34704 - 891

2/5/2010



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

> OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

FEB 5 2010

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

 SUBJECT: Notification to update Medical Emergency Number and Warranty Statement per PR Notice 98-10
 EPA Registration Number: 34704-891
 Date of Submission: January 18, 2010

Dear Mr. Mason:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated, January 18, 2010, for the above mentioned product. 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

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		Application	for Pesticide - Sect	tion I		
I. Company/Product Num 34704-891	ber		2. EPA Product Mana Jim Tompkins	ager	3. f	Proposed Classification
4. Company/Product (Nan Broclean	ne)		РМ# Team 25			
5. Name and Address of /	Applicant <i>(Include ZIP Co</i>	de)	6. Expedited Rev	eiw. In accord	lance wit	h FIFRA Section 3(c)(3)
Loveland Products, P.O. Box 1286 Greeley, Colorado	Inc. 80632-1286		(b)(i), my product i to: EPA Reg. No	s similar or idei	ntical in c	omposition and labeling
Check if t	his is a new address		Product Name			
			Section - II			
Amendment - Expl Resubmission in re Notification - Exple Explanation: Use addit	ain below. sponse to Agency letter ain below.  ional page(s) if necessar	dated	Final printed Agency lett "Me Too" A Other - Expl	d labels in repson er dated opplication. lein below.	FEB -	5 2010
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EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

Yellow - Applicant Copy

		$\sum_{i=1}^{n}$	15
	Performance	Quality	Value
Loveland			

January 18, 2010

PRODUCTS INC.

Document Processing Desk (NOTIF) Office of Pesticide Programs (7504C) U.S. Environmental Protection Agency Room S4900, One Potomac Yard 2777 S Crystal Drive Arlington VA 22202

Subject: Broclean herbicide, EPA Reg. No. 34704-891

Loveland Products, Inc. is submitting this notification in accordance with PR Notice 98-10 to accomplish these label updates:

#### 1. Update Medical Emergency Number per PR Notice 98-10

#### 2. Update Warranty Statement per PR Notice 98-10

Please find the following supporting documentation enclosed:

- 1. Form 8570-1 Application for Registration
- 2. 2 copies of revised label
- 3. Copy of EPA letter dated May 11, 2009 approving our warranty statement
- 4. E-Label Certification Statements
- 5. CD ROM Containing Searchable PDF Files

#### Update Medical Emergency Number, Update Warranty Statement:

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 at 970-534-3415 or by e-mail (chris.mason@cpsagu.com) if there are any questions or comments concerning this submission.

Sincerely,

Chris Masop

Registration Manager Enclosures



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# Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL					
EPA Registration #	Date Submitted to EPA	Electronic file name			
34704-00891	2010/01/18	034704.00891.20100118120905V10D01B1 0.pdf			

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

Signature

01/18/2010

Date

Christopher J. Mason Name (typed)

Manager Registrations, Loveland Products, Inc. Title



NUTIFICATION

FEB - 5 2010



# 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%
NERT INGREDIENTS**:	 66.6%
	00.0%

\*\* 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> <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.
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 -20 minutes.</li> </ul>
	<ul> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
	Call a poison control center or doctor for treatment advice.
If Inhaled:	Move person to fresh air.
	<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>

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: 1-866-944-8656.

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)

IHT 120905 V10D 01B10

# 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 eyewear,
- · 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. Folkow 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. 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 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.

### BROCLEAR® EPA REG. NO. 34704-891

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.

- 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, 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 evewear.

#### **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 alfalta, 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 activ-ity. 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 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  $\frac{1}{2}$  to  $\frac{3}{4}$  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. If 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.

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

INSECTICIDE		
CONNOIL NAME		FORMULATION
Diazinon	Various	Emulsitiable Concentrate
Dimethoate	Various	Emulsifiable Concentrate
Trichlorfon	Dylox <sup>®</sup>	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	
CROP	GROUND	AERIAL	IRRIGATION	
Corn (field and pop)	X	X	X	
Sorghum (grain and forage) and Sudangrass	х	х	x	
Small grains	X	X	X	
Seedling alfalfa	X	X	X	
Flax	Х	Х		
Garlic	X	Х	X	
Onions	X		X	
Mint	X		X	
Grass grown for seed or sod				
production	х	х	х	
Conservation Reserve Program				
(CRP) areas	х	х	Х	
Non-residential turfgrass	Х	X		
Non-cropland/Industrial sites	Х	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 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 mph may be used with higher speed, low volume ground application if ground terrain, crop and weed density allow effective spray distribution.

# BROCLEX Reg. NO. 34704-891

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.

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

#### **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

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 log; 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.

strict vertical air mixing, which causes small suspended

#### Sensitive Areas

high. Temperature inversion

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 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 pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quickclosing check valve to prevent the flow of fluid back toward the injection pump.
- 3. 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 the pesticide injection pump when the water pump motor stops.
- 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.
- 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 treatment.
- 8. Agitation is recommended in the pesticide supply tank when applying the BROCLEAN.
- 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.
- 10. For best performance, set the sprinkler system to deliver approximately 0.5 inch or 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
- 13. Start the sprinklers and then inject BROCLEAN into the irrigation line. BROCLEAN 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 timings.

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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) 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) Silverteaf Nightshade (Solanum elaeagnifolium) Tartary Buckwheat (Fagopyrum tatoricum) Sunflower (Helianthus annus) Wild Buckwheat (Polygonum convolvulus)

1For 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 Cockle (Saponaria vaccaria) Giant Ragweed (Ambrosia trifida) Hemp Sesbania (Sesbania exaltata) lvyleaf morningglory (Ipomoea hederacea) Knawel (Scleranthus annus) 2Kochia (Kochia scoparia) London Rocket (Sisymbrium irio) Mayweed (Anthemis cotula) Pitted morningglory (Ipomoea lacunosa) Prostrate Knotweed (Polygonum aviculare) Puncturevine (Tribulus terrestris) 2Redroot 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 (Sinapis arvensis) 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), noinons, 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, 2,4-D and atrazine tank mixtures in corn and sorghum; 2,4-DB tank mixture in seedling alfalfa; 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 are 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

PB

Noncropland and Industrial Sites

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

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

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

BROCLEAR NK MIXTURE RECOMMENDATIONS					
BROCLEAN + atrazine	Premergence 34-1½ pints/A + ½-11/5 lb ai/A	Apply to corn or sorghum before planting until just prior to crop emergence	See CORN AND SORGHUM APPLICATION RATE TABLE - BROCLEAN + ATRAZINE TANK MIXTURES for list of weads and corresponding		
	34-1 pint/A + ½-11⁄5 Ib ai/A	Apply to corn after emergence but before corn is 12 inches tall. Apply to sorghum after the 3 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever corner	stages of growth that are controlled by BROCLEAN + Atrazine tank mixtures at rec- ommended rates of applica- tion. For control of additional weeds not listed in the rate table see the General Weed List.		
	1½ pints/A + ½-1½ lb ai/A	Apply to corn between the 4 leaf stage and before corn is 12 inches tall. Apply to sorghum between the 4 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height.			

#### 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 c	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 Cocklebur	(Xanthium strumarium)	6	8	8	10	
Common Lembsquarters	(Chenopodium album)	•	6	-	8	
Common Ragweed	(Ambrosia artemisiifolia)	6	4	8	6	
Eastern Black Nightshade	(Solanum ptycanthum)	6	6	6	6	
Giant Ragweed	(Ambrosia trifida)	6	4	6	6	
Hemp Sesbania	(Sesbania exaltata)	-	-	4	4	
lvyleaf Morningglory	(Ipornoea hederacea)	3	3	4	4	
Jimsonweed	(Datura stramonium)	4	4	6	6	
Kochia	(Kochia scoparia)	-	-	-	2	
Ladysthumb	(Polygonum persicaria)	4	4	6	6	
Pennsylvania Smartweed	(Polygonum pensylvanicum)	4	4	6	6	
Pitted Morningglory	(Ipomoea lacunosa)	3	3	4	4	
Redroot Pigweed 3	(Amaranthus retroflexus)	-	-	4	2	
Spiny Pigweed <sup>3</sup>	(Amaranthus spinosus)	-	-	4	2	
Sunflower	(Helianthus annus)	4	6	6	8	
Tall Morningglory	(Ipomoea purpurea)	3	3	4	4	
Tall Waterhemp <sup>3</sup>	(Amaranthus tuberculatus)	-	-	4	2	
Velvetleaf	(Abutilon theophrasti)	4	3	6	5	
Venice Mallow	(Hibiscus trionum)	-	-	4	2	
Wild Buckwheat	(Polygonum convolvulus)	4	6	6	8	
Wild Mustard	(Sinapis arvensis)	-	-	4	4	

#### WEEDS SUPPRESSED 2

 
 Canada Thiste
 Cirisium arvense)
 Not Recommended
 8 inch to bud stage

 <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
 may occur.

