | 3         | 4                   | 4         |  |  |
| Jimsonweed                     | (Datura stramonium)                     | 4     | 4         | • 6                 | 6         |  |  |
| Kochia                         | (Kochia scoparia)                       | -     | -         |                     | 2         |  |  |
| Ladysthumb                     | (Polygonum persicaria)                  | 4     | 4         | 6                   | 6         |  |  |
| Pennsylvania<br>Smartweed      | (Polygonum<br>pensvlvanicum)            | 4     | 4         | 6                   | 6         |  |  |
| Pitted                         | (Ipomoea lacunosa)                      | 3     | 3         | 4                   | 4         |  |  |
| Morninggiory                   | (American three entroller up)           |       |           |                     | <u>^</u>  |  |  |
| Rearool Pigweed 3              | (Amaraninus reironexus)                 | •     | -         | 4                   | 2         |  |  |
| Spiny Pigweed •                | (Amarannus spinosus)                    |       | -         | 4                   | 2         |  |  |
| Sunnower<br>Tall Manningalog ( | (newanings anings)                      | 4     | 0         | 0                   |           |  |  |
| Tall Wotorborn 3               | (Ipomoea purporea)                      | 3     | 3         | 4                   | 4         |  |  |
| vai watememp •                 | (Arnaraninus<br>tuberculatus)           | -     | -         | 4                   | 2         |  |  |
| Velvetleaf                     | (Abutilon theophrasti)                  | 4     | з         | 6                   | 5         |  |  |
| Venice Mallow                  | (Hibiscus trionum)                      | -     | -         | 4                   | 2         |  |  |
| Wild Buckwheat                 | (Polygonum                              | 4     | 6         | 6                   | 8 ´       |  |  |
| Wild Mustard                   | (Sinapis arvensis)                      | -     | -         | 4                   | 4         |  |  |

#### WEEDS SUPPRESSED 2

8 inch to bud stage

 Canada Thistle
 (Cirsium arvense)
 Not Recommended
 8 inch to bud s

 <sup>1</sup> When determining leaf stage, count all leaves except cotyledonary leaves.
 2
 BROCLEAN suppresses the growth by burning down of top growth. Regrowth

<sup>3</sup> Control of pigweeds in the high plains areas of Texas and Oklahoma may not be satisfactory with BROCLEAN. Repeat applications may be necessary to achieve satisfactory control.

<sup>4</sup> Do not apply BROCLEAN at the 2 pints/A rate to sorghum.

BROCLEAN TANK MIXTURE RECOMMENDATIONS APPLICATION TIMING AND SPECIFIC COMMENTS

| PRODUCT  | RATE                   | CROP                 | WEEDS                           |
|----------|------------------------|----------------------|---------------------------------|
| BROCLEAN | Premergence            | Apply to corn or     | See CORN AND SORGHUM            |
| +        | 1 74-1 72 pints/A      | sorgnum belore       |                                 |
| arazine  | +<br>1/ +1/- 15 - 51/A | planung unu jusi     |                                 |
|          | 1 12-1 15 ID al/A      | prior to crop        | TAINK MIX TORES for list of     |
|          | 27 1                   | emergence.           | weeds and corresponding         |
|          | %-T pinuA              | Apply to corn aller  | stages of growth that are       |
|          | +                      | emergence but        | CONTROLLED BY BRUCLEAN +        |
|          | 1/2-1 1/5 1D al/A      | Defore corn is 12    | Atrazine tank mixtures at rec-  |
|          |                        | inches tall.         | ommended rates of applica-      |
|          | 1                      |                      | tion. For control of additional |
|          |                        | Apply to sorghum     | weeds not listed in the rate    |
|          | 1                      | after the 3 leaf     | table see the General Weed      |
|          | (                      | stage but prior to   | List.                           |
|          |                        | the preboot stage    |                                 |
|          | 1                      | (growth stage 4) or  |                                 |
|          |                        | 12 inches in height, | 1                               |
|          | 1                      | whichever comes      |                                 |
|          |                        | first.               |                                 |
|          | 11/2 pints/A           | Apply to corn        |                                 |
|          | +                      | between the 4        |                                 |
|          | 1/2-11/5 lb ai/A       | leaf stage and       |                                 |
|          |                        | before corn is 12    |                                 |
|          |                        | inches tall.         |                                 |
|          |                        |                      |                                 |
|          |                        | Apply to sorghum     |                                 |
|          |                        | between the 4 leaf   |                                 |
|          | J                      | stage but prior to   | 1                               |
| ÷        |                        | the preboot stage    |                                 |
|          | 1                      | (growth stage 4) or  | · ·                             |
|          |                        | 12 inches in height, |                                 |
|          |                        | whichever comes      |                                 |
|          | 1                      | firet                | í                               |

ATRAZINE TANK MIX RESTRICTIONS

Atrazine is a Restricted Use Herbicide. Due to ground water concerns, users must read and follow all precautionary statements and instructions on the atrazine label in order to minimize the potential for atrazine to reach ground water.

## **BROCLEAN®**

## EPA REG. NO. 34704-891

CORN AND SORGHUM APPLICATION RATE TABLE -BROCLEAN + ATRAZINE TANK MIXTURES

| WEED SPECIES 1  |                      |                     |                      |                     | BROCL                | EAN ANI             | D ATRAZ              | NE RATI             | E (TANK              | MIX)                |                      | _                   |  |
|---|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|--|
| · · · · ·   | % Pi                 | nt/A                | % Pin                | /A                  | 1 Pin                | VA AV               | 1 Pint/              | Ά                   | 1½ Pi                | ints/A              | 1½ Pi                | nts/A               |  |
|   |                      | +                   | +                    |                     |                      | F                   | +                    |                     | +                    |                     |                      | +                   |  |
|   | ½ lb                 | ai/A                | 115 lb               | ei/A                | ½ lb i               | ai/A                | 11/5 lb              | ai/A                | ½ lb a               | ai/A                | 11/5 16              | ai/A                |  |
| When determining leaf stage, count all leaves except cotyledonary leaves. | MAX<br>LEAF<br>STAGE | MAX<br>WEED<br>HGT. |  |
| Black Nightshade (Solanum nigrum)   | 4                    | 4                   | 4                    | 4                   | 6                    | 6                   | 6                    | 6                   | 6                    | 6                   | 6                    | 6                   |  |
| Buffalobur (Solanum rostratum)  | 4                    | · 4                 | 4                    | 4                   | 6                    | 4 '                 | 6                    | 4 ·                 | 6                    | 4                   | 6                    | 4                   |  |
| Burcucumber (Sicyos angulatus)  | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   | 6                    | 6                   | 6                    | 6                   | 6                    | 6                   |  |
| Common Cocklebur (Xanthium strumarium)                                    | 6                    | 8                   | 8                    | 10                  | 8                    | 10                  | 10                   | 12                  | 10                   | 12                  | 10                   | 12                  |  |
| Common Lambsquarters (Chenopodium album)                                  | -                    | 6                   | •                    | 10                  | •                    | 10                  | -                    | 12                  | -                    | 12                  | •                    | 12                  |  |
| Common Ragweed (Ambrosia artemisiifolia)                                  | 6                    | 4                   | 8                    | 6                   | 8                    | 6                   | 8                    | 6                   | 8                    | 6                   | 8                    | 6                   |  |
| Eastern Black Nightshade (Solanum ptycanthum)                             | 4                    | 4                   | 4 .                  | 4                   | 6                    | 6                   | 6                    | 6                   | 6                    | 6                   | 6                    | 6                   |  |
| Entireleaf Morningglory (Ipomoea hederacea)                               | -                    |                     | 4                    | 3                   | 4                    | з                   | 4                    | 3                   | 4                    | 3                   | 4                    | 3                   |  |
| Giant Ragweed (Ambrosia trifida)  | 4                    | 6                   | 6                    | 8                   | 6                    | 8                   | 6                    | 8                   | 8                    | 10                  | 8                    | 10                  |  |
| Hemp Sesbania (Sesbania exaltata)   | 4                    | 4                   | • 4                  | 4                   | 4                    | 4                   | 4                    | 4                   | 4                    | . 4                 | 4                    | 4                   |  |
| lvyleaf Morningglory (Ipomoea hederacea)                                  | з                    | 3                   | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   |  |
| Jimsonweed (Datura stramonium)  | 4                    | 4                   | 4                    | · 4                 | 6                    | 6                   | 6                    | 6                   | 6                    | 6                   | 6                    | 6                   |  |
| Kochia (Kochia scoparia)  | -                    | 2                   | -                    | 2                   | •                    | 2                   | •                    | 2                   | -                    | 4                   | •                    | 4 .                 |  |
| Ladysthumb (Polygonum persicaria)   | 4                    | 4                   | 4.                   | 4                   | 6                    | 6                   | 8                    | 8                   | 8                    | 8                   | 6                    | 8                   |  |
| Marestail (Conyza canadensis)   | -                    | -                   | -                    | 3                   | •                    | 5                   | -                    | 5                   | -                    | 5                   | -                    | 5                   |  |
| Palmleaf Morningglory (Ipomoea wrightii)                                  | -                    | -                   | 4                    | 3                   | 4                    | з                   | 4                    | 3                   | 4                    | 8                   | 4                    | З.                  |  |
| Pitted Morningglory (Ipomoea lacunosa)                                    | з                    | 3                   | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   | 4                    | 3                   | 4                    | 4                   |  |
| Pennsylvania Smartweed (Polygonum pensylvanicum)                          | 4                    | 4                   | 4.                   | 4                   | 6                    | 6                   | 8                    | 8                   | 8                    | 4                   | 8                    | 8                   |  |
| Pokeweed (Phytolacca americana)   | -                    | -                   | 4                    | 4                   | 6                    | 6                   | 6                    | 6                   | 6                    | 6                   | 6                    | 6                   |  |
| Prickty Sida (Sida spinosus)  | -                    | -                   | 6                    | 2                   | 4                    | 1                   | 6                    | 2                   | 4                    | 1                   | 6                    | 2                   |  |
| Puncturevine (Tribulus terrestris)  | -                    | -                   | -                    | •                   | · · .                | •                   | 6                    | 4                   | 6                    | 4                   | 6                    | 4                   |  |
| Purple Morningglory (Ipomoea muricata)                                    | -                    | •                   | 2                    | 3                   | 2                    | 3                   | 2                    | 3                   | 2                    | 3                   | 2                    | 3                   |  |
| Redroot Pigweed 3 (Amaranthus retroflexus)                                | 4                    | 2                   | 8                    | 6                   | 6                    | 4                   | 8                    | 6                   | 6                    | 4                   | 8                    | 6                   |  |
| Smallflower Momingglory (Jacquemontia tamnifolia)                         | ·-                   | •                   | 4                    | 3                   | 4                    | 3                   | 4                    | 3                   | 4                    | 3                   | 4                    | 3                   |  |
| Smooth Pigweed 3 (Amaranthus hybridus)                                    | 4                    | 2                   | 6                    | 4                   | 4                    | 2                   | 6                    | 4                   | 6                    | 4                   | 6                    | 4                   |  |
| Spiny Pigweed 3 (Amaranthus spinosus)                                     | 4                    | 2                   | 8                    | 6                   | 6                    | 4                   | 8                    | 6                   | 6                    | 4                   | 8                    | 6                   |  |
| Sunflower (Helianthus annus)  | 6                    | 8                   | 8                    | 10                  | 8                    | 10                  | 10                   | 12                  | 10                   | 12                  | 10                   | 12                  |  |
| Tall Morningglory (Ipomoea purpurea)                                      | з                    | 3                   | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   |  |
| Tall Waterhemp (Amaranthus tuberculatus)                                  | 4                    | 2                   | 8                    | 6                   | 6                    | 4                   | в                    | 6                   | 6.                   | 4                   | 8                    | 6                   |  |
| Toothed Spurge (Euphorbia dentata)  | 2                    | 2                   | 2                    | 2                   | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   |  |
| Velvetleaf (Abutilon theophrasti)   | 4                    | 3                   | 4                    | 3                   | 6                    | 5                   | 6                    | 5                   | 8                    | 6                   | 8                    | 6                   |  |
| Venice Mallow (Hibiscus trionum)  | 4                    | 2                   | 4                    | 2                   | 4                    | 2                   | 4                    | 2                   | 4                    | 2                   | 4                    | 2                   |  |
| Wild Buckwheat (Polygonum convolvulus)                                    | 6                    | в                   | 8                    | · 10                | 8                    | 10                  | 10                   | 12                  | 10                   | 12                  | 10                   | 12                  |  |
| Wild Mustard (Sinapis arvensis)   | 4                    | 4                   | 4                    | 4                   | 4                    | .4                  | 4                    | 4                   | 4                    | 4                   | 4                    | 4                   |  |
| WEEDS SUPPRESSED 2  |                      |                     |                      |                     |                      |                     |                      |                     |                      |                     |                      |                     |  |
| Canada thistle (Cirsium arvense)  | Not Recon            | mended              | Not Recom            | mended              | 8"-                  | bud                 | 8"-b                 | bud                 | 8"-1                 | bud                 | 8"-                  | bud                 |  |

<sup>1</sup> When determining leaf stage, count all leaves except cotyledon leaves.