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

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.

whichever comes

first.

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# BROCLEAN®



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

WEED SPECIES 1	BROCLEAN AND ATRAZINE RATE (TANK MIX)												
	¾ Pi	nt/A	¾ Pin	VA .	1 Pin	VA	1 Pint/	Ά	1½ Pi	nts/A	1½ Pi	nts/A	
		+	+			۰.	+		+			+	
	½ lb	ai/A	1½ B	ai/A	½ Ib (	ai/A	11/5 lb	ai/A	½ lb a	ni/A	11/5 lb	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 strumanum)	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	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 exaltata)	4	4	4	4	4	4	4	4	4	4	4	4	
lvyleaf Momingglory (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	8	8	
Marestail (Conyza canadensis)	-	•	-	3	•	5	-	5	-	5	-	5	
Palmleaf Momingglory (Ipornoea wrightii)	-	-	4	3	4	3	4	3	4	8	4	3	
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	
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 (Ipomoea muricata)	-	•	2	3	2	3	2	3	2	3	2	3	
Redroot Pigweed <sup>3</sup> (Amaranthus retroflexus)	4	2	8	6	6	4	8	6	6	4	8	6	
Smallflower Morningglory (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 Morningdory (Ipomoea purpurea)	3	3	4	4	4	- 4	4	4	4	4	4	4	
Tall Waterhemp (Amaranthus tuberculatus)	4	2	8	6	6	4	8	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	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 2													
Canada thistle (Cirsium arvense)	Not Reco	mmended	Not Recor	nmended	8"-	bud	8"-	bud	8"-	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 ½ 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 FORMULATION	ATRAZINE RATE POUNDS OF ACTIVE INGREDIENT PER ACRE	ATRAZINE FORMULATION RATE PER ACRE						
Atrazine 4L	1/2	1 Pint						
	11/5	2 <sup>2</sup> /s Pints						
Atrazine 80WP	1/2	5/s Pound						
	11/5	1½ Pounds						
Atrazine 90	1/2	<sup>3</sup> /s Pound						
	11/5	11/3 Pounds						

1/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 Velvetieaf

For control of velvetleaf up to 14 inches in height, use posternergence application of BROCLEAN at  $1\frac{1}{2}$  to 2 pints/A or BROCLEAN + atrazine tank mixture at 1 pint/A +  $1\frac{1}{5}$  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 11/2 - 2 pints/A BROCLEAN at 1 - 11/2 pints/A + atrazine at 1/2 - 11/5 lbs 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 + Rifle or Clarity

at 1/8 - 1/4 pint/A BROCLEAN at 1 - 11/2 pints/A + 2,4-D at 1/8 - 1/4 lb ai/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 foliow 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
ADDI ICATION TIMING AND SDECIEIC COMMENTS

AF	PLICATION	IMING AND SPECIFIC CO	IMMENIS
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/a-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
			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 1/4-1/2 pint/A of
		stage (growth stage 4)	Rifle with BROCLEAN.
		or 15 inches in height,	
		whichever comes first.	
		Do not apply in the boot	
		stage. Use drop nozzles	
		if crop is taller than 8	
		inches.	

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	BROCLEAN®			APPLICAT TIMING AND SPECIFIC COMMENTS					
	EPA F	REG. NO. 34704-89	)1	BROCLEAN	1 pint/A	Apply to field corn after	All weeds controlled by		
				+	+	emergence and before	BROCLEAN + atrazine		
A	PPLICATION 1	IMING AND SPECIFIC CO	MMENTS	atrazine	½-11/51b ai/A	the corn is 12 inches tall.	tank mixtures at recom-		
BROCLEAN	1½ pints/A	Apply to field corn	WEEDS	+ 2.4-D	1/16-1/4 lb ai/A	is taller than 8 inches.	cation plus improved		
+	+	between the 4 leaf		(such as			devils claw control. For		
Rifle	1/8-1/2 pint/A	stage and before corn is		WEEDONE and		Apply to sorghum	Canada thistle burn-		
		before tassel emergence.		HERBICIDE)		and prior to the preboot	weed suppression, use		
		whichever comes first.				stage (growth stage 4) or	1/8 - 1/4 lb ai/A of 2,4-D		
		Apply to sorabum				12 inches in height, whichever comes first	with BROCLEAN.		
		between the 4 leaf stage				Use drop nozzles if crop			
		and prior to the preboot			414	is taller than 8 inches.			
		or 15 inches in height.			1 /2 pints/A	Apply to field corn between the 4 leaf stage			
		whichever comes first.			½-11/5 lb ai/A	and before the corn is 12			
		Do not apply in the boot			+ 1/18-1/4 lb ai/A	inches tall. Use drop			
		if crop is taller than 8			710-74 ID al/A	than 8 inches.			
PPOOL CAN	1 mint/A	inches.	-			Apply to correly up			
+	+	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-			and prior to the preboot			
+ Rifle	Ib ai/A  +	Apply to sorabum	mended rates of appli-			stage (growth stage 4) or 12 inches in height			
	1/8-1/4 pint/A	between the 3 leaf stage	control of pigweed. For			whichever comes first.			
		and prior to the preboot	field bindweed suppres-			Use drop nozzles if crop			
		or 12 inches in height,	Rifle/Clarity with	BROCLEAN	1 pint/A	Apply to field corn pre-	All broadleaf weeds		
		whichever comes first.	BROCLEÁN.	+ Accort®	+	emergence or post-	controlled by BRO-		
		Use drop nozzles if crop		+	-/3 02/A +	inches tall. Use drop	plus grasses and broad-		
	11/2 pints/A	Apply to field corn		non-ionic	1 qt/100	nozzles when corn is 24-	leaves controlled by		
	+	between the 4 leaf stage		sunactant	gal. of water (0.25% v/v)	36 inches tall. Do not apply this tank mix to	Accent. For optimum weed control, treat when		
	lb ai/A	inches tall.				sorghum.	broadleaves and		
	+ .	Analysia analysia			1½ pint/A	Apply to field corn between the 4 leaf stage	grasses are in the rec-		
	1/8 - 1/4 pint/A	between the 4 leaf stage			2/3 oz/A	up to 36 inches in height.	stage or size. Follow		
		and prior to the preboot			+	Use drop nozzles when	the weed size guideline		
		stage (growth stage 4)			gal. of water	Do not apply this tank	Accent labels that are		
		whichever comes first.		55000 EAN	(0.25% v/v)	mix to sorghum.	least restrictive.		
		Do not apply in the boot		HOCLEAN	1 pint/A	Apply to field corn preemergence or post-	All broadleat weeds controlled by BBO-		
		if crop is taller than 8		atrazine	1/2-11/5 lb ai/A	emergence but before	CLEAN + atrazine plus		
		inches.		+ Accent	+ 2/2 07/A	the corn is 12 inches tall.	grasses and broad		
		at the same rates as		+	+	mix to sorghum.	Accent. For optimum		
		Rifle in a tank mixture		non-ionic	1 qt/100		weed control, treat		
		on corn. These mixtures		sunaciani	(0.25% v/v)		grasses are in the rec-		
		corn exceeds 8 inches in			1½ pint/A	Apply to field corn	ommended growth		
		height.			+ 1%-11/5 lb ai/A	of corn growth and before	stage or size. Follow the weed size quideline		
		tank mixture with			+	the corn is 12 inches tall.	on the BROCLEAN or		
		BROCLEAN or			<sup>2</sup> /3 oz/A	Do not apply this tank	Accent labels that are		
		on sorohum.			1 qt/100	mix to sorghum.	icast restrictive.		
BROCLEAN	1 pint/A	Apply to field corn after	All weeds controlled by		gal. of water				
+ 2.4-D	+ 1/16-1/4 lb ai/A	emergence and prior to tassel emergence. Use	BROCLEAN at recom-	BROCLEAN	1 pint/A	Apply to field corn from	All broadleaf weeds		
(such as		drop nozzles if crop is	improved pigweed and	+	+	4 to 20 inches in height.	controlled by BRO-		
WEEDONE <sup>®</sup> and		taller than 8 inches.	kochia control. For	+	0.38-0.76 oz/A (1-2	Do not apply this tank mix to sorohum.	CLEAN at 1 pt/A plus grasses and broad		
HERBICIDE)		Apply to sorghum	down and field bind-	non-ionic	packets/4		leaves controlled by		
		between the 3 leaf stage	weed suppression up to	surfactant	acres)		Beacon. For optimum		
		stage (growth stage 4) or	use 1/a - 1/4 lb ai/A of		1 qt/100 gal.		when broadleaves and		
		15 inches in height.Use	2,4-D with BROCLEAN.		of water		grasses are in the rec-		
		drop nozzles if crop is taller than 8 inches			(0.25% V/V)		stage or size. Follow		
	1½ pints/A	Apply to field corn	-				the weed size guide		
	+	between the 4 leaf stage					Ines on the BBOCLEAN or Beacon		
	710-74 ID al/A	emergence. Use drop					labels that are least		
		nozzles if crop is taller			1	L	restrictive.		
		than 8 inches.				•			
		Apply to sorghum							
		between the 4 leaf stage							
		stage (growth stage 4) or							
		15 inches in height. Use							
		taller than 8 inches.							