 Selected rates of BROCLEAN + atrazine tank mixtures suppress the growth by burning down of top growth. Regrowth may occur.
 If pigweeds (*Amaranthus* sp.) present in the field to be treated have been identified as triazine resistant biotypes, use BROCLEAN at 1½ pints/A in a tank mixture with atrazine at 1/2 or 11s lb ai/A. Applications should be made when pigweeds do not exceed the 4-leaf stage and 2 inches in height. Control of pigweeds in the high plains areas of Texas and Oklahoma may not be satisfactory with BROCLEAN + atrazine tank mixtures. Repeat applications may be necessary to achieve satisfactory control.

| ATRAZINE CONVERSION TABLE <sup>1/</sup> |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| ATRAZINE                                | ATRAZINE RATE<br>POUNDS OF ACTIVE<br>INGREDIENT PER ACRE | ATRAZINE<br>FORMULATION<br>RATE PER ACRE |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
| Atrazine 4L                             | 1/2  | 1 Pint                                   |  |  |  |  |  |
|   | 11/5   | 2 <sup>2</sup> /s Pints                  |  |  |  |  |  |
| Atrazine 80WP                           | 1/2  | 5/a Pound                                |  |  |  |  |  |
|   | 11/5   | 11/2 Pounds                              |  |  |  |  |  |
| Atrazine 90                             | 1/2  | 3/s Pound                                |  |  |  |  |  |
|   | 11/5   | 116 Pounds                               |  |  |  |  |  |

<sup>1/</sup>Follow all precautions and limitations on the labels of products used in tank mixture with BROCLEAN

SPECIAL USE DIRECTIONS FOR OTHER WEED PROBLEMS IN CORN AND SORGHUM

Large Common Cocklebur, Common Lambsquarters and Sunflower For control of common cocklebur and common lambsquarters up to 14 inches in height and sunflower up to 18 inches in height, use a postemergence application of BRO-CLEAN at 1 pint/A. Make a second application of BROCLEAN at the same rate 7 to 10 days later.

#### Large Velvetleaf

For control of velvetleaf up to 14 inches in height, use posternergence application of BROCLEAN at 11/2 to 2 pints/A or BROCLEAN + atrazine tank mixture at 1 pint/A + 11/5 lb ai/A. Make a second application of BROCLEAN at 1 pint/A 7 to 10 days later, but do not exceed a total of 2 pints/A of BROCLEAN per season on field corn or popcorn.

#### Canada Thistle Management

For effective management of Canada thistle, the following BROCLEAN treatments should be applied to thistle from 8" to the bud stage for in-season burndown of top growth:

BROCLEAN at 1 - 11/2 pints/A + atrazine at 1/2- 11/5 lbs ai/A + Rifle or Clarity àt 1/8 - 1/4 pint/A BROCLEAN at 1 - 11/2 pints/A + 2,4-D at 1/8 - 1/4 ib ai/A

BROCLEAN at 1 -11/2 pints/A + Rifle® or Clarity® at 1/4 - 1/2 pint/A

BROCLEAN at 1 - 11/2 pints/A + atrazine at 1/2- 11/5 lbs ai/A + 2,4-D at 1/8 - 1/4 lb ai/A

If possible follow with cultivation 14-21 days after treatment. In the fall apply 2,4-D (such as Weedone® 638), Rifle, Clarity or glyphosate (Makaze®) at recommended rates to Canada thistle 4-8 inches tall prior to killing frost. Follow with a similar control program in next year's rotational crop.

|   | ADDITIONAL BROCLEAN TANK MIXTURE RECOMMENDATIONS |
|---|--|
| , | APPLICATION TIMING AND SPECIFIC COMMENTS         |

| APPLICATION TIMING AND SPECIFIC COMMENTS |                |                           |                          |  |  |  |  |
|--|----------------|---------------------------|--------------------------|--|--|--|--|
| PRODUCT                                  | RATE           | CROP                      | WEEDS                    |  |  |  |  |
| BROCLEAN                                 | 1 pint/A       | Apply to field corn after | All weeds controlled by  |  |  |  |  |
| +  | +              | emergence and before      | BROCLEAN at recom-       |  |  |  |  |
| Rifle                                    | 1/8-1/2 pint/A | corn is 36 inches tall or | mended rates of appli-   |  |  |  |  |
|  | !              | 15 days before tassel     | cation plus improved     |  |  |  |  |
|  | · · .          | emergence, whichever      | control of pigweed.      |  |  |  |  |
|  |                | comes first.              | For Canada thistle       |  |  |  |  |
|  | 1              |                           | burndown and field       |  |  |  |  |
|  |                | Apply to sorghum          | bindweed suppression     |  |  |  |  |
|  |                | between the 3 leaf stage  | up to the mid-bloom      |  |  |  |  |
|  | · .            | and prior to the preboot  | stage, use ¼-½ pint/A of |  |  |  |  |
|  |                | stage (growth stage 4)    | Rifle with BROCLEAN.     |  |  |  |  |
|  | 1              | or 15 inches in height,   |                          |  |  |  |  |
|  |                | whichever comes first.    |                          |  |  |  |  |
|  |                | Do not apply in the boot  |                          |  |  |  |  |
|  |                | stage. Use drop nozzles   |                          |  |  |  |  |
|  | ļ              | if crop is taller than 8  |                          |  |  |  |  |
|  |                | inches.                   |                          |  |  |  |  |

#### **BROCLEAN®** ~<sup>,</sup> ...~ - ----~

| EPA | HEG. | NO. 347 | 04-891 |  |
|-----|------|---------|--------|--|
|     |      |         |        |  |

| BROCLEAN®    |                       |                           | APPLICATION TIMING AND SPECIFIC COMMENTS |                |                     |   |   |
|--------------|-----------------------|---------------------------|--|----------------|---------------------|---|---|
|              |                       |                           | <b>v</b> -1                              | PRODUCT        | RATE                | CROP  | WEEDS                                       |
|              | EPA I                 | 1EG. NO. 34/04-85         | <b>1</b>                                 | HOULEAN        |                     | emergence and before                          | BROCLEAN + atrazine                         |
| A            | PPLICATION            | IMING AND SPECIFIC CO     | DMMENTS                                  | atrazine       | 1/2-11/51b ai/A     | the corn is 12 inches tall.                   | tank mixtures at recom-                     |
| PRODUCT      | RATE                  | CROP                      | WEEDS                                    | +              | +                   | Use drop nozzles if crop                      | mended rates of appli-                      |
| BROCLEAN     | 11/2 pints/A          | Apply to field corn       |  | 2,4-D          | V16-1/4 10 al/A     | is taller than 8 inches.                      | douils clow control.                        |
| +<br>81116   | +<br>  1/α-1/2 nint/Δ | between the 4 leaf        |  | WEEDONE and    | 1                   | Apply to sorahum                              | Canada thistle burn-                        |
| 1 the        | 70 72 pinton          | 36 inches tall or 15 days |  | WEEDAR Brand   | ļ                   | between the 3 leaf stage                      | down and field bind-                        |
|              |                       | before tassel emergence,  |  | HERBICIDE)     |                     | and prior to the preboot                      | weed suppression, use                       |
|              | ł                     | whichever comes first.    |  |                | 1                   | stage (growth stage 4) or 12 inches in boight | 1/8 - 1/4 10 at/A of 2,4-D                  |
|              | 1                     | Apply to sorahum          |  |                | 1                   | whichever comes first.                        | WIT DROOLLAN.                               |
|              | ļ                     | between the 4 leaf stage  |  |                |                     | Use drop nozzles if crop                      |   |
|              |                       | and prior to the preboot  | ,  |                | 41/                 | is taller than 8 inches.                      |   |
|              | [                     | stage (growth stage 4)    |  |                |                     | Apply to field corri                          |   |
|              | } •                   | whichever comes first     |  |                | 1/2-11/5 lb ai/A    | and before the corn is 12                     |   |
|              |                       | Do not apply in the boot  |  |                | +                   | inches tall. Use drop                         |   |
|              | ļ                     | stage. Use drop nozzles   |  |                | 1/16-1/4 lb al/A    | nozzles it crop is taller                     |   |
|              | l                     | It crop is taller than 8  |  |                |                     | than o inches,                                |   |
| BROCLEAN     | 1 pint/A              | Apply to field corn after | All weeds controlled by                  |                | 1                   | Apply to sorghum                              |   |
| +            | +                     | emergence and before      | BROCLEAN + atrazine                      |                |                     | between the 4 leaf stage                      | •   |
| atrazine     | 1/2 to 11/5           | corn is 12 inches tall.   | tank mixtures at recom-                  |                | 1                   | and prior to the preboot                      |   |
| +<br>Rifle   | ID AVA                | Apply to sorabum          | cation plus improved                     |                | 1                   | 12 inches in height.                          |   |
| 1 11110      | 1/8-1/4 pint/A        | between the 3 leaf stage  | control of pigweed. For                  |                |                     | whichever comes first.                        |   |
|              | 1                     | and prior to the preboot  | field bindweed suppres-                  |                |                     | Use drop nozzles if crop i                    |   |
|              |                       | stage (growth stage 4)    | sion, use ¼ pint/A of                    | BROCLEAN       | 1 pint/A            | Apply to field corn pre-                      | All broadleaf weeds                         |
|              |                       | whichever comes first     | BROCLEAN.                                | +              | +                   | emergence or post-                            | controlled by BRO-                          |
|              |                       | Use drop nozzles if crop  |  | Accent®        | <sup>2/3</sup> oz/A | emergence up to 36                            | CLEAN at 1 or 11/2 pt/A                     |
|              |                       | is taller than 8 inches.  | 4  | +<br>non-ionic | (+<br>1 m/100       | nordes tall. Use drop                         | prus grasses and broad-                     |
|              | 11/2 pints/A          | Apply to field corn       | - ·                                      | surfactant     | gal of water        | 36 inches tall. Do not                        | Accent. For optimum                         |
|              | 1/2 - 11/5            | and before corn is 12     |  |                | (0.25% v/v)         | apply this tank mix to                        | weed control, treat when                    |
|              | lb ai/A               | inches tall.              | }  |                | 11/ pipt/A          | sorghum.                                      | broadleaves and                             |
|              | +                     | A                         |  |                | 1 % pin/A           | between the 4 leaf stage                      | ommended prowth                             |
|              | 1/8 - 1/4 pint/A      | Apply to sorgnum          | 1  |                | 2/3 oz/A            | up to 36 inches in height.                    | stage or size. Follow                       |
|              | ł                     | and prior to the preboot  |  |                | +                   | Use drop nozzles when                         | the weed size guideline                     |
|              | 1                     | stage (growth stage 4)    |  |                | 1 qt/100            | corn is 24-36 inches tall.                    | on the BHOCLEAN or                          |
|              |                       | or 12 inches in height,   |  |                | (0.25% v/v)         | mix to sorghum.                               | least restrictive.                          |
|              | 1                     | Do not apply in the boot  | ( ·                                      | BROCLEAN       | 1 pint/A            | Apply to field corn                           | All broadleaf weeds                         |
|              |                       | stage. Use drop nozzies   |  | +              | +                   | preemergence or post-                         | controlled by BRO-                          |
|              | ł                     | if crop is taller than 8  |  | atrazine       | 1/2-1 /5 ID al/A    | the corn is 12 inches tall                    | CLEAN + atrazine plus                       |
|              |                       | Clarity may be used       | 4  | Accent         | 2/3 02/A            | Do not apply this tank                        | leaves controlled by                        |
|              |                       | at the same rates as      |  | +              | +                   | mix to sorghum.                               | Accent, For optimum                         |
|              | (                     | RIfle in a tank mixture   |  | non-ionic      | 1 qt/100            |   | weed control, treat                         |
|              | ł                     | on corn. These mixtures   | 1  | Sunaciant      | (0.25% v/v)         |   | grasses are in the rec-                     |
| 1            | 1                     | corn exceeds 8 inches in  |  |                | 1½ pint/A           | Apply to field corn                           | ommended growth                             |
|              | ļ                     | height.                   |  |                | +                   | between the 4 leaf stage                      | stage or size. Follow                       |
|              | 1                     | Do not use Clarity in a   |  |                | 1/2 - 1 1/5 ID AVA  | the corn is 12 inches tall.                   | on the BBOCLEAN or                          |
|              | 1                     | BROCI FAN or              | ĺ  |                | 2/3 OZ/A            | Do not apply this tank                        | Accent labels that are                      |
|              | 1                     | BROCLEAN + atrazine       |  |                | +                   | mix to sorghum.                               | least restrictive.                          |
| 000015111    |                       | on sorghum.               |  |                | l qi/100            |   |   |
| BHOCLEAN     | i pint∕A              | Apply to field corn after | BROCLEAN at recom-                       |                | (0.25% v/v)         |   |   |
| 2.4-D        | 1/16-1/4 lb ai/A      | tassel emergence. Use     | mended rates plus                        | BROCLEAN       | 1 pint/A            | Apply to field corn from                      | All broadleaf weeds                         |
| (such as     | ĺ                     | drop nozzles if crop is   | improved pigweed and                     | +<br>Beacon®   | 1 38-0 76           | 4 to 20 inches in height.                     | CLEAN at 1 pt/A plus                        |
| WEEDONE® and | 1                     | tailer than 8 inches.     | Kochia control. For                      | +              | oz/A (1-2           | mix to sorohum.                               | grasses and broad                           |
| HERBICIDE    | }                     | Apply to sorahum          | down and field bind-                     | non-ionic      | packets/4           |   | leaves controlled by                        |
|              | 1 、                   | between the 3 leaf stage  | weed suppression up to                   | surfactant     | acres)              |   | Beacon, For optimum                         |
|              | 1                     | and prior to the preboot  | the midbloom stage,                      |                | 1 gt/100 gal        |   | weeu control, treat<br>when broadleaves and |
|              |                       | sidge (growin stage 4) or | 2.4-D with BROCI FAN                     |                | of water            |   | grasses are in the rec-                     |
|              | }                     | drop nozzles if crop is   |  |                | (0.25% v/v)         |   | ommended growth                             |
|              | <u> </u>              | taller than 8 inches.     |  |                |                     |   | stage or size. Follow                       |
|              | 11/2 pints/A          | Apply to field corn       |  |                | 1                   |   | lines on the                                |
|              | 1/16-1/4 lb ai/A      | and prior to tassel       |  |                |                     |   | BROCLEAN or Beacon                          |
|              |                       | emergence. Use drop       | 2  |                | 1                   |   | labels that are least                       |
|              |                       | nozzles if crop is taller | 1  |                |                     | L   | TESHICIIVE.                                 |
|              |                       | inan 8 inches.            |  |                |                     |   |   |
|              | 1                     | Apply to sorghum          |  |                |                     |   |   |
|              |                       | between the 4 leaf stage  |  |                |                     |   |   |
|              | 1                     | and prior to the preboot  |  |                |                     |   |   |
|              |                       | 15 inches in height. Use  |  |                |                     |   |   |
|              | ]                     | drop nozzles if crop is   |  |                |                     |   |   |
|              | L                     | taller than 8 inches.     | <u> </u>                                 |                |                     |   |   |