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	1	BROCLEAN®		<u> </u>	PPLICA	IMING AND SPECIFIC O	OMMENTS
	FPA I	REG NO 34704-8	91	BBOCLEAN	Preemargance	Apply to corn or	WEEDS All weeds controlled by
	2.7(1			+	1-11/2 pints/A	sorghum before planting	BROCLEAN at recom-
	APPLICATION	TIMING AND SPECIFIC C	OMMENTS	glyphosate	+	time up until just prior	mended rates of applica-
BROCLEAN	34-1 pint/A +	Apply to field corn from	Addition of Exceed at	(Makaze)	1/2-3 pints/A	to crop emergence.	tion plus control of certai
-	0.5-1.0 oz/A	4 to 48 inches in height	0.5 ounce/A to BRO-			Refer to glyphosate label	grass and percinital week
Exceed®	+	and before tasseling,	CLEAN at 34-1 pint/A			for rate to use depending	
+ pon-ionic	1 qt/100	Whichever comes first.	will control all weeds on the REOCLEAN lebel			on weeds present at	
surfactant	(0.25% v/v)	mix to sorahum.	at 1 pint/A plus improved		. <b>I</b>		L
			control of velvetleaf and pigweed species. Addition of Exceed at 1.0 oz/A to BROCLEAN at 3/-1 pint/A will control all weeds on both the BROCLEAN and Exceed labels. Follow the weed size guidelines on the BROCLEAN and Exceed labels that are least	<ul> <li>Forage) and Sud</li> <li>BROCLEAN doe grass control pro</li> <li>Addition of a spr. crop leaf burn.</li> <li>Seed corn produtolerance of cert.</li> <li>Do not apply BR 3 leaf stage of c</li> <li>Do not plant rota</li> </ul>	angrass se not control g ogram be used ay additive or n ucers should co ain seed produ OCLEAN poste OCLEAN poste titonal crops un	rows: com (rield and asses. Therefore, it is rec to provide any required gr nixture with liquid fertilizer nsult the respective seed ction inbred lines to BROC emergence to seed corn in xcessive crop leaf burn m til the following season.	Pop), Sorgnum (Grain pommended that a suitab ass control. s may cause excessive corn company regarding LEAN. hbreds or popcom prior ay occur.
			restrictive.	<ul> <li>Do not cut crop f</li> </ul>	for feed, fodder	or graze within 30 days o	f application.
BROCLEAN	34-1 pint/A	Apply to field corn	Addition of Permit at 1/3	<ul> <li>The total cumula</li> <li>Postemergence</li> </ul>	itive rate may n	ot exceed 0.5 lb ai bromo r to the 3 leaf growth stag	xynil/A (2 pints Broclean/ e of corp or sorabum ms
- Permit <sup>®</sup>	+ 1/3- 2/3 oz/A	to layby. Do not apply	1 pint/A will control all	result in increase	ed crop leaf bur	n.	e el com el sorgnum ma
+	+	this tank mix to sorghum.	weeds on the BROCLEAN	<ul> <li>Tank mixtures with</li> </ul>	ith Accent/nonio	onic surfactant or Beacon	nonionic surfactant may
non-ionic	1 qt/100		label at 1 pint/A plus	or other adjuvant	ai crop leat buri	<ol> <li>Use of crop oil concentre</li> <li>Accent or RROCLER</li> </ol>	ate, nitrogen tertilizer sol
Sunaolai Il	(0.25% v/v)		leaf and pigweed species.	may result in a fu	urther increase	in crop leaf burn.	
			Addition of Permit at 2/3	Special care sho     mixtures to endid	ould be taken w	hen using BROCLEAN, F	lifle, Clarity or 2,4-D tank
			oz./A to BROCLEAN at	<ul> <li>Tank mixtures wi</li> </ul>	ith 2,4-D. Rifle.	or Clarity can cause stalk	brittleness to field corn.
			weeds on both the	Tank mixtures wi	ith 2,4-D and R	ifle can cause stalk brittle	ness to sorghum. Winds
			BROCLEAN and Permit	cultivation may car	use breakage v	vhile crop is brittle.	raduate used in table mis
			labels. Follow the weed	<ul> <li>Follow all restrict with BROCLEAN</li> </ul>	ions and preca V.	utions on the label of all p	roducts used in tank mo
			BROCLEAN and Permit	<ul> <li>Do not apply BR</li> </ul>	OCLEAN at an	y rate to sorghum after th	e preboot stage of grow
			labels that are least	(growth stage 4) • Do not apply the	as severe crop	injury, including loss of c	op yield may result.
BROCLEAN	1 pint/A	Apply to field corn	All weeds controlled by	<ul> <li>Do not apply the</li> </ul>	BROCLEAN +	Pursuit tankmix except to	ield corn hybrids know
+	+	after emergence up to	BROCLEAN at recom-	possess resistar	nce to Pursuit, o	r severe crop injury may	result.
Stinger®	1/3- 2/3 pint/A	24 inches in height.	mended rates of applica-				
		mix to sorohum.	tion plus improved Canada thistle burndown.		BROCL	EAN RECOMMENDATIO	NS
	1 1/2 pints/A	Apply to field corn from	For optimum perfor-	A	PPLICATION 1	IMING AND SPECIFIC C	OMMENTS
	+ 16-26 pipt/A	4 leaf stage up to 24	mance apply to Canada	BBOCLEAN	1 - 2 pints/A	Spring seeded wheat	Apply 1 pint/A to MOST
	13/3 pineA	not apply this tank mix	diameter or height but			barley, oats, rye and	SUSCEPTIBLE and 1%
		to sorghum.	before bud stage.			triticale. Use in all	pints/A to SUSCEPTIB
BROCLEAN	1 pint/A	Apply to field corn after	All weeds controlled by			oregon, Washington,	weeds that do not exce the 4 leaf stage or 2
atrazine	1⁄2-11/5 lb ai/A	corn is 12 inches tall.	tank mixtures at recom-			Colorado, Wyoming	inches in height, which
+ Stingor <sup>®</sup>	+	Do not apply this tank	mended rates of applica-			and Montana. Apply	ever comes first. If week
Sunger	'/3/3 pint/A	mix to sorgnum.	Canada thistle burndown			and prior to the boot	before weeds exceed
	1½ pints/A	Apply to field corn from				stage.	1 inch in diameter.
	+ 1⁄2-115 (h ai/∆	4 leat stage and before	For optimum performance				Use BROCLEAN at 11/2
	+	Do not apply this tank	least 4 inches in diameter				pints/A for control of
	1/3- 2/3 pint/A	mix to sorghum.	or height but before bud				kochia that is 2-4 inche
BROCLEAN	%-1 pint/A	Apply this tank mix	This tank mix will control				that does not exceed th
+	+	only on field corn	all broadleaf weeds listed				4 leaf stage or 2 inches
Pursuit <sup>er</sup>	4 ounces/A	hybrids possessing	as controlled by BRO-				neight, whichever come first.
nonionic	1 qt/100 gals.	herbicide. Contact your	plus giant foxtail, redroot		11/2-2 pints/A	Fall seeded wheat,	Apply to MOST SUSCE
sunactant +	+ 1-2 nts /A	seed supplier for	pigweed, and other grass			triticale throughout the	eral Weed List) up to
UAN fertilizer	1-2 400/	Apply this tank mix to	listed on the Pursuit			United States. Apply	the 8 leaf stage or 4
solution		corn between the 3	label.			from emergence to the	inches in height, which
		l leaf to 8 leaf stage of				LOOI SIAGE.	forms rosette apoly
		crop oil concentrates				Spring seeded wheat,	before weeds exceed 2
		when applying				barley, oats, rye and	inches in diameter. App
		BROCLEAN + Pursuit				triticale in Idaho, Oregon Washington	to SUSCEPTIBLE
		juank motures.	<u> </u>			Colorado, Wyoming	4 leaf stage, 2 inches in
						and Montana. Apply	height or 1 inch in diam
						and prior to the boot	ter, whichever comes fi
						stage.	
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	E			A		IMING AND SPECIFIC C	COMMENTS
	EPA F	EG. NO. 34704-8	91	BROCLEAN	34-11/2 pints/A	Apply to wheat and	This tank mix improves
			C COMMENTS	+	+	barley from the 2 leaf	control of broadleaves
PRODUCT	RATE	CROP	WEEDS	Finesse <sup>®</sup>	י,6-י,3 oz/A	stage and before the	such as tansy mustard, henhit chickweed and
BROCLEAN	Chemigation	Apply to wheat, barley,	Apply to MOST SUS-	nonionic	1 at/100	Finesse label for crop	piqweed. Apply to weeds
	Only	oats, rye and triticale	CEPTIBLE broadleaf	surfactant	gal. of water	rotation and other	up to the 4 leaf stage, 4
	2 pipto/A	from emergence to the	weeds up to the 8 leaf			restrictions.	inches in height or 2
	2 pints/A	through automated	beight or 2 inches in				inches in diameter,
		sprinkler irrigation	diameter, whichever	BBOCI FAN	34-11/2 pints/A	Apply to wheat and	This tank mix improves
		systems with a mech-	comes first. Apply to	+	+	barley after the 3 leaf	control of broadleaves
		anical transfer loading	SUSCEPTIBLE broadleaf	Amber®	0.28-0.56 oz/A	stage and before the	such as tansy mustard,
		System only. See	weeds up to the 4 leaf	+	+	flag leaf is visible.	henbit, and pigweed.
		AND HANDLING	or 1 inch in diameter.	nonionic	0.25-0.5% V/V	label for crop rotation	Apply to weeds up to the
		INSTRUCTIONS	whichever comes first.	Sundolani		and other restrictions.	height or 2 inches in
		section for complete	Do not use chemigation				diameter, whichever
		details.	for control of weeds that				comes first.
			exceed 4 inches in height	BROCLEAN	1-11/2 pints/A	Winter wheat. Apply	This tank mix improves
			unacceptable.	+ Express®	16-10 OZ/A	leaf stage and before	weeds such as redroot
	Barley, oats,	Apply to barley, oats,	Apply 1 pint/A to MOST	+	+	the flag leaf is visible.	pigweed, tansy mustard
	rye, triticale,	rye, triticale, and wheat	SUSCEPTIBLE and 11/2	nonionic	1 qt/100	Refer to Express	and suppression of
	and wheat	underseeded with	pints/A to SUSCEPTIBLE	surfactant	gal. of water	label for crop rotation	Canada thistle. Apply to
	with alfalfa	oats, rve. triticale. and	not exceed the 4 leaf		3/4-11/6 ninte/A	Spring wheat and harder	leaf stage 4 inches tell or
		wheat emerge up to	stage, 2 inches in height		+	Apply after crop is in	across and to Canada
	1-11/2 pints/A	the boot stage and	or 1 inch in diameter.		1/6-1/3 OZ/A	the 2 leaf stage and	thistle 4 to 8 inches tall
		when underseeded	whichever comes first.		+	before the flag leaf is	with 2 to 6 inches of new
		of 4 trifoliate leaves			al of water	VISIDIE. Heter to	growth.
		Follow all precautions			gai. Of water	rotation and other	
		and restrictions listed				restrictions.	
		under the barley, oats,		BROCLEAN	34-11/2 pints/A	Winter wheat. Apply	This tank mix improves
		seedling alfalfa sections		+ 	+	after the 2 leaf stage	control of broadleaf
	.L	- seconing analia sections.		Harmony Extra		is detectable. Refer to	chickweed and redroot
BI	ROCLEAN TAN	IK MIXTURE RECOMM	ENDATIONS	nonionic	1 qt/100	the Harmony Extra	pigweed. Apply to weeds
	PPLICATION I	IMING AND SPECIFIC O	WEEDS	surfactant	gal. of water	label for crop rotation	up to 4 leaf stage, 4
BROCLEAN	1-2 pints/A	Apply to wheat, barley.	This tank mix improves			and other restrictions.	inches in height or
+	+	oats and rye from the	control of mustards and			Spring wheat and harley	first
2,4-D	¼-½ lb ai/A	fully tillered and before	pigweed. Apply to weeds			Apply after the 2 leaf	, wou
(SUCH as		jointing stage.	up to the 4 leaf stage, 2			stage and before the 1st	
WEEDONE OF			in diameter whichever			node is detectable.	
HERBICIDE)			comes first.			Extra label for crop	
	34-1 pint/A	Apply to wheat and	This tank mix improves			rotation and other	
	+ 1⁄4-1⁄2 lb ai/Δ	North and South	wheat redroot pigweed			restrictions.	
	74-72 ID dura	Dakota from the fully	and wild mustard. Apply	BROCLEAN	1-1½ pints/A	Apply to wheat and	This tank mix improves
		tillered and before the	to weeds up to the 4 leaf	+ Curtai®	2 nints/A	begins to tiller up to	buckwheat and Canada
		jointing stage.	stage, 2 inches in height	or	2 pintorr	the 1st node detectable.	thistle. Apply to annual
			or 1 inch in diameter,	Curtail M			broadleaf weeds up to
BROCLEAN	1-2 pints/A	Apply to wheat hartey	This tank mix improves				the 8 leaf stage up to 4
+	+	oats and rye from the	control of mustards, pig-				inches in neight of 2
MCPA	14-1/2 lb ai/A	4 leaf stage and	weed and kochia. Apply		1	1	Canada thistle in the
(such as	1	before jointing.	to weeds up to the 4 leaf			.l	rosette to prebud stage.
RHOMENE®1			or 1 inch in diameter	BROCLEAN	1-1¼ pints/A	Winter wheat in Idaho,	This tank mix improves
	l		whichever comes first.	+ metribuzin	+ 18-1/4 lb ai/4	Washington Apply in	such as chickwood file.
BROCLEAN	1-11/2 pints/A	Fall seeded wheat	This tank mix improves	(Metribuzin 75)	70-74 ID av A	spring after growth has	ree, henbit and dog-
+ Riflo	+	apply prior to the	control of broadleaves	(		started and secondary	fennel. Apply to weeds
niie	18-14 pint/A	seeded wheat apply	weed. Apply to weeds up		1	roots with a minimum	that do not exceed 2
		up to the 5 leaf stage.	to the 4 leaf stage. 2			of 3 to 4 tillers have	inches tall or rosettes of
		,	inches in height or 1 inch		1	before boot stade	The higher use rates of
			in diameter, whichever			Avoid application when	both products should be
BROCLEAN	3/-11/ pinto/A	Apply to wheet and	Comes Tirst.			crop has experienced	used only in emergency
+	+	barley from the 2 leaf	control of broadleaves			winter kill, frost damage,	weed situations and if
Glean®	16-1/3 OZ/A	stage and before boot	such as henbit, tansy			uisease or drought.	some minor crop injury is
+	+	stage. Refer to Glean	mustard and pigweed.				authority should be
nonionic	1 qt/100	label for crop rotation	Apply to weeds up to the		1	1	consulted concerning the
sunaciant	gai. of water	and other restrictions.	4 leat stage, 4 inches in beight or 2 inches in				use of this mixture
			diameter, whichever		d mint/A	14/inter ubert mederi	in your area.
			comes first.	BHOCLEAN	1 pint/A	winter wheat and winter	I his tank mix improves
BROCLEAN	34-11/2 pints/A	Apply to wheat and	This tank mix improves	+ diuron	4/10 lb ai/A	and Washington Use	such as henbit and
+ All <i>B</i>	+	barley from the 2 leaf	control of broadleaves			only in areas where	gromwell. Apply to weeds
Ally"	1/10 OZ/A	stage and before the	such as tansy mustard			annual rainfall exceeds	before they are 2 inches
nonionic	1 gt/100	Ally label for cron	weeds up to the 4 leaf			16 inches. One fall	tall or 2 inches in
surfactant	gal. of water	rotation and other	stage, 4 inches in height			application after emer-	uameter.
		restrictions.	or 2 inches in diameter,			freezes or in spring as	
		L	whichever comes first.			soon as soil thaws.	1