| <u>A</u>             | PPLICATION  | IMING AND SPECIFIC C      | COMMENTS                     |
|----------------------|---|---------------------------|------------------------------|
| PRODUCT              | HALL  |                           | WEEDS                        |
| BROCLEAN             | %-1 pint/A +  | Apply to field corn from  | Addition of Exceed at        |
| +                    | 0.5-1.0 oz/A  | 4 to 48 inches in height  | 0.5 ounce/A to BHO-          |
| Exceed®              | +   | and before tasseling,     | CLEAN at 34-1 pint/A         |
| +                    | 1 qt/100  | whichever comes first.    | will control all weeds on    |
| non-ionic            | gal. of water   | Do not apply this tank    | the BROCLEAN label           |
| surfactant           | (0.25% v/v)   | mix to sorghum.           | at 1 pint/A plus improved    |
|                      |   |                           | control of velvetleaf and    |
|                      |   |                           | pigweed species.             |
|                      |   | )                         | Addition of Exceed at 1.0    |
|                      |   |                           | oz./A to BROCLEAN at         |
|                      |   |                           | 34-1 pint/A will control all |
|                      |   |                           | weeds on both the            |
|                      |   |                           | BROCLEAN and Exceed          |
|                      |   | 1                         | labels. Follow the weed      |
|                      |   |                           | size guidelines on the       |
|                      |   |                           | BROCLEAN and Exceed          |
|                      |   |                           | labels that are least        |
|                      |   | •                         | restrictive.                 |
| BROCLEAN             | ¾-1 pint/A  | Apply to field corn       | Addition of Permit at 1/3    |
| +                    | +   | from the 3 leaf stage     | oz./A to BROCLEAN at 34-     |
| Permit               | 1/3- 2/3 oz/A   | to layby. Do not apply    | 1 pint/A will control all    |
| +                    | +   | this tank mix to sorghum. | weeds on the BROCLEAN        |
| non-ionic            | 1 qt/100  |                           | label at 1 pint/A plus       |
| surfactant           | gal. of water   |                           | improved control of velvet-  |
|                      | (0.25% v/v)   |                           | leaf and pigweed species.    |
|                      |   |                           | Addition of Permit at 2/3    |
|                      |   |                           | oz./A to BHOCLEAN at         |
|                      |   |                           | 34-1 pint/A will control all |
|                      |   |                           | Weeds on both the            |
|                      |   |                           | BHOCLEAN and Permit          |
|                      |   |                           | labels. Follow the weed      |
|                      |   |                           | Size guidelines on the       |
|                      |   |                           | BROCLEAN and Fernin          |
|                      |   |                           | rostrictivo                  |
| BBOCI FAN            | 1 pint/A  | Apply to field corn       | All weeds controlled by      |
| BHOOLEAN             | 1 pii in A  | after emergence up to     | BBOCI EAN at recom-          |
| Stinger®             | 16-26 nint/A  | 24 inches in height       | mended rates of applica-     |
| ounger               | 33 -75 pinert   | Do not apply this tank    | tion plus improved           |
|                      |   | mix to sorahum            | Canada thistle burndown      |
|                      | 1 ½ pints/A   | Apply to field corn from  | For optimum perfor-          |
|                      | +   | 4 leaf stage up to 24     | mance apply to Canada        |
|                      | 1/3-2/3 pint/A  | inches in height. Do      | thistle at least 4 inches in |
|                      | ··· ·· F·····   | not apply this tank mix   | diameter or height but       |
|                      |   | to sorghum.               | before bud stage.            |
| BROCLEAN             | 1 pint/A  | Apply to field corn after | All weeds controlled by      |
| +                    | +   | emergence and before      | BROCLEAN + atrazine          |
| atrazine             | 1/2-11/5 lb ai/A  | corn is 12 inches tall.   | tank mixtures at recom-      |
| +                    | +   | Do not apply this tank    | mended rates of applica-     |
| Stinger®             | 1/3- 2/3 pint/A   | mix to sorghum.           | tion plus improved           |
|                      |   |                           | Canada thistle burndown.     |
|                      | 11/2 pints/A  | Apply to field corn from  |                              |
|                      | +   | 4 leaf stage and before   | For optimum performance      |
| *                    | 1/2-11/5 lb al/A  | corn is 12 inches tall.   | apply to Canada thistle at   |
|                      | +   | Do not apply this tank    | least 4 inches in diameter   |
|                      | 1/3-2/3 pint/A  | mix to sorghum.           | or height but before bud     |
|                      |   |                           | stage.                       |
| BHOCLEAN             | ¼-1 pint∕A  | Apply this tank mix       | I his tank mix will control  |
| +<br>Durcuit®        | +   | bybride possosoing        | an produted weeds listed     |
|                      |   | resistance to Pureuit     | CI FAN at 3/-1 nint/A        |
| T<br>Dopionic        | T at/100 asle   | herbicide Contact your    | plus diant foxtail redroct   |
| surfactant           | i qui uu yais.  | seed supplier for         | plas giant loniali, realoot  |
| ±                    | 1-2 cts /4  | further information       | and broadleaf weeds          |
| T<br>LIAN fortilizor | 1 2 40.00   | Apply this tack mix to    | listed on the Pursuit        |
| solution             |   | corn between the 3        | lahel                        |
| 500000               |   | leaf to 8 leaf stane of   | napoli.                      |
|                      |   | growth Do not use         |                              |
|                      |   | crop oil concentrates     |                              |
|                      |   | when applying             |                              |
|                      |   | BROCLEAN + Pursuit        |                              |
|                      |   | tank mixtures.            |                              |
|                      | the second se |                           |                              |

APPLICATION TIMING AND SPECIFIC COMMENTS.

| PRODUCT                                 | BATE   | CROP   | WEEDS   |
|---|--|--|---|
| BROCLÉAN<br>+<br>glyphosate<br>(Makaze) | Preemergence<br>1-11/2 pints/A<br>+<br>1/2-3 pints/A | Apply to corn or<br>sorghum before planting<br>time up until just prior<br>to crop emergence.<br>Refer to glyphosate label<br>for rate to use depending<br>on weeds present at<br>time of application. | All weeds controlled by<br>BROCLEAN at recom-<br>mended rates of applica-<br>tion plus control of certain<br>grass and perennial weeds. |

RESTRICTIONS AND PRECAUTIONS: Corn (Field and Pop), Sorghum (Grain and

- Forage) and Sudangrass
  BROCLEAN does not control grasses. Therefore, it is recommended that a suitable grass control program be used to provide any required grass control.
  Addition of a spray additive or mixture with liquid fertilizers may cause excessive
- crop leaf burn.
- Seed corn producers should consult the respective seed corn company regarding
- tolerance of certain seed production inbred lines to BROCLEAN. · Do not apply BROCLEAN postemergence to seed corn inbreds or popcorn prior to the
- 3 leaf stage of crop growth as excessive crop leaf burn may occur.
- . Do not plant rotational crops until the following season.
- Do not cut crop for feed, fodder or graze within 30 days of application.
  The total cumulative rate may not exceed 0.5 lb ai bromoxynil/A (2 pints Broclean/A).
- · Postemergence application prior to the 3 leaf growth stage of corn or sorghum may
- result in increased crop leaf burn.
  Tank mixtures with Accent/nonionic surfactant or Beacor/nonionic surfactant may result in increased initial crop leaf burn. Use of crop oil concentrate, nitrogen fertilizer solution or other adjuvants in BROCLEAN + Accent or BROCLEAN + Beacon tank mixtures may result in a further increase in crop leaf burn.
- · Special care should be taken when using BROCLEAN, Rifle, Clarity or 2,4-D tank
- mixtures to avoid off target drift to sensitive crops.
- Tank mixtures with 2,4-D, Rifle, or Clarity can cause stalk brittleness to field corn. Tank mixtures with 2,4-D and Rifle can cause stalk brittleness to sorghum. Winds or
- cultivation may cause breakage while crop is brittle. · Follow all restrictions and precautions on the label of all products used in tank mixture with BROCLEAN.
- Do not apply BROCLEAN at any rate to sorghum after the preboot stage of growth (growth stage 4) as severe crop injury, including loss of crop yield may result.
  Do not apply the 2 pints/A rate of BROCLEAN to sorghum.
- . Do not apply the BROCLEAN + Pursuit tankmix except to field corn hybrids known to possess resistance to Pursuit, or severe crop injury may result.

### WHEAT, BARLEY, OATS, RYE AND TRITICALE BROCLEAN RECOMMENDATIONS

| AF       | PLICATION T   | IMING AND SPECIFIC C  | COMMENTS   |
|----------|---------------|---|--|
| PRODUCT  | RATE          | CROP  | WEEDS  |
| BROCLEAN | 1 - 2 pints/A | Spring seeded wheat,<br>barley, oats, rye and<br>triticale. Use in all<br>states except Idaho,<br>Oregon, Washington,<br>Colorado, Wyoming<br>and Montana. Apply<br>from emergence up<br>and prior to the boot<br>stage.  | Apply 1 pint/A to MOST<br>SUSCEPTIBLE and 1½-2<br>pints/A to SUSCEPTIBLE<br>weeds that do not exceed<br>the 4 leaf stage or 2<br>inches in height, which<br>ever comes first. If weed<br>forms rosette, apply<br>before weeds exceed<br>1 inch in diameter.  |
|          |               |   | Use BROCLEAN at 1½-2<br>pints/A for control of<br>kochia that is 2-4 inches<br>in height and pigweed<br>that does not exceed the<br>4 leaf stage or 2 inches in<br>height, whichever comes<br>first.   |
|          | 1 ½-2 pints/A | Fall seeded wheat,<br>barley, oats, rye and<br>triticale throughout the<br>United States. Apply<br>from emergence to the<br>boot stage.<br>Spring seeded wheat,<br>barley, oats, rye and<br>triticale in Idaho,<br>Oregon, Washington,<br>Colorado, Wyoming<br>and Montana. Apply<br>from emergence up<br>and prior to the boot<br>stage. | Apply to MOST SUSCEP-<br>TIBLE weeds (see Gen-<br>eral Weed List) up to<br>the 8 leaf stage or 4<br>inches in height, which<br>ever comes first. If weed<br>forms rosette apply<br>before weeds exceed 2<br>inches in diameter. Apply<br>to SUSCEPTIBLE<br>broadleaf weeds up to the<br>4 leaf stage, 2 inches in<br>height or 1 inch in diame-<br>ter, whichever comes first. |

|                                    |                      |                            | C COMMENTS  | +<br>Finonco®   | +          |
|------------------------------------|----------------------|----------------------------|---|-----------------|------------|
| PRODUCT                            | RATE                 | CROP                       | WEEDS   | +               | +          |
| BROCLEAN                           | Chemigation          | Apply to wheat, barley,    | Apply to MOST SUS-                                | nonionic        | 1 qt/10    |
|                                    | Only                 | oats, rye and triticale    | CEPTIBLE broadleaf                                | surfactant      | gal. of    |
|                                    | 2 pints/A            | boot stage Apply           | stage or 4 inches in                              |                 | ľ          |
|                                    | 2 pinova             | through automated          | height or 2 inches in                             |                 |            |
|                                    |                      | sprinkler irrigation       | diameter, whichever                               | BROCLEAN        | 34-11/2 p  |
|                                    |                      | systems with a mech-       | comes first. Apply to                             | +               | +          |
|                                    |                      | anical transfer loading    | SUSCEPTIBLE broadleat                             | Amber®          | 0.28-0.5   |
|                                    |                      | MIXING, LOADING            | stage, 2 inches in height                         | nonionic        | 0 25-0.5   |
|                                    | 1                    | AND HANDLING               | or 1 inch in diameter,                            | surfactant      | 0.20 0.0   |
|                                    |                      | INSTRUCTIONS               | whichever comes first.                            |                 | 1          |
|                                    | 1                    | section for complete       | Do not use chemigation                            |                 |            |
|                                    | 1                    | ueidiis.                   | exceed 4 inches in height                         | BBOCI FAN       | 1-1½ n     |
|                                    |                      |                            | because control may be                            | +               | +          |
|                                    |                      |                            | unacceptable.                                     | Express®        | 1/6-1/3 OZ |
|                                    | Barley, oats,        | Apply to barley, oats,     | Apply 1 pint/A to MOST                            | +               | +          |
|                                    | and wheat            | underseeded with           | pints/A to SUSCEPTIBLE                            | nonionic        |            |
|                                    | underseeded          | alfalfa after barley,      | broadleaf weeds that do                           | Sunactaint      | gal. or v  |
|                                    | with alfalfa         | oats, rye, triticale, and  | not exceed the 4 leaf                             |                 | 34-1½ p    |
|                                    | 1 116 minto/A        | wheat emerge up to         | stage, 2 inches in height                         |                 | +          |
|                                    | 1-172 pints/A        | when underseeded           | whichever comes first.                            |                 | 1/6-1/3 02 |
| 4                                  |                      | alfalfa has a minimum      |   |                 | 1 qt/10    |
|                                    |                      | of 4 trifoliate leaves.    |   | · .             | gal. of v  |
| (                                  |                      | Follow all precautions     |   |                 | ĺ          |
|                                    |                      | under the barley pats.     |   | BBOCLEAN        | 34-11/2 0  |
| [                                  |                      | rye, triticale, wheat and  |   | +               | +          |
| <u> </u>                           |                      | seedling alfalfa sections. |   | Harmony® Extra  | 3/10-1/2   |
| BR                                 | OCLEAN TAN           | IK MIXTURE RECOMME         | ENDATIONS   | +<br>popiopic   | +          |
| <u>AA</u>                          | PLICATION T          | MING AND SPECIFIC C        | OMMENTS   | surfactant      | gal. of v  |
|                                    | RATE                 | CHOP                       | WEEDS   |                 |            |
| +                                  | +                    | oats and rve from the      | control of mustards and                           |                 |            |
| 2,4-D                              | ¼-½/bai/A            | fully tillered and before  | pigweed. Apply to weeds                           |                 |            |
| (such as                           |                      | jointing stage.            | up to the 4 leaf stage, 2                         |                 |            |
| WEEDONE or<br>WEEDAR brand         |                      |                            | in diameter whichever                             |                 | 1          |
| HERBICIDE)                         |                      |                            | comes first.                                      |                 | ł          |
| · .                                | 34-1 pint/A          | Apply to wheat and         | This tank mix improves                            |                 | 1          |
|                                    | +<br>14-14-lb-ci/A   | barley in Minnesota,       | control of wild buck-                             |                 |            |
|                                    | 74-72 ID AVA         | Dakota from the fully      | and wild mustard. Apply                           | BROCLEAN        | 1-1½ p     |
|                                    |                      | tillered and before the    | to weeds up to the 4 leaf                         | +<br>Curtail®   | 2 pints/   |
|                                    |                      | jointing stage.            | stage, 2 inches in height                         | or              | [          |
|                                    |                      |                            | or 1 inch in diameter,                            | Curtail M       | ]          |
| BROCLEAN                           | 1-2 pints/A          | Apply to wheat, barley,    | This tank mix improves                            |                 |            |
| +                                  | +                    | oats and rye from the      | control of mustards, pig-                         |                 | 1          |
| MCPA                               | ¼-½ lb ai/A          | 4 leaf stage and           | weed and kochia. Apply                            |                 |            |
| (such as<br>RHONOX <sup>®</sup> or |                      | beiore jointing.           | stage 2 inches in height                          | DDOCI FAN       | 1 11/ 11   |
| RHOMENE®)                          |                      |                            | or 1 inch in diameter,                            | +               | -1% P      |
|                                    |                      |                            | whichever comes first.                            | metribuzin      | 1/e-1/4 lb |
| BROCLEAN                           | 1-11/2 pints/A       | Fall seeded wheat          | This tank mix improves                            | (Metribuzin 75) |            |
| +<br>Rifle                         | -⊤<br>1/8-1/4 pint/A | jointing stage. Spring     | such as prostrate knot-                           |                 | 1          |
|                                    |                      | seeded wheat apply         | weed. Apply to weeds up                           |                 | Į          |
|                                    |                      | up to the 5 leaf stage.    | to the 4 leaf stage, 2                            |                 | 1          |
|                                    |                      |                            | inches in neight of 1 inch                        |                 |            |
|                                    |                      |                            | comes first.                                      |                 | 1          |
| BROCLEAN                           | 34-11/2 pints/A      | Apply to wheat and         | This tank mix improves                            |                 | 1          |
| +<br>Olaa-®                        | +                    | barley from the 2 leaf     | control of broadleaves                            |                 |            |
| Glean <sup>o</sup><br>+            | 1/6-1/3 02/A<br>+    | stage and before boot      | mustard and pinweed.                              |                 | Í .        |
| ,<br>nonionic                      | 1 qt/100             | label for crop rotation    | Apply to weeds up to the                          |                 | ]          |
| surfactant                         | gal. of water        | and other restrictions.    | 4 leaf stage, 4 inches in                         |                 |            |
|                                    |                      |                            | neight or 2 inches in<br>diameter, whichover      |                 | L          |
|                                    |                      |                            | comes first.                                      | BROCLEAN        | 1 pint/A   |
| BROCLEAN                           | 34-11/2 pints/A      | Apply to wheat and         | This tank mix improves                            | diuron          | 4no lb a   |
| + .<br>All-®                       | +                    | barley from the 2 leaf     | control of broadleaves                            |                 |            |
| ruiy=<br>+                         | +                    | boot stage. Refer to       | and pigweed. Apply to                             |                 | 1          |
| nonionic                           | 1 qt/100             | Ally label for crop        | weeds up to the 4 leaf                            |                 | ]          |
| surfactant                         | gal. of water        | rotation and other         | stage, 4 inches in height                         |                 |            |
|                                    |                      | restrictions.              | or 2 incres in diameter,<br>whichever comes first |                 | ł          |
|                                    |                      |                            |   |                 | 1          |