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

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# FIBER AND SPECIALTY CROPS ALFALFA (SEEDLING) CI FAN RECOMMENDATIONS FOR

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4 leaf stage, 2 inches in height or 1 inch in diam-

eter, whichever comes

first.

AND HANDLING

tions made when temperatures are expected to exceed

85°F at and 3 days following application

table crop injury.

can result in unaccep-

INSTRUCTIONS Sec-

tion for complete details. BROCLEAN applica-

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				Δ	PPLICATION T	MING AND SPECIFIC C	OMMENTS
	BROCLEAN TAN	IK MIXTURE RECOMME	ENDATIONS	PRODUCT	BATE	CROP	WEEDS
	APPLICATION T	MING AND SPECIFIC C	OMMENTS	BROCLEAN	1-11/2 pints/A	In the states of Cali-	Apply 1 pint/A to MOST
PRODUCT	RATE	CROP	WEEDS	2		fornia. Washington	SUSCEPTIBLE broad-
BROCLEAN	1 pint/A	Spring wheat. Apply	In addition to broadleaf			Oregon, Idaho, Montana,	leaf weeds and 11/2
+	+	when crop begins to	weeds controlled by			Wyoming, Colorado,	pints/A for SUSCEP-
Tiller <sup>®</sup>	1 pint/A	tiller (3-4 leaf stage)	BROCLEAN, this tankmix			Utah, Nevada, Arizona,	TIBLE broadleaf weeds
		up to the 6 leaf stage.	will control green foxtail			New Mexico, and the	(See General Weed List)
		Refer to the Tiller label	from the 2-leaf to 2-tiller			western halves of	when weeds do not
		for complete use direc-	stage of growth.			North Dakota, South	exceed 4 leaf stage, 2
		tions and restrictions.				Dakota, Nebraska and	inches in height or 1 inch
BROCLEAN	1 -2 pints/A	Spring Barley. After	This tank mix will provide			Kansas: Apply in the fall	in diameter, whichever
+	+	emergence and before	wild oat, green foxtail and			or spring to seedling	comes first. BROCLEAN
Hoelon®	2 <sup>2</sup> /3 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	
		weather conditions as	than 4 leaf stage or			alfalfa seedlings less	
		crop injury may result.	rosettes of 1.5 inches in			than the 2 trifoliate	
			diameter.		1	stage. BROCLEAN	
	1-2	Winter wheat and				applications made when	
	pints/A	spring wheat. After				temperatures are	
	+	emergence and before				expected to exceed	
	22/3-31/3 pints/A	jointing.				80°F at and 3 days	
BROCLEAN	1-2 pints/A	Winter wheat and				following application can	
+ .	+	spring wheat. After				result in unacceptable	
Hoelon	2-223 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 LIST ON				has a minimum of 4	
		DO NOT USE UN				trifoliate leaves. When	
	1.2 pinto/A	DARLET	This Apply mix will are ide			alfalfa stand is uneven	
DRUCLEAN	1-2 pints/A	logf to tilloring stopp	mistank mix will provide			and conditions favor	
AvenceTM	21/2-4 pipto/A	Potor to Avonce lobel	wild bat control in			leatburn, unacceptable	
Averige	272-4 pints/A	for variatal and other	Apply to wild gate in the			crop injury may occur	
		restrictions	3-5 lost stage and broad-			to alfalta in the 2 tritoliate	
		Spring Wheat Five to	leaves that do not			or smaller stage of	
		6 leaf stane Refer to	exceed the 4 leaf stane			grown. If you are un-	
		Avenue label for varietal	or rosettes of 1.5 inches			sure or growin stage	
		and other restrictions	in diameter			conditions, contact	
		Barley, Two to 7 leaf				your local extension	
		stage.	Avenge use rates per			applications made when	
			acre are 2.5 pints (1-10			temperatures are expen-	
			oats per sq. ft.). 3 pints			ted to exceed 70°F at	
			(11-25 oats per sq. ft.) or		1-11/2 nints/A	and 3 days following	
			4 pints (more than 25			and o days lollowing	
			oats per sq. ft.).			unaccentable cron injuny	
						Follow all other use	
RESTRICTION	IS AND PRECAU	FIONS: Small Grains (V	Vheat, Barley, Oats, Rye			directions listed on the	
and Triticale)						BROCLEAN label.	
<ul> <li>Do not graz</li> </ul>	e treated fields with	nin 45 days following trea	tment.	BROCLEAN	Chemidation	Apply to seedling	Apply to MOST SUSCEP-
<ul> <li>Do not apply</li> </ul>	y when crops are u	inder moisture stress.			Only	alfalfa with a minimum	TIBLE broadleaf weeds
<ul> <li>Do not apply</li> </ul>	y wnen crop canop	ly covers the weeds as p	oor weed control will		·	of 2 trifoliate leaves.	up to the 8 leaf stage, 4
result.		al a Malfa fa sua di si s			2 pints/A	Apply through auto-	inches in height or 2
<ul> <li>Do not apply</li> </ul>	when underseede	o anana is under moisture	, temperature, insect or		<sup>.</sup>	mated sprinkler irriga-	inches in diameter,
aisease stre	ss of has been stre	issed by other pesticide ca	arryover or application.			tion systems with a	whichever comes first.
<ul> <li>Do not orbit.</li> </ul>		a all urban an -t-t t-				mechanical transfer	Apply to SUSCEPTIBLE
- Do not add	a surraciant or cro	on when applying to un	uerseeueu analia or			loading system only.	broadleaf weeds up to the
Increased in	ijury Will OCCUP.	ing tracted underseader	l alfalfa milikia 00 alama			See MIXING LOADING	4 leaf stage, 2 inches in

- · Do not add a surfactant or crop oil when applying to underseeded atfalfa or increased injury will occur.
- . Do not cut for feed or graze spring treated underseeded alfalfa within 30 days following treatment.
- Do not cut for feed or graze fall or winter treated underseeded alfalfa until ٠
- Provide a least of years and of white heated inderseeded analia unit
  spring, at least 60 days following treatment.
  Reduced weed control may occur when weeds are stressed from lack of moisture or cold temperatures.
  Refer to labels of products used in tank mixture of additional restrictions and
- Do not plant rotational crops until the following use season. The total cumulative rate must not exceed 0.5 lb. ai bromoxynil/A (2 pints
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• Broclean/A).

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	E Epa F	<b>BROCLE<b>FAN</b>® REG. NO. 34704-8</b>	91	PRODUCT BROCLEAN	APPLICA T RATE 1/2-3/4 pint/A	IMING AND SPECIFIC CROP In all states except	COMMENTS WEEDS BROCLEAN at
Δ	PPLICATION T	MING AND SPECIFIC O	OMMENTS	+ Purcuit	+	California, Washington,	tank mixed with
PRODUCT	RATE	CROP	WEEDS	+	+	tana, Wyoming,	quarters up to 2
BROCLEAN	1 pint/A	Apply in the fall or	This tank mix improves	non-ionic	1 qt/100 gals.	Colorado, Utah,	in height plus w
T BUTYRAC <sup>®</sup> 200	1 quart/A	alfalfa when the	kochia, and tansv mus-	surractant		Nevada, Arizona, New	BROCLEAN at
(2,4-DB)		majority of the field	tard. Apply when weeds			tern halves of North	Pursuit will con
		has a minimum of 4	do not exceed the 4 leaf			Dakota, South Dakota,	MOST SUSCE
	ł	trifoliate leaves. When	stage, 2 inches in height			Nebraska and Kansas:	annual broadle
		and conditions favor	whichever comes first.			Apply in the fall or	(See General V
		leaf burn, unacceptable	BROCLEAN +			alfalfa when the	exceed the 4 le
		crop injury may occur	BUTYRAC 200 tank mix-			majority of the field	inches in heigh
		foliate or smaller stage	tures will not adequately			has a minimum of 2	in diameter, wh
		of growth. If you are	pennycress, henbit and			When alfalfa stand is	listed on the Pu
		unsure of growth stage	mustards.			uneven and conditions	Applications sh
		conditions, contact				favor leafburn, unac-	made when the
		service. In the states				may occur to alfalfa	of the weeds at
		of California, Wash-				treated prior to the	lambsquarters
		ington, Oregon, Idaho,				2nd trifoliate stage of	exceed 4 inche
		Colorado, Utah, Nevada.				growth. If you are un-	For low growing
	ļ	Arizona, New Mexico,	Į		1	conditions, contact	before the rose
		and the western halves				your local extension	exceeds 3 inch
		of North Dakota, South				service. BROCLEAN	eter. Refer to t
		Kansas, BROCLEAN				made when temper-	ble weeds at e
		applications made				atures are expected	recommended
		when temperatures are				to exceed 70° F at	
		80°F at and 3 days				applications can result	
		following application				in unacceptable crop	
		table crop injury in the			1	l injury.	L
		remaining states		RESTRICTIONS	AND PRECAU	TIONS: Alfalfa (Seedlir	ng)
		BROCLEAN applica-		Crop leaf burn (	can occur followi	ng BROCLEAN applicati	ion. Warm, humi
		tion made when temp-		ha roduced alth	sal Duill. New Cr	op growth will not be alle	ecteu. Anana yien
			1		iouqn iolai dioma	ass tonnage may decrea	se compared to a
	ł	to exceed 70°F at and		due to weed rer	moval.	ass tonnage may decrea	se compared to
		to exceed 70°F at and 3 days following app-		<ul> <li>due to weed rer</li> <li>Do not apply will bas been stress</li> </ul>	moval. hen alfalfa is und	ass tonnage may decrea: ler moisture, temperature ticide carrupter or applic	se compared to a e, insect or disea ation
		to exceed 70°F at and 3 days following app- lication can result in		<ul> <li>Do not apply with the second stress</li> <li>Do not add a subscription</li> </ul>	moval. hen alfalfa is und sed by other pes urfactant or crop	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the	se compared to a e, insect or disea ation. e use directions l
		to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over		<ul> <li>Do not apply will has been stress</li> <li>Do not add a su increased alfalfa</li> </ul>	moval. hen alfalfa is und sed by other pes urfactant or crop a injury will occur	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r.	se compared to a e, insect or disea ation. e use directions l
		to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within		<ul> <li>be reduced and due to weed ret</li> <li>Do not apply with has been stress</li> <li>Do not add a st increased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fa</li> </ul>	moval. hen alfalfa is und sed by other pes urfactant or crop a injury will occur ed or graze sprint aed or graze fail	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 r or winter treated alfalfa u	se compared to a ation. e use directions l days following trea until spring, at lea
		to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BI ITYRAC <sup>®</sup> anolica		<ul> <li>be reduced and due to weed ret</li> <li>Do not apply with has been stress</li> <li>Do not add a su increased alfalfa</li> <li>Do not cut for fe</li> </ul>	moval. hen alfalfa is und sed by other pes urfactant or crop a injury will occur ed or graze spring eed or graze fall hent.	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 o or winter treated alfalfa u	se compared to a e, insect or disea ation. e use directions t days following trea intil spring, at lea
		to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac-		<ul> <li>be reduced and due to weed ref</li> <li>Do not apply with has been stress</li> <li>Do not add a su increased alfalfa</li> <li>Do not cut for fe following treatme</li> <li>The total cumula Brodown(0)</li> </ul>	hen alfalfa is und sed by other pes urfactant or crop a injury will occu ed or graze sprinç sed or graze fail o ient. tive rate of BRO(	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0	se compared to a a, insect or disea ation. e use directions t days following trea ntil spring, at lea 1.5 lb ai bromoxyni
		a advestage and a superior to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury.		<ul> <li>be reduced and due to weed ref</li> <li>Do not apply with has been stress</li> <li>Do not add a su increased alfalfa</li> <li>Do not cut for fe following treatm</li> <li>The total cumula Broclean/A).</li> </ul>	hen alfalfa is und sed by other pes urfactant or crop a injury will occur ed or graze spring sed or graze fail ient. ative rate of BROC arm <sup>®</sup> preemerger	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 ( or winter treated alfalfa u CLEAN may not exceed 0 ace may enhance crop le	se compared to a e, insect or disea ation. e use directions I days following trea ntil spring, at lea 1.5 Ib ai bromoxyni eaf burn from pos
BROCLEAN	<sup>3</sup> ⁄ <sub>4</sub> - 1 pint/A	a actives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia Washington	This tank mix will control	<ul> <li>be reduced and due to weed ref</li> <li>Do not apply with has been stress</li> <li>Do not add a su increased alfalfa</li> <li>Do not cut for fe following treatm</li> <li>The total cumula Broclean/A).</li> <li>The use of Epta application of B</li> </ul>	hen alfalfa is und sed by other pes urfactant or crop a injury will occur ed or graze spring sed or graze spring adver an e of BROC arm <sup>®</sup> preemerger IROCLEAN and	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 nce may enhance crop le should be considered pri	se compared to a a, insect or disea ation. e use directions I days following trea nutil spring, at lea 1.5 lb ai bromoxyni eaf burn from pos ior to using BRO
BROCLEAN + Pursuit®	<sup>3</sup> / <sub>4</sub> - 1 pint/A + 3-6 ounces/A	to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon-	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See	<ul> <li>be reduced and due to weed ref</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatm</li> <li>The total cumula Broclean/A).</li> <li>The use of Ept application of B</li> <li>Follow all restric BBCCLEAN tag</li> </ul>	hen alfalfa is und sed by other pess a injury will occur ed or graze spring aed or graze fail i ent. ative rate of BROC am <sup>®</sup> preemerger iROCLEAN and ctions and precau	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 ince may enhance crop le should be considered pri utions on the tank mixtur ed	se compared to a a, insect or disea ation. e use directions l days following trea ntil spring, at lea 1.5 lb ai bromoxyni eaf burn from pos ior to using BRO re product label v
BROCLEAN + Pursuit® +	<sup>3</sup> / <sub>4</sub> - 1 pint/A + 3-6 ounces/A +	to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col-	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List)	<ul> <li>be reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatme</li> <li>The total cumula Broclean/A).</li> <li>The use of Epta application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture with</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a injury will occur ed or graze spring sed or graze fall ent. ative rate of BROC arm <sup>®</sup> preemerger iROCLEAN and ctions and precau nk mixture is use th 2,4-DB may n	ass tonnage may decrea- ler moisture, temperature ticide carryover or applic oil unless specified in the g reated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 noe may enhance crop le should be considered pri utions on the tank mixtur ed. esult in unacceptable croc	se compared to a a, insect or disea ation. e use directions I days following tree intil spring, at lea 1.5 Ib ai bromoxyn eaf burn from pos ior to using BRO re product label v op leaf burn espe
BROCLEAN + Pursuit® + non-ionic surfactant	<sup>3</sup> ⁄ <sub>4</sub> - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Newada, Arizona New Mowing	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not owned the 4 leaf stage	<ul> <li>be reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatme</li> <li>The total cumula Broclean/A).</li> <li>The use of Epts application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture with warm, humid with</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a injury will occur ed or graze spring sed or graze fall int. ative rate of BROC arm <sup>®</sup> preemerger iROCLEAN and ctions and precan nk mixture is use th 2,4-DB may n reather conditions	ass tonnage may decrea- ler moisture, temperature ticide carryover or applic oil unless specified in the g reated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 nce may enhance crop le should be considered pri utions on the tank mixtur ed. esult in unacceptable cro s.	se compared to a e, insect or disea ation. e use directions I days following trea nutil spring, at lea 1.5 lb ai bromoxyn eaf burn from pos for to using BRO re product label v op leaf burn espe