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| APPLICATION TIMING AND SPECIFIC COMMENTS |                  |                             |                              |  |  |  |  |
|--|------------------|-----------------------------|------------------------------|--|--|--|--|
| PRODUCT                                  | HATE             | CROP                        | WEEDS                        |  |  |  |  |
| BHOCLEAN                                 | %-1½ pints/A     | Apply to wheat and          | This tank mix improves       |  |  |  |  |
| + '<br>=                                 | +                | parley from the 2 leaf      | control of broadleaves       |  |  |  |  |
| -inesse®                                 | 1/6-1/3 OZ/A     | stage and before the        | such as tansy mustard,       |  |  |  |  |
| +<br>nonionio                            | +                | Einerse label for gran      | nendil, chickweed and        |  |  |  |  |
| numunic                                  | al of water      | rotation and other          | up to the 4 leaf stage 4     |  |  |  |  |
| Sundciani                                | gat. Of water    | restrictions                | inches in height or 2        |  |  |  |  |
|  | [                | restrictions.               | inches in diameter           |  |  |  |  |
|  |                  |                             | whichever comes first        |  |  |  |  |
| BROCLEAN                                 | 3/4-11/2 pints/A | Apply to wheat and          | This tank mix improves       |  |  |  |  |
| +  | +                | barley after the 3 leaf     | control of broadleaves       |  |  |  |  |
| Amber®                                   | 0.28-0.56 oz/A   | stage and before the        | such as tansy mustard,       |  |  |  |  |
| +  | +                | flag leaf is visible.       | henbit, and pigweed.         |  |  |  |  |
| nonionic                                 | 0.25-0.5% v/v    | Refer to the Amber          | Apply to weeds up to the     |  |  |  |  |
| surfactant                               |                  | label for crop rotation     | 4 leaf stage, 4 inches in    |  |  |  |  |
|  |                  | and other restrictions.     | height or 2 inches in        |  |  |  |  |
|  |                  |                             | giameter, whichever          |  |  |  |  |
|  | 1-11/2 pinte/A   | Winter wheat Apply          | This tank mix improves       |  |  |  |  |
|  | 1-1/2 pints/A    | after cron is in the 2      | control of broadleaf         |  |  |  |  |
| T<br>Fynross®                            | 1ε-1α 07/Δ       | leaf stage and before       | weeds such as redroot        |  |  |  |  |
| +  | +                | the flag leaf is visible.   | pigweed, tansy mustard       |  |  |  |  |
| nonionic                                 | 1 at/100         | Refer to Express            | and suppression of           |  |  |  |  |
| surfactant                               | gal. of water    | label for crop rotation     | Canada thistle. Apply to     |  |  |  |  |
|  | L                | and other restrictions.     | annual weeds up to the 4     |  |  |  |  |
| •  | 34-11/2 pints/A  | Spring wheat and barley.    | leaf stage, 4 inches tall or |  |  |  |  |
|  | +                | Apply after crop is in      | across and to Canada         |  |  |  |  |
|  | 1/6-1/3 OZ/A     | the 2 leaf stage and        | thistle 4 to 8 inches tall   |  |  |  |  |
|  | +                | before the flag leaf is     | with 2 to 6 inches of new    |  |  |  |  |
|  |                  | VISIDIE. Heter to           | growth.                      |  |  |  |  |
| · 、                                      | gai. or water    | express label for crop      |                              |  |  |  |  |
|  |                  | restrictions                |                              |  |  |  |  |
|  | 3/4-11/2 Dints/A | Winter wheat Annly          | This tank mix improves       |  |  |  |  |
| +  | +                | after the 2 leaf stage      | control of broadleaf         |  |  |  |  |
| Harmony® Extra                           | 3/10-1/2 OZ/A    | and before the 3rd node     | weeds such as henbit,        |  |  |  |  |
| +  | +                | is detectable. Refer to     | chickweed and redroot        |  |  |  |  |
| nonionic                                 | 1 qt/100         | the Harmony Extra           | pigweed. Apply to weeds      |  |  |  |  |
| surfactant                               | gal. of water    | label for crop rotation     | up to 4 leaf stage, 4        |  |  |  |  |
|  |                  | and other restrictions.     | inches in height or          |  |  |  |  |
|  |                  |                             | across whichever comes       |  |  |  |  |
|  |                  | Spring wheat and barley.    | first.                       |  |  |  |  |
|  |                  | Apply after the 2 leaf      |                              |  |  |  |  |
|  |                  | stage and before the 1st    |                              |  |  |  |  |
|  |                  | Node is detectable.         | •                            |  |  |  |  |
|  |                  | Extra label for crop        |                              |  |  |  |  |
|  |                  | rotation and other          | 1                            |  |  |  |  |
|  |                  | restrictions                |                              |  |  |  |  |
| BROCLEAN                                 | 1-11/2 pints/A   | Apply to wheat and          | This tank mix improves       |  |  |  |  |
| +  | + !              | barley after the crop       | control of kochia, wild      |  |  |  |  |
| Curtail®                                 | 2 pints/A        | begins to tiller up to      | buckwheat and Canada         |  |  |  |  |
| or                                       |                  | the 1st node detectable.    | thistle. Apply to annual     |  |  |  |  |
| Curtail M                                |                  |                             | broadleaf weeds up to        |  |  |  |  |
|  | [                |                             | the 8 leaf stage up to 4     |  |  |  |  |
|  |                  |                             | inches in height or 2        |  |  |  |  |
|  | ĺ                |                             | inches in diameter and       |  |  |  |  |
|  |                  |                             | Uanada Inistle in the        |  |  |  |  |
|  | 1-1% pinte/A     | Winter wheat in Idaha       | This tank mix improves       |  |  |  |  |
| +  | 1+               | Montana. Oregon and         | control of broadleaves       |  |  |  |  |
| metribuzin                               | 1/e-1/4 lb ai/A  | Washington, Apply in        | such as chickweed. fila-     |  |  |  |  |
| (Metribuzin 75)                          |                  | spring after growth has     | ree, henbit and dog-         |  |  |  |  |
|  | · ·              | started and secondary       | fennel. Apply to weeds       |  |  |  |  |
|  |                  | roots with a minimum        | that do not exceed 2         |  |  |  |  |
|  |                  | of 3 to 4 tillers have      | inches tall or rosettes of   |  |  |  |  |
|  |                  | been established and        | 2 inches in diameter.        |  |  |  |  |
|  |                  | betore boot stage.          | The higher use rates of      |  |  |  |  |
|  |                  | Avoid application when      | both products should be      |  |  |  |  |
|  | 1                | crop has experienced        | used only in emergency       |  |  |  |  |
|  |                  | winiter kill, frost damage, | weed situations and if       |  |  |  |  |
|  |                  | uisease or arought.         | acceptable A recognized      |  |  |  |  |
|  |                  |                             | authority should be          |  |  |  |  |
|  |                  |                             | consulted concerning the     |  |  |  |  |
|  | l                |                             | use of this mixture          |  |  |  |  |
|  |                  |                             | in your area.                |  |  |  |  |
| BROCLEAN                                 | 1 pint/A         | Winter wheat and winter     | This tank mix improves       |  |  |  |  |
| +  | +                | barley in Idaho, Oregon     | control of broadleaves       |  |  |  |  |
| diuron                                   | ⁴no lb ai/A      | and Washington. Use         | such as henbit and           |  |  |  |  |
|  |                  | only in areas where         | gromwell. Apply to weeds     |  |  |  |  |
| :  |                  | annual rainfall exceeds     | before they are 2 inches     |  |  |  |  |
|  |                  | 16 inches. One fall         | tall or 2 inches in          |  |  |  |  |
|  | l                | application after emer-     | diameter.                    |  |  |  |  |
|  |                  | yence and before soil       |                              |  |  |  |  |
|  |                  | neezes or in spring as      |                              |  |  |  |  |

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FORAGE, FIBER AND SPECIALTY CROPS ALFALFA (SEEDLING) BROCLEAN RECOMMENDATIONS

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13/18

|   |                            |                                | APPLICATION TIMING AND SPECIFIC COMMENTS |          |                |  |                             |
|---|----------------------------|--------------------------------|--|----------|----------------|--|-----------------------------|
| B   | ROCLEAN TAN                | IK MIXTURE RECOMM              | ENDATIONS                                | PRODUCT  | RATE           | CROP   | WEEDS                       |
| A   | PPLICATION T               | IMING AND SPECIFIC C           | COMMENTS                                 | BROCLEAN | 1-11/2 pints/A | In the states of Cali-                           | Apply 1 pint/A to MOST      |
| PRODUCT   | RATE                       | CROP                           | WEEDS                                    |          |                | fornia, Washington,                              | SUSCEPTIBLE broad-          |
| BROCLEAN  | 1 pint/A                   | Spring wheat. Apply            | In addition to broadleat                 |          | 1              | Oregon, Idaho, Montana,                          | leaf weeds and 11/2         |
| +<br>T::::-:®   | +                          | when crop begins to            | BROCLEAN this topking                    |          |                | Wyoming, Colorado,                               | pints/A for SUSCEP-         |
| Thier~  | + pinvA                    | liller (3-4 lear stage)        | will control groon fortail               |          |                | Utan, Nevada, Arizona,                           | TIBLE broadleaf weeds       |
|   |                            | up to the 6 leaf stage.        | from the 2-lost to 2-tillor              |          | }              | New Mexico, and the                              | (See General Weed List)     |
|   |                            | for complete use direc.        | stage of growth                          |          |                | North Dakata, South                              | when weeds do not           |
|   |                            | tions and restrictions         | slage of growin.                         |          |                | Dekote Nebreska and                              | inches in height or 1 inch  |
| BBOCI FAN   | 1 -2 nints/A               | Spring Barley After            | This tank mix will provide               |          | 1              | Kansas: Annly in the fall                        | in diameter whichovor       |
| +   | +                          | emergence and before           | wild oat, green foxtail and              |          |                | or spring to seedling                            | comes first BBOCLEAN        |
| Hoelon®   | 2 <sup>2/3</sup> pints/A   | jointing. Avoid using this     | annual ryegrass control                  |          |                | alfalfa when the majority                        | will not adequately control |
| ,   |                            | tank mixture on barley         | in addition to broad-                    |          |                | of the field has a                               | over-wintered penny-        |
|   |                            | exposed to cold (lower         | leaves. Apply to grasses                 |          |                | minimum of 2 trifoliates.                        | cress, henbit and           |
|   | }                          | than 40 degrees F)             | 1-3 leaf stage and                       |          |                | Unacceptable crop                                | mustards.                   |
|   |                            | and/or prolonged wet           | broadleaves no larger                    |          |                | injury may occur to                              |                             |
|   | 1                          | weather conditions as          | than 4 leaf stage or                     |          |                | alfalfa seedlings less                           |                             |
|   | 1                          | crop injury may result.        | rosettes of 1.5 inches in                |          |                | than the 2 trifoliate                            | 1 ~                         |
|   | 1 0                        | Minter ubest and               | diameter.                                |          | 1              | stage. BHOCLEAN                                  |                             |
|   | 1-2<br>nints/A             | winter wheat and               |  |          |                | applications made when                           |                             |
|   | pinis/A                    | spring wrieat. Alter           |  |          |                | temperatures are                                 | · ·                         |
|   | +<br>22a-31a nints/A       | iointing                       |  |          |                | expected to exceed                               |                             |
| BBOCI FAN   | 1-2 nints/A                | Winter wheat and               |  |          | 1              | following application can                        |                             |
| +   | +                          | spring wheat. After            |  |          |                | result in unacceptable                           |                             |
| Hoelon  | 2-22/3 pints/A             | emergence and before           |  |          |                | crop injury. In the                              |                             |
| +   | · ·                        | jointing. Use a                |  |          | (              | remaining states                                 |                             |
| crop oil  | 1-2 pints/A                | minimum of 10 gallons          |  |          |                | apply in the fall or spring                      |                             |
| concentrate   |                            | of spray volume per            |  |          |                | to seedling alfalfa when                         |                             |
|   |                            | acre.                          |  |          |                | the majority of the field                        |                             |
|   |                            | DO NOT LIDE ON                 |  |          |                | has a minimum of 4                               |                             |
|   |                            | DO NUT USE ON                  |  |          |                | tritoliate leaves. When                          | 1                           |
|   | 1-2 pipte/A                | Minter Wheat Four              | This tank mix will provide               |          | 1              | alialia stand is uneven                          |                             |
| BROOLEAN  |                            | leaf to tillering stage        | wild pat control in                      |          |                | leafourn unaccontable                            |                             |
| Avence  | 21/2-4 pints/A             | Refer to Avenue label          | addition to broadleaves.                 |          | 1              | cron injury may occur                            |                             |
| /   |                            | for varietal and other         | Apply to wild oats in the                |          |                | to alfalfa in the 2 trifoliate                   |                             |
|   | ļ                          | restrictions.                  | 3-5 leaf stage and broad-                |          | ]              | or smaller stage of                              |                             |
|   | ļ                          | Spring Wheat, Five to          | leaves that do not                       |          |                | growth. If you are un-                           |                             |
|   |                            | 6 leaf stage. Refer to         | exceed the 4 leaf stage                  |          |                | sure of growth stage                             |                             |
|   |                            | Avenge label for varietal      | or rosettes of 1.5 inches                |          |                | conditions, contact                              |                             |
|   |                            | and other restrictions.        | in diameter.                             |          |                | your local extension                             |                             |
|   |                            | Barley. Two to 7 leat          | A  |          |                | service. BROCLEAN                                |                             |
|   | 1                          | stage.                         | Avenge use rates per                     |          | · · ·          | applications made when                           | ĺ                           |
|   |                            | 1                              | oate par en ft.) 3 pints                 |          | •              | temperatures are expec-                          |                             |
|   |                            |                                | $(11_225 \text{ parts per sq. ft})$ or   |          | 1-116 pinte/A  | and 3 days following                             |                             |
|   |                            |                                | 4 pints (more than 25                    |          | 1-172 pints/A  | and o days lonowing<br>application can result in | •                           |
|   |                            |                                | oats per sq. ft.).                       | •        |                | unacceptable crop injury.                        |                             |
| · ·   |                            |                                |  |          |                | Follow all other use                             |                             |
| RESTRICTIONS  | AND PRECAUT                | FIONS: Small Grains (V         | Vheat, Barley, Oats, Rye                 |          |                | directions listed on the                         |                             |
| and Iriticale)  | الشيع ما الأمام المعام الم | ain 45 intern faller dan trans | tmant                                    |          |                | BROCLEAN label.                                  |                             |
| <ul> <li>Do not graze tr</li> <li>Do not apply w</li> </ul> | then crops are i           | inder majeture stress          | uneni.                                   | BROCLEAN | Chemigation    | Apply to seedling                                | Apply to MOST SUSCEP-       |
| <ul> <li>Do not apply w</li> </ul>                          | hen crops are t            | w covers the weeds as n        | oor weed control will                    |          | Only           | altalla with a minimum                           | TIBLE broadleat weeds       |
| result.   |                            | .,                             |  |          | 2 pints/A      | Apply through auto-                              | inches in beight or 2       |
| <ul> <li>Do not apply with</li> </ul>                       | hen underseede             | d alfalfa is under moisture    | , temperature, insect or                 |          | E prilorr      | mated sprinkler irriga-                          | inches in diameter          |
| disease stress  | or has been stre           | ssed by other pesticide ca     | arryover or application.                 |          |                | tion systems with a                              | whichever comes first.      |
|   |                            |                                |  |          | (              | mechanical transfer                              | Apply to SUSCEPTIBLE        |
| <ul> <li>Do not add a s</li> </ul>                          | urfactant or crop          | o oil when applying to und     | derseeded alfalfa or                     |          |                | loading system only.                             | broadleaf weeds up to the   |
| increased injur   | y will occur.              | ulan turatan buruhan d         | alfalfa within 20 days                   |          | 1              | See MIXING LOADING                               | 4 leaf stage, 2 inches in   |
| <ul> <li>Do not cut for 1<br/>following treats</li> </ul>   | eeu or graze sp<br>nont    | mig treated underseeded        | i anada within 30 days                   |          |                | AND HANDLING                                     | height or 1 inch in diam-   |
| <ul> <li>Do not cut for f</li> </ul>                        | eed or graze fal           | l or winter treated unders     | eeded alfalfa until                      |          | 1              | INSTRUCTIONS Sec-                                | eter, whichever comes       |
| spring, at least  | 60 days followin           | ng treatment.                  |  |          |                | BBOCI FAN applica                                | n#SI.                       |
| <ul> <li>Reduced weed</li> </ul>                            | control may oc             | cur when weeds are stre        | ssed from lack of moisture               | •        |                | tions made when                                  |                             |
| or cold temperative   | atures.                    |                                |  |          | ]              | temperatures are                                 |                             |
| <ul> <li>Refer to labels</li> </ul>                         | of products use            | d in tank mixture of addit     | ional restrictions and                   |          |                | expected to exceed                               |                             |
| precautions.  |                            |                                |  |          |                | 85°F at and 3 days                               |                             |
| <ul> <li>Do not plant ro</li> </ul>                         | tational crops u           | nui the following use seas     | ion.<br>nonumil/A /2 pinto               |          |                | following application                            |                             |
| <ul> <li>The total cumu</li> <li>Broclosp(A)</li> </ul>     | native rate must           | HOLEKCEEU U.S ID. AI DIOP      | novyniva (z pinis                        |          |                | can result in unaccep-                           |                             |
| biocleatvA).  |                            |                                | ,  | ······   | L              | table crop injury.                               |                             |

## **BROCLEAN®**

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APPLICATION TIMING AND SPECIFIC COMMENTS

14/

|                         |                | EC NO 24704-8                                | 01                         | PRODUCT  | RATE                      | CROP                                  | WEEDS                            |
|-------------------------|----------------|--|----------------------------|--|---------------------------|---------------------------------------|----------------------------------|
|                         | LIAN           | LG. NO. 347 04-0                             | 51                         | HOULEAN  | 72-94 pint/A              | California Washington                 | tank mixed with Pursuit          |
| A                       | PPLICATION T   | MING AND SPECIFIC C                          | OMMENTS                    | Pursuit  | 3-6 oz./A                 | Oregon, Idaho, Mon-                   | will control common lambs-       |
| PRODUCT                 | RATE           | CROP   | WEEDS                      | +  | +                         | tana, Wyoming,                        | quarters up to 2 inches          |
| BROCLEAN                | 1 pint/A       | Apply in the fall or                         | This tank mix improves     | non-ionic  | 1 qt/100 gals.            | Colorado, Utah,                       | in height plus weeds list-       |
|                         | +              | spring to seedling                           | control of pigweed (sp),   | surfactant   |                           | Nevada, Arizona, New                  | ed on the Pursuit label.         |
| BUTTHAC ~ 200           | I quari/A      | alialia when the                             | tard Apply when weeds      |  |                           | Mexico, and the wes-                  | BHOCLEAN at % pint/A +           |
| (2,4-00)                |                | has a minimum of 4                           | do not exceed the 4 leaf   |  |                           | Dakota South Dakota                   | MOST SUSCEPTIBLE                 |
|                         | 1              | trifoliate leaves. When                      | stage, 2 inches in height  |  |                           | Nebraska and Kansas:                  | annual broadleaf weeds           |
|                         |                | alfalfa stand is uneven                      | or 1 inch in diameter,     |  |                           | Apply in the fall or                  | (See General Weed List)          |
|                         |                | and conditions favor                         | whichever comes first.     |  | 1                         | spring to seedling                    | when weeds do not                |
|                         |                | leat burn, unacceptable                      | BHUCLEAN +                 |  | 1                         | alfalia when the                      | exceed the 4 leaf stage, 2       |
|                         |                | to alfalfa in the 2 tri-                     | tures will not adequately  |  | 1                         | has a minimum of 2                    | in diameter whichever            |
|                         |                | foliate or smaller stage                     | control over-wintered      |  |                           | trifoliate leaves.                    | comes first plus weeds           |
| l                       |                | of growth. If you are                        | pennycress, henbit and     |  | }                         | When alfalfa stand is                 | listed on the Pursuit label      |
|                         |                | unsure of growth stage                       | mustards.                  |  |                           | uneven and conditions                 | Applications should be           |
|                         |                | conditions, contact                          |                            |  |                           | tavor leatburn, unac-                 | made when the majority           |
|                         |                | service. In the states                       |                            |  | · .                       | may occur to alfalfa                  | of the weeds are 1-3 inch-       |
|                         |                | of California, Wash-                         |                            |  | }                         | treated prior to the                  | lambsquarters do not             |
|                         |                | ington, Oregon, Idaho,                       |                            |  |                           | 2nd trifoliate stage of               | exceed 4 inches in height.       |
|                         |                | Montana, Wyoming,                            |                            |  |                           | growth. If you are un-                | For low growing weeds            |
|                         |                | Colorado, Utah, Nevada,                      |                            |  |                           | sure of growth stage                  | (such as mustards) apply         |
|                         |                | and the western halves                       |                            |  | {                         | vour local extension                  | ovceode 3 inches in diam.        |
|                         |                | of North Dakota, South                       |                            |  | 1                         | service. BROCLEAN                     | eter. Refer to the Pursuit       |
|                         |                | Dakota, Nebraska and                         |                            |  |                           | + Pursuit applications                | label for a list of suscepti-    |
|                         |                | Kansas, BROCLEAN                             |                            |  |                           | made when temper-                     | ble weeds at each of the         |
|                         |                | applications made                            |                            |  |                           | atures are expected                   | recommended rates.               |
|                         |                | when temperatures are                        |                            |  |                           | to exceed /0° F at                    |                                  |
|                         |                | 80°F at and 3 days                           |                            |  | 1                         | applications can result               |                                  |
|                         | !              | following application                        |                            |  |                           | in unacceptable crop                  |                                  |
|                         |                | can result in unaccep-                       |                            |  | l                         | injury.                               |                                  |
|                         |                | table crop injury. In the                    |                            | DECEDICTIONS   |                           | DONE: Alfalfa /Saadlin                | <b></b> )                        |
|                         |                | PROCLEAN applica-                            |                            | Crop leaf burn c   | an occur followi          | ng BROCLEAN applicati                 | on. Warm humid conditions        |
|                         |                | tion made when temp-                         |                            | may enhance lea  | af burn. New cr           | op growth will not be affe            | cted. Alfalfa yield should not   |
|                         | [              | eratures are expected                        |                            | be reduced altho   | ough total bioma          | ss tonnage may decreas                | se compared to a weedy field     |
|                         |                | to exceed 70°F at and                        |                            | due to weed rem  | noval.                    | or moisture, tompomture               | incost or discoso stross or      |
|                         |                | 3 days following app-                        |                            | has been stress  | ed by other pes           | icide carryover or applica            | ation.                           |
|                         |                | lication can result in                       |                            | <ul> <li>Do not add a su</li> </ul>                                | factant or crop           | oil unless specified in the           | e use directions because         |
|                         | ]              | iniury Bainfall or over                      |                            | increased alfalfa  | injury will occur         |                                       |                                  |
|                         | <u>,</u>       | head irrigation within                       | 1                          | <ul> <li>Do not cut for fee</li> <li>Do not cut for fee</li> </ul> | d or graze spring         | i treated alfalta within 30 c         | lays following treament.         |
|                         |                | 7-10 days following a                        |                            | following treatme  | eo or graze rain<br>ent.  | or writter treated allaha u           | nui spring, ar least ou uays     |
|                         |                | BUTYRAC <sup>®</sup> applica-                |                            | <ul> <li>The total cumulat</li> </ul>                              | ive rate of BRO0          | LEAN may not exceed 0,                | 5 lb ai bromoxynil/A (2 pints    |
|                         |                | tion can cause unac-                         |                            | Broclean/A).   | •                         |                                       |                                  |
| BROCLEAN                | 3/4 - 1 pint/A | In the states of Cali-                       | This tank mix will control | <ul> <li>The use of Epta</li> <li>application of PE</li> </ul>     | m <sup>e</sup> preemerger | ce may enhance crop le                | at burn from postemergence       |
| +                       | +              | fornia, Washington,                          | MOST SUSCEPTIBLE           | <ul> <li>Follow all restrict</li> </ul>                            | tions and preca           | utions on the tank mixture            | e product label when a           |
| Pursuit®                | 3-6 ounces/A   | Oregon, Idaho, Mon-                          | broadleaf weeds (See       | <b>BROCLEAN</b> tan  | k mixture is use          | d.                                    | · · · · · · · · · · · · · · · ·  |
| +                       | +              | tana, Wyoming, Col-                          | General Weed List)         | <ul> <li>Tank mixture wit</li> </ul>                               | h 2,4-DB may r            | esult in unacceptable cro             | p leat burn especially under     |
| non-ionic<br>surfactant | i di 100 gais. | Arizona New Mexico                           | exceed the 4 leaf stage    | • RROCLEAN alo   | eather conditions         | s.<br>ed to spedling alfalfa that     | has been underseeded             |
| Surfactorit             |                | and the western halves                       | 2 inches in height or 1    | into barley, oats.   | rve, triticale, wh        | eat that include wheat, b             | parley, oats, rve and triticale. |
|                         | 1              | of North Dakota, South                       | inch in diameter, which    | See application  | restrictions unde         | er the BARLEY, OATS, R                | YE, TRITICALE, WHEAT             |
|                         |                | Dakota, Nebraska and                         | ever comes first; and      | SECTION.   |                           |                                       |                                  |
|                         | ł              | Kansas: Apply in the                         | other grass and broad-     | Hainfall or overn  | ead irrigation w          | ithin 7-10 days tollowing I           | BUTYHAC 200 application          |
|                         |                | ling atfalfa when the                        | Pursuit label. Weeds       |  | ceptable crop in          | jury.                                 |                                  |
|                         | · ·            | majority of the field has                    | should be 1-3 inches tall  |  | FLAX                      | Linium usitatissium on                | ily)                             |
|                         |                | a minimum of 2                               | for optimum control.       |  | BROCL                     | EAN RECOMMENDATIO                     | ONS                              |
|                         |                | trifoliate leaves.                           | р.<br>Г                    | PRODUCT  | RATE                      | CROP                                  | WEEDS                            |
|                         |                | when allalla stand is                        |                            | BROCLEAN   | 1 pint/A                  | Apply to flax that is 2               | Apply to MOST SUSCEP-            |
|                         |                | favor leafburn, unaccep-                     |                            |  | ·                         | to 8 inches in height.                | TIBLE weeds that do not          |
|                         |                | table crop injury may                        |                            |  |                           | Do not apply BRO-                     | exceed the 4 leaf stage, 2       |
|                         | 1              | occur to alfalfa treated                     | 1                          |  | [                         | OLEAN to flax during                  | inches in height or 1 inch       |
|                         |                | prior to the 2nd trifoliate                  |                            |  | 1                         | of aller the bud stage.               | comes first                      |
|                         |                | siage or growth. If you are unsure of growth |                            |  | ±                         | · · · · · · · · · · · · · · · · · · · |                                  |
|                         | ļ              | stage conditions.                            |                            | B  | ROCLEAN TAI               | IK MIXTURE RECOMM                     | ENDATIONS                        |
|                         | 1              | contact your local                           |                            | A  | PPLICATION T              | IMING AND SPECIFIC                    |                                  |
|                         | ļ              | extension service.                           | ļ                          | BBOOLEAN   | I nint/A                  | Apply to flav that is 2               | This tank mix will control       |
|                         | ľ              | BHOCLEAN + Pursuit                           |                            | +  | +                         | to 8 inches in height.                | broadleaf weeds plus             |
|                         |                | when termoratures                            |                            | Poast  | 1-11/2 pints/A            | Do not apply this tank                | grassy weeds listed on           |
|                         |                | are expected to exceed                       |                            | +  | +                         | mix to flax during or                 | the Poast label. Apply to        |
| •                       | .              | 80° F at and 3 days                          |                            | Crop oil   | 2 pints/A                 | atter the bud stage,                  | MOST SUSCEPTIBLE                 |
|                         | 1              | following application                        | 1                          | Concentrate or   | Or<br>2 pinte/A           | ur within 75 days of                  | proadleat weeds (see list        |
|                         |                | can result in unaccep-                       |                            | Dasilw   | z prits/A                 | IIGA HAI VESL                         | that do not exceed the 4         |
|                         | l              | lable crop injury.                           | <u> </u>                   |  | 1                         |                                       | leaf stage, 2 inches in          |
|                         |                |  |                            |  | ł                         |                                       | height or 1 inch in dia-         |
|                         |                |  |                            |  |                           |                                       | meter, whichever comes           |
|                         |                |  |                            |  | L                         | L                                     |                                  |