BROCLEAN + Pursuit® + non-ionic surfactant	<sup>3</sup> ⁄ <sub>4</sub> - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	In the state scheduler to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Newada, Arizona, New Mexico, and the western halves	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1	<ul> <li>be reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatme</li> <li>The total cumula Broclean/A).</li> <li>The use of Epts application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture wi warm, humid with and you hand you ha</li></ul>	hen alfalfa is und sed by other pess a injury will occur ed or graze spring aed or graze fall ent. ative rate of BROC am <sup>®</sup> preemerger iROCLEAN and ctions and precam nk mixture is use th 2,4-DB may n reather conditions one can be appli	ass tonnage may decrea- ler moisture, temperature ticide carryover or applic oil unless specified in the g reated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 note may enhance crop le should be considered pri utions on the tank mixtur ed. esult in unacceptable cro s. ed to seedling alfalfa tha peat that include wheat 1	se compared to a e, insect or disea ation. e use directions I days following trea nutil spring, at lea 1.5 lb ai bromoxyn eaf burn from pos ior to using BRO re product label v op leaf burn espe at has been unde bardev oats. ve a
BROCLEAN + Pursuit® + non-ionic surfactant	<sup>3</sup> ⁄ <sub>4</sub> - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	In a construction of the western halves of North Dakota, South Dakota, S	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which	<ul> <li>be reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatme</li> <li>The total cumula Broclean/A).</li> <li>The use of Epta application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture with warm, humid with BROCLEAN alia into barley, oats</li> <li>See application</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a injury will occur ed or graze spring aed or graze fall ent. ative rate of BROC arm <sup>®</sup> preemerger iROCLEAN and ctions and precau nk mixture is use th 2,4-DB may n reather conditions one can be appli one can be appli one can be appli	ass tonnage may decrea- ler moisture, temperature ticide carryover or applic oil unless specified in the g reated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 nce may enhance crop le should be considered pri utions on the tank mixtur ed. esult in unacceptable cro s. ed to seedling alfalfa tha reat that include wheat, I er the BARLEY, OATS, F	se compared to a e, insect or disea ation. e use directions I days following trea nutil spring, at lea 1.5 lb ai bromoxyn eaf burn from pos ior to using BRO re product label v op leaf burn espe at has been unde barley, oats, rye i RYE, TRITICALE
BROCLEAN + Pursuit® + non-ionic surfactant	<sup>3</sup> ⁄ <sub>4</sub> - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	In the states of the expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Newada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kaneas <sup>2</sup> Apply in the	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other creates and broad-	<ul> <li>be reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatme</li> <li>The total cumula Broclean/A).</li> <li>The use of Epts application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture with warm, humid with BROCLEAN all into barley, oats See application on SECTION.</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a nijury will occur ed or graze spring sed or graze fall ent. ative rate of BROC am <sup>®</sup> preemerger IROCLEAN and ctions and precan nk mixture is use tit 2,4-DB may n reather conditions one can be appli s, rye, triticale, wh	ler moisture, temperature ticide carryover or applic oil unless specified in the g reated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 nce may enhance crop le should be considered pri utions on the tank mixtur ed. esult in unacceptable cro s. ed to seedling alfalfa tha neat that include wheat, I er the BARLEY, OATS, F ithin 7, 10 down following.	se compared to a e, insect or disea ation. e use directions I days following trea ntil spring, at lea 1.5 lb ai bromoxyn saf burn from pos ior to using BRO re product label v opp leaf burn espe thas been unde barley, oats, rye a YE, TRITICALE
BROCLEAN + Pursuit <sup>®</sup> + non-ionic surfactant	<sup>3</sup> 4 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	In the same expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed-	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the	<ul> <li>be reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatm</li> <li>The total cumula Broclean/A).</li> <li>The use of Epta application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture wi warm, humid with BROCLEAN alinito barley, oats See application.</li> <li>Rainfall or overl can cause unation.</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a nijury will occur ed or graze spring aed or graze fall ent. ative rate of BROC am <sup>®</sup> preemerger IROCLEAN and - ctions and preca nk mixture is used the 2.4-DB may n reather conditions one can be appli s, rye, triticale, wh restrictions und head irrigation w cceptable crop in	ass tonnage may decrea- ler moisture, temperature ticide carryover or applic oil unless specified in the g reated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 nce may enhance crop le should be considered pri utions on the tank mixtur d. esult in unacceptable cro s. ed to seedling alfalfa tha neat that include wheat, I er the BARLEY, OATS, F ithin 7-10 days following jurv.	se compared to a e, insect or disea- ation. e use directions I days following trea intil spring, at lea 15 lb ai bromoxyni eaf burn from pos ior to using BRO re product label v op leaf burn espe at has been under barley, oats, rye a YYE, TRITICALE BUTYRAC 200 a
BROCLEAN + Pursuit® + non-ionic surfactant	<sup>3</sup> ⁄ <sub>4</sub> - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Newada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed- ling alfalfa when the	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds	<ul> <li>be reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatme</li> <li>The total cumula Broclean/A).</li> <li>The use of Eptt application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture with warm, humid with BROCLEAN alinito barley, oats See application SECTION.</li> <li>Rainfall or overl can cause unart</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a injury will occur ed or graze spring aed or graze fall ent. ative rate of BROC am <sup>®</sup> preemerger IROCLEAN and ctions and precam nk mixture is use th 2,4-DB may n reather conditions one can be appli one can be appli restrictons und head irrigation w cceptable crop in	ler moisture, temperature ticide carryover or applic oil unless specified in the reacted alfalfa within 30 or or winter treated alfalfa u CLEAN may not exceed 0 noce may enhance crop le should be considered pri utions on the tank mixtur ed. esult in unacceptable cro s. ed to seedling alfalfa tha neat that include wheat, I re the BARLEY, OATS, F ithin 7-10 days following ujury.	se compared to a e, insect or disea- ation. e use directions I days following trea intil spring, at lea 15 lb ai bromoxyni eaf burn from pos ior to using BRO re product label v op leaf burn espe thas been under barley, oats, rye a YYE, TRITICALE BUTYRAC 200 a
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BROCLEAN + Pursuit <sup>®</sup> + non-ionic surfactant	3⁄4 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	In a constant of the second of	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	due to weed rei Do not apply will has been stress Do not add a su increased alfalfa Do not add a su increased alfalfa Do not cut for fe following treatm The total cumula Broclean/A). The use of Epta application of B Follow all restric BROCLEAN tal Tank mixture wi warm, humid w BROCLEAN all into barley, oats See application SECTION. Rainfall or overl can cause unaction BROCLEAN	hen alfalfa is und sed by other pess urfactant or crop a nijury will occur ed or graze spring bed or graze fall ative rate of BROC am <sup>®</sup> preemerger (ROCLEAN and ctions and precar nk mixture is use the 2.4-DB may n reather conditions one can be appli a, rye, triticale, wh restrictions und head irrigation w cceptable crop in BROCL APPLICATION T RATE 1 pint/A	ass tonnage may decreation of the specified in the formation of the specified in the specified and the specified of the speci	se compared to a e, insect or disea- ation. e use directions I days following trea- intil spring, at lea- to the second second second second second that been under barley, oats, rye a syre, TRITICALE, BUTYRAC 200 a nly) ONS COMMENTS WEEDS Apply to MOST TIBLE weeds ti exceed the 4 le inches in heigh in diameter, wh
BROCLEAN + Pursuit® + non-ionic surfactant	3⁄4 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed- ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfalfa stand is uneven and conditions favor leafburm, unaccep- table crop injury may occur to alfalfa treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth.	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	<ul> <li>be reduced and due to weed ref</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatm</li> <li>The total cumula Broclean/A).</li> <li>The use of Epta application of B</li> <li>Follow all restrice BROCLEAN tai</li> <li>Tank mixture with warm, humid w</li> <li>BROCLEAN all into barley, oats See application.</li> <li>Rainfall or overl can cause unaction</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a nijury will occur ed or graze spring bed or graze fall ative rate of BROC am <sup>®</sup> preemerger (ROCLEAN and ctions and precan nk mixture is use the 2.4-DB may n reather conditions one can be appli a, rye, triticale, wh restrictions und head irrigation w cceptable crop in BROCL APPLICATION T RATE 1 pint/A	ass tonnage may decreation of the specified in the formation of the specified in the specified and the specified of the speci	se compared to a e, insect or disea- ation. e use directions to days following trea- intil spring, at lea- to the second second second second second to to using BRO- re product label w op leaf burn espe thas been under barley, oats, rye a arye, TRITICALE, BUTYRAC 200 a nly) ONS COMMENTS WEEDS Apply to MOST TIBLE weeds to exceed the 4 le inches in heigh in diameter, wh comes first.