#### RESTRICTIONS AND PRECAUTIONS: Mint

- Application made to mint when temperatures are expected to exceed 70°F at or 5 days following application may result in unacceptable crop injury. This injury is more likely to occur following BROCLEAN application in the spring.
- Do not apply to mint growing under adverse conditions including diseases, insects, nematodes, high salt content soil, drought, excessive moisture, winter damage or other environmental stress.
- Application of BROCLEAN to mint should not be made within two weeks of a Sinbar<sup>®</sup> application or unacceptable crop injury may result.
- Do not use in spring on newly established mint. Fall applications to spring planted mint should be acceptable if the crop is well established.
- BROCLEAN can cause temporary stunting and discoloration of the mint particularly from the spring application. However, the injury symptoms are only temporary and have not caused yield reduction.
- Use of BROCLEAN in combination with other products may increase temporary stunting and discoloration.
- · Do not harvest within 70 days following treatment.
- Do not apply more than 0.5 lb ai of bromoxynil per acre to mint in a single growing season.

- application still may cause injury to onions under certain circumstances. • Do not irrigate onions that have received a preemergence application of BROCLEAN for 2 days following application or within 3 days of crop emergence.
- Do not use BROCLEAN preemergence to onions grown west of the Mississippi River.
- Do not use BROCLEAN on onions grown under low light intensity, in areas such as Oregon, west of the Cascades.
- Do not treat onions damaged by sand, insects, or diseases.
- Do not apply postemergence applications of BROCLEAN to onions with aerial
- equipment. • Do not add surfactant.
- Maximum 0.5 lb ai/A per season.
- Observe a minimum 30 day preharvest interval.
- Observe a minimum 30 day prenarvest mierval.

|   | GRASS CROPS                              |
|---|--|
|   | CONSERVATION RESERVE PROGRAM (CRP) AREAS |
|   | BROCLEAN RECOMMENDATIONS                 |
|   | APPLICATION TIMING AND SPECIFIC COMMENTS |
| _ |  |

|        |                               | ÷  |  |
|--------|-------------------------------|--|--|
| OCLEAN | 1-2 pints/A                   | Apply to grasses after<br>emergence. If alfalfa is<br>planted, apply after the<br>4 trifoliate leaf stage.   | Apply to MOST SUS-<br>CEPTIBLE and SUS-<br>CEPTIBLE broadleaf<br>weeds up to the 4 leaf<br>stage, 2 inches in height<br>or 1 inch in diameter,<br>whichever comes first. |
| · .    | Chemigation<br>2 pints/A only | Apply to grasses after<br>emergence. If alfalfa<br>is planted apply after<br>the 4 trifoliate leaf stage.<br>Apply through auto-<br>mated sprinkler irriga-<br>tion systems with a<br>mechanical transfer<br>loading system only.<br>See MIXING, LOADING<br>AND HANDLING<br>INSTRUCTIONS<br>section for complete |  |

details.

|   |                      | ACHE                                | SQ.FI.          | · · · · · · · · · · · · · · · · · · ·  |  |
|---|----------------------|-------------------------------------|-----------------|--|--|
| _ | BROCLEAN<br>contid.: | Chemi-<br>gation<br>2 pints<br>only | 0.75 fl.<br>oz. | Apply to established<br>and newly seeded<br>grasses grown for seed<br>or sod production before<br>the boot stage. Apply<br>through automated<br>sprinkler imgation<br>systems with mechanical<br>transfer loading system<br>only. See MIXING,<br>LOADING AND<br>HANDLING INSTRUC-<br>TIONS section for |  |

RATE Per 1000

RATE

Per

Product

RESTRICTIONS AND PRECAUTIONS: Grasses grown for seed or sod production.

complete details. Refer to the list of established grasses that are tolerant to BROCLEAN.

APPLICATION TIMING AND SPECIFIC COMMENTS ATE RATE CROP WEEDS

Do not allow livestock to graze in treated areas or feed treated grasses to livestock.
Do not apply BROCLEAN to grasses grown for seed or sod production with backpack or hand-held application equipment.

Maximum 0.5 lb ai/A per season.

| NON-RI           | ESIDENTIAL  | . TURFGRA   | SS                                      |
|------------------|-------------|-------------|---|
| BROCLI           | EAN RECOM   | IMENDATIO   | DNS                                     |
| Seedling and Est | ablished No | on-Resident | ial Turfgrass                           |
| APPLICATION TI   | MING AND    | SPECIFIC    | COMMENTS                                |
|                  |             |             | 1 |

|   | BROCLEAN                        |  | APPL  | CATIO    |                         |                                  |
|---|---------------------------------|--|---|----------|-------------------------|----------------------------------|
|   | APPLICATIO                      |  | RATE  | RATE     |                         |                                  |
| PRODUCT   | RATE                            | CROP   | WEEDS   | Product  | Per                     | Per 1                            |
| BROCLEAN<br>+<br>Rhomene<br>or Rhonox<br>(MCPA) | 1-2 pints/A<br>+<br>¼ -½ pint/A | Apply to CRP areas<br>after grasses have<br>reached the 3 leaf<br>stage.Do not use this<br>tank mixture in areas<br>where alfalfa or other | This tank mix improves<br>control of mustards, pig-<br>weed, and kochia. Apply<br>up to the 4 leaf stage, 2<br>inches in height or 1 inch<br>in diameter, whichever | BROCLEAN | ACRE<br>1 to 2<br>pints | SQ.F<br>.0375<br>0.75<br>fl. oz. |
|   |                                 | legumes have been planted.   | comes first.  |          |                         | ]                                |

RESTRICTIONS AND PRECAUTIONS: CRP AREAS

• Do not allow livestock to graze in treated areas or feed treated grass and forage to livestock.

- · Do not add spray adjuvants or fluid fertilizers when applying BROCLEAN to CRP
- Do not abl spia adjustmiss of indire legumes.
  Do not apply BROCLEAN to CRP areas planted with alfalfa if temperatures are expected to exceed 80°F or severe crop injury may occur. If legumes other than alfalfa have been planted, severe crop injury may occur at any application temperature.
- Do not apply more than 1½ pints/A of BROCLEAN to CRP areas that are underseeded with alfalfa. • Maximum 0.5 lb ai/A per season.

RODU

 Maximum rate for areas underseeded with alfalfa is 0.375 lb ai bromoxynil (1.5 pints/A Broclean) per year.

## GRASSES GROWN FOR SEED OR SOD PRODUCTION BROCLEAN RECOMMENDATIONS Seedling and Established Grasses

| APPL  | ICATION | TÌMING AND | SPECIFIC | COMMENTS |
|-------|---------|------------|----------|----------|
| 1 7 7 | DATT    | Topon      |          | MICEOC   |

| Product  | RATE<br>Per<br>ACRE | RATE<br>Per 1000<br>SQ.FT. | CROP  | WEEDS   |
|----------|---------------------|----------------------------|---|---|
| BROCLEAN | 1 to 2<br>pints     | 0.375 to<br>0.75 fl. oz.   | Apply to established<br>and newly seeded<br>grasses for seed or sod<br>production before the<br>boot stage. Established   | Refer to the General<br>Weed List for a listing of<br>susceptible broadleaf<br>weeds.   |
|          |                     |                            | grasses tolerant to<br>BROCLEAN include<br>bentgrasses, Kentucky<br>Bluegrass, Fescues,<br>Ryegrass, Bermuda-<br>grass, St. Augustine-<br>grass and Zoysiagrass.<br>BROCLEAN may also<br>be used on seedling<br>grasses such as Merion,<br>Park, Delta, or common<br>Kentucky Bluegrasses,<br>Pennlawn, Chewings,<br>Illahee or Ata Fescues,<br>Orchardgrass, Highland,<br>Seaside or Astoria Bent-<br>grasses, perennial Rye-<br>grasses, Bahiagrass<br>and Zoysiagrass. | Optimal control will be<br>attained when weeds are<br>treated in the seedling<br>stage (less than 4 leaf<br>stage, 2 inches in height,<br>or 1 inch in diameter). |

|          | RATE            | RATE                        | CROP  | WEEDS  |
|----------|-----------------|-----------------------------|---|--|
| Product  | Per<br>ACRE     | Per 1000<br>SQ.FT.          |   |  |
| BROCLEAN | 1 to 2<br>pints | .0375 to<br>0.75<br>fl. oz. | Apply to established<br>and newly seeded non-<br>residential turfgrass<br>when weeds are small<br>and actively growing.<br>Established turfgrasses<br>that are tolerant to<br>BROCLEAN include<br>bentgrasses, Kentucky<br>Bluegrass, Fescues,<br>Ryegrass, Bermuda-<br>grass, St. Augustine-<br>grass and Zoysiagrass.<br>BROCLEAN may also<br>be used on seedling<br>grasses such as Merion,<br>Park, Deita, or com-<br>mon Kentucky Blue-<br>grasses, Pennlawn,<br>Chewings, Illahee or<br>Alta Fescues, Orchard-<br>grass, Highland, Sea-<br>side or Astoria Bent-<br>grasses, perennial Rye-<br>grasses, perennial Rye-<br>grasses, Bahiagrass<br>and Zoysiagrass. | Refer to the General Weed<br>List for a listing of<br>susceptible broadleaf<br>weeds.<br>Optimal control will be<br>attained when weeds are<br>treated in the seedling<br>stage (less than 4 leaf<br>stage, 2 inches in height,<br>or 1 inch in diameter). |

RESTRICTIONS AND PRECAUTIONS: Non-residential turfgrasses

Do not allow livestock to graze in treated areas or feed treated grasses to livestock.
Do not apply BROCLEAN to non-residential turf with backpack or hand-held application

equipment. Maximum 0.5 lb ai/A per season.

17/8

## NON-RESIDENTIAL TURFGRASS BROCLEAN TANK MIXTURE RECOMMENDATIONS Established Non-Residential Turtgrass APPLICATION TIMING AND SPECIFIC COMMENTS

| RATE         | RATE                   |                         | CROP  | WEEDS                                |
|--------------|------------------------|-------------------------|---|--------------------------------------|
| Product      | Per                    | Per 1000                |   | ~                                    |
|              | 2 Dinte                | 0.75                    | Apply to established  | All wood species provi-              |
| +<br>Weedone | 2 Pints<br>+<br>3 to 4 | fl. oz.                 | non-residential turf  | ously listed in the General          |
| DPC Ester    | Pints                  | 1.125 to                | ment may cause  | plus the following species:          |
|              |                        | 1.5 fl. oz.             | injury to bentgrasses,  | Dandelion (Taraxacum                 |
|              | -                      |                         | St. Augustinegrass,   | Officinale)                          |
|              |                        |                         | centipedegrass, and   | Ground Iw (Glechoma                  |
|              |                        |                         | ourpeigiass.  | hederacea)                           |
|              |                        |                         |   | Red Clover (Trifolium                |
|              |                        |                         | *   | pratense)                            |
|              |                        |                         |   | renens)                              |
|              |                        |                         |   | Hop Clover (Trifolium                |
|              |                        |                         |   | agrarium)                            |
|              |                        |                         |   | (Stollaria modia)                    |
|              | •                      |                         | х.  | Prostrate Spurge                     |
|              |                        |                         |   | (Euphorbia supina)                   |
|              |                        |                         |   | Oxalis (Oxalis europaea)             |
|              |                        |                         |   | Anolweed (Polygonum                  |
|              |                        |                         |   | Optimal control will be              |
|              |                        |                         |   | attained when weeds are              |
|              |                        |                         |   | treated in the seedling              |
|              |                        |                         |   | stage (less than 4 leat              |
|              |                        |                         |   | or 1 inch in diameter).              |
| BROCLEAN     | 2 Pints                | 0.75 fl. oz             | Apply to established  | All weed species previ-              |
|              | +                      | +                       | non-residential turf-   | ously listed in the General          |
| NCPP         | 1.0 lb ai              | 0.025 ID al.            | grass only. This treat-   | plus the following                   |
|              |                        |                         | mended for use on   | species:                             |
|              |                        |                         | St. Augustinegrass or   | Red Clover (Trifolium                |
|              |                        |                         | centipedegrass.   | pratense)<br>White Clover (Trifolium |
|              |                        |                         |   | repens)                              |
|              |                        |                         |   | Common Chickweed                     |
|              |                        |                         | -   | (Stellaria media)                    |
|              | :                      |                         |   | (Corastium vulgatum)                 |
|              |                        |                         |   | Ground ivy (Glechoma                 |
|              |                        |                         |   | hederacea)                           |
|              |                        |                         |   | Stitchwort (Stellaria                |
|              |                        |                         |   | Knotweed (Polvaonum                  |
|              |                        |                         | ·   | aviculare)                           |
|              |                        |                         |   | Prostrate Spurge                     |
|              |                        | •                       |   | (Euphorbia supina)                   |
|              |                        |                         | 1. Sec. | attained when weeds are              |
|              |                        |                         |   | treated in the seedling              |
|              |                        |                         |   | stage (less than 4 leaf              |
|              |                        |                         |   | or 1 inch in diameter).              |
| BROCLEAN     | 2 Pints                | 0.75 fl. oz             | Apply to established  | All weed species previ-              |
| +            | +                      | +                       | non-residential turf-   | ously listed in the General          |
| Dicampa      | 0.12510<br>0.251bai    | 0.006 to<br>0.012 lb ai | grass only. This treat-   | and the following species:           |
|              | • •                    | 0.012 10 21             | injury to bentgrasses,  | Red Clover (Trifolium                |
|              |                        |                         | St. Augustinegrass,   | pratense)                            |
|              |                        |                         | centipedegrass, and   | White Clover (Tritolium              |
|              | •                      |                         | carpeigrass.  | Common Chickweed                     |
|              |                        |                         |   | (Stellaria media)                    |
|              |                        |                         |   | Mouseear Chickweed                   |
|              |                        |                         |   | (Cerastium vulgatum)                 |
|              |                        |                         |   | spp.)                                |
|              |                        |                         |   | Knotweed (Polygonum                  |
|              |                        |                         |   | aviculare)                           |
|              |                        |                         |   | Uptimal control will be              |
|              |                        |                         |   | treated in the seedling              |
|              |                        |                         |   | stage (less than 4 leaf              |
|              |                        |                         |   | stage, 2 inches in height,           |
|              |                        |                         |   | or inchinulameter).                  |

|                                       | RATE   | RATE   | CROP  | WEEDS   |
|---------------------------------------|--|--|---|---|
| Product                               | Per  | Per 1000   |   |   |
|                                       | ACRE   | SQ.FT.   |   |   |
| BROCLEAN<br>+<br>MCPP<br>+<br>Dicamba | 2 Pints<br>+<br>0.5 to<br>1.0 lb ai<br>+<br>0.125 to<br>0.25 lb ai | 0.75 fl. oz.<br>+<br>0.0125 to<br>0.025 lb ai<br>+<br>0.003 to<br>0.006 lb ai  | Apply to established<br>non-residential turf-<br>grass only. This treat-<br>ment is not recom-<br>mended for use on<br>St. Augustinegrass or<br>centipedegrass. | All weed species previ-<br>ously listed in the General<br>Weed List for BROCLEAN<br>and BROCLEAN/<br>Dicamba tank mixtures<br>plus the following species:<br>Dandelion ( <i>Taraxacum</i><br><i>officinale</i> )<br>Plantains ( <i>Plantago</i> spp.)<br>Optimal control will be<br>attained when weeds are<br>treated in the seedling<br>stage (less than 4 leaf<br>stage, 2 inches in height,<br>or 1 inch in dismethy.   |
| BROCLEAN<br>+<br>MCPP<br>+<br>2,4-D   | 2 Pints<br>+<br>0.5 to 1.0<br>Ib ai<br>+<br>0.5 to 1.0<br>Ib ai    | 0.75 fl. oz.<br>+<br>0.0125 to<br>0.025 lb ai<br>+<br>0.0125 to<br>0.025 lb ai | Apply to established<br>non-residential turf-<br>grass only. This treat-<br>ment is not recom-<br>mended for use on<br>St. Augustinegrass or<br>centipedegrass. | of Thechneter (<br>All weed species previ-<br>ously listed in the General<br>Weed List for BROCLEAN<br>and BROCLEAN/2,4-D<br>tank mixtures plus the<br>following species:<br>Dandelion ( <i>Taraxacum</i><br>officinale)<br>Plantains ( <i>Plantago</i> spp.)<br>Red Sorrel ( <i>Rumex</i><br><i>acetosella</i> )<br>Knotweed ( <i>Polygonum</i><br><i>aviculare</i> )<br>Optimal control will be<br>attained when weeds are<br>treated in the seedling<br>stage (less than 4 leaf<br>stage, 2 inches in height,<br>or 1 inch in diameter).<br>Optimal control of red<br>sorrell will require the<br>high use rate of 2,4-D or<br>MCCPP |

RESTRICTIONS AND PRECAUTIONS: Tank Mixture Recommendations Non-residential turfgrasses

· BROCLEANWEEDONE DPC tankmixes are not allowed in California.

Do not allow livestock to graze in treated areas or feed treated grasses to livestock.
Do not apply BROCLEAN to non-residential turl with backpack or hand-heid

application equipment.

Maximum 0.5 lb ai/A per season.

| NON-CROPLAND                      |
|-----------------------------------|
| NON-CROPLAND AND INDUSTRIAL SITES |
| BROCLEAN RECOMMENDATIONS          |

| APPLICATION TIMING AND SPECIFIC COMMENTS |                     |                            |  |  |  |  |
|--|---------------------|----------------------------|--|--|--|--|
| Product                                  | RATE<br>Per<br>ACRE | RATE<br>Per 1000<br>SQ.FT. | CROP   | WEEDS  |  |  |
| BROCLEAN                                 | 1 to 2<br>Pints     | 0.375 to<br>0.75 fl. oz.   | Apply to non-cropland<br>and industrial sites<br>when weeds have<br>emerged and are<br>actively growing. | Refer to the General<br>Weed List for a listing<br>of susceptible broadleaf<br>weeds. Use adequate<br>spray volumes to ensure<br>thorough coverage.<br>Optimal control will be<br>attained when weeds are<br>treated in the seedling<br>stage (less than 4 leaf<br>stage, 2 inches in height,<br>or 1 inch in diameter). |  |  |

**RESTRICTIONS AND PRECAUTIONS: Non-Cropland and Industrial Sites** . Do not allow livestock to graze in treated areas or feed treated plant material to

livestock. · Addition of surfactant or crop oil concentrate may improve burndown of broadleaf

weeds under cool, dry conditions. • Do not apply BROCLEAN to non-cropland and industrial sites with backpack or

hand-held application equipment. • Maximum 0.5 lb ai/A per season.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Do not store near fertilizers or seeds. Store at temperatures above 30°F. If allowed to freeze, remix before using.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be dis-

posed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide

#### Storage & Disposal cont'd.:

containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For refillable containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC - 1-800-424-9300.

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Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks Follow the Directions for Ose of this product carried with the subject of eliminate at hists inherently associated with the use of this product. Crop or other plant injury, ineffective-ness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product slabel or use of this product contrary to the label instructions, all of which are beyond the con-trol of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

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