BROCLEAN + Pursuit® + non-ionic surfactant	<sup>3</sup> 4 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	In a constant of the state of the second to acceed 70°F at and 3 days following application can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> application can cause unacceptable crop injury. In the states of California, Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, Nebraska and Kansas: Apply in the fall or spring to seed-ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfafta stand is uneven and conditions favor leafburn, unacceptable crop injury may occur to alfafta treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth stage conditions.	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	due to weed rei Do not apply will has been stress Do not add a su increased affalfa Do not cut for fe Do not cut for fe following treatm The total cumula Broclean/A). The use of Epta application of B Follow all restrice BROCLEAN tai Tank mixture will warm, humid w BROCLEAN tai Into barley, oats See application SECTION. Rainfall or overl can cause unact PRODUCT BROCLEAN	hen alfalfa is und sed by other pess urfactant or crop a injury will occur ed or graze spring sed or graze fail i ent. ative rate of BROC am <sup>®</sup> preemerger (ROCLEAN and - ctions and precar nk mixture is use tith 2,4-DB may n restrictions und head irrigation w cceptable crop in FLAX. BROCL APPLICATION T RATE 1 pint/A BROCLEAN TAI	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 the may enhance crop le should be considered pri utions on the tank mixtur ed. esult in unacceptable cro s. ed to seedling alfalfa tha neat that include wheat, I er the BARLEY, OATS, F ithin 7-10 days following ujury. (Linium usitatissium on EAN RECOMMENDATI TIMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage.	se compared to a e, insect or disea- ation. e use directions to days following trea- intil spring, at lea- to to using BRO- re product label w op leaf burn espe thas been under barley, oats, rye a arye, TRITICALE, BUTYRAC 200 a <b>INY)</b> ONS <u>COMMENTS</u> <u>WEEDS</u> Apply to MOST TIBLE weeds to exceed the 4 le inches in heigh in diameter, wh comes first.
BROCLEAN + Pursuit® + non-ionic surfactant	<sup>3</sup> ⁄ <sub>4</sub> - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	In a constant of the state of the second to acceed 70°F at and 3 days following application can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC® application can cause unacceptable crop injury. In the states of California, Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed-ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfaffa stand is uneven and conditions favor leafburn, unacceptable crop injury may occur to alfaffa treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth stage conditions, contact your local	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	<ul> <li>be reduced and due to weed ref</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased affalfa</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatment</li> <li>The total cumula Broclean/A).</li> <li>The use of Epta application of B</li> <li>Follow all restrice BROCLEAN tai BROCLEAN tai into barley, oats See application</li> <li>Rainfall or overican cause unaction</li> <li>Rainfall or overican cause unaction</li> <li>BROCLEAN</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a injury will occur ed or graze spring sed or graze fall i ent. ative rate of BROC am <sup>®</sup> preemerger fROCLEAN and - ctions and precan nk mixture is use tith 2,4-DB may n restrictions undo head irrigation w cceptable crop in FLAX. BROCLEAN TAI APPLICATION T I pint/A	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 the may enhance crop le should be considered pri utions on the tank mixtur esult in unacceptable cro s. ed to seedling alfalfa tha neat that include wheat, I er the BARLEY, OATS, F ithin 7-10 days following ijury. (Linium usitatissium on EAN RECOMMENDATI IMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage.	se compared to a e, insect or disea- ation. e use directions I days following trea- intil spring, at lea 15 lb ai bromoxyni eaf burn from pos- ior to using BRO re product label v op leaf burn espe t has been under barley, oats, rye i arye, TRITICALE BUTYRAC 200 a nty) ONS <u>COMMENTS</u> <u>WEEDS</u> Apply to MOST TIBLE weeds the exceed the 4 le inches in heigh in diameter, wh comes first.
BROCLEAN + Pursuit® + non-ionic surfactant	<sup>3</sup> ⁄ <sub>4</sub> - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	In a construction of the second of the secon	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	De reduced and due to weed ref Do not apply will has been stress Do not add a su increased alfalfa Do not cut for fe following treatm The total cumula Broclean/A). The use of Epta application of B Follow all restrice BROCLEAN tai Tank mixture will warm, humid w BROCLEAN tai Tank mixture will warm, humid w BROCLEAN all into barley, oats See application SECTION. Rainfall or overl can cause unact PRODUCT BROCLEAN	hen alfalfa is und sed by other pess urfactant or crop a injury will occur ed or graze spring sed or graze fall ent. ative rate of BROC am <sup>®</sup> preemerger fROCLEAN and - ctions and precan nk mixture is use tith 2,4-DB may n eether conditions one can be appli s, rye, triticale, w restrictions under head irrigation w cceptable crop in FLAX. BROCLEAN TAI APPLICATION T RATE 1 pint/A	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 the may enhance crop le should be considered pri utions on the tank mixtur esult in unacceptable cro s. ed to seedling alfalfa tha neat that include wheat, I er the BARLEY, OATS, F ithin 7-10 days following ijury. (Linium usitatissium on EAN RECOMMENDATI IMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage.	se compared to a e, insect or disea- ation. e use directions I days following trea- intil spring, at lea 15 lb ai bromoxyni eaf burn from pos- to ro using BRO re product label v op leaf burn espe t has been under barley, oats, rye i ayre, TRITICALE BUTYRAC 200 a nty) ONS COMMENTS WEEDS Apply to MOST TIBLE weeds to exceed the 4 le inches in heigh in diameter, wh comes first. WEEDS
BROCLEAN + Pursuit <sup>®</sup> + non-ionic surfactant	<sup>3</sup> ⁄ <sub>4</sub> - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed- ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfalfa stand is uneven and conditions favor leafburn, unaccep- table 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. BFOCLEAN + Pursuit applications marke	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	<ul> <li>De reduced and due to weed ref</li> <li>Do not apply wil has been stress</li> <li>Do not add a su increased alfalf</li> <li>Do not cut for fe</li> <li>Do not cut for fe</li> <li>following treatment</li> <li>The total cumula Broclean(A).</li> <li>The use of Epta application of B</li> <li>Follow all restrice BROCLEAN tai BROCLEAN tai into barley, oats See application</li> <li>Rainfall or overi- can cause unaction</li> <li>Rainfall or overi- can cause unaction</li> <li>PRODUCT</li> <li>BROCLEAN</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a injury will occur ed or graze spring sed or graze fall ent. ative rate of BROC arm <sup>®</sup> preemerger fROCLEAN and ctions and precan nk mixture is use ith 2,4-DB may n eether conditions one can be appli s, rye, triticale, wh restrictions und head irrigation w cceptable crop in FLAX, BROCL APPLICATION T RATE 1 pint/A 1 pint/A 1 pint/A	Iss tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r, g treated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 the may enhance crop le should be considered pri utions on the tank mixtur esult in unacceptable cro s. ed to seedling alfalfa tha teat that include wheat, I er the BARLEY, OATS, F ithin 7-10 days following jury. (Linium usitatissium of EAN to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage. NK MIXTURE RECOMM IMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage.	se compared to a e, insect or disea- ation. e use directions I days following trea- intil spring, at lea 15 lb ai bromoxyni eaf burn from pos- ior to using BRO re product label v op leaf burn espe t has been under barley, oats, rye i arye, TRITICALE BUTYRAC 200 a nty) ONS COMMENTS WEEDS Apply to MOST TIBLE weeds the inches in heigh in diameter, wh comes first. MENDATIONS COMMENTS WEEDS This tank mix broadleaf wee
BROCLEAN + Pursuit <sup>®</sup> + non-ionic surfactant	34 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed- ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfalfa stand is uneven and conditions favor leafburn, unaccep- table crop injury may occur to alfalfa treated piror to the 2nd trifoliate stage of growth. If you are unsure of growth stage conditions, contact your local extension service. BROCLEAN + Pursuit applications made when temperatures	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first, and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	<ul> <li>De reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe following treatme</li> <li>The use of Epite application of B</li> <li>Follow all restric BROCLEAN and into barley, cats See application SECTION.</li> <li>Rainfall or vertice BROCLEAN</li> <li>PRODUCT BROCLEAN</li> <li>PRODUCT BROCLEAN</li> <li>Problect</li> </ul>	hen alfalfa is und sed by other pess urfactant or crop a injury will occur ed or graze spring sed or graze fail i ent. ative rate of BROC arm <sup>®</sup> preemerger fROCLEAN and - ctions and precan nk mixture is use ith 2,4-DB may n eather conditions one can be appli s, rye, triticale, wh restrictions und head irrigation w cceptable crop in FLAX, BROCL APPLICATION T RATE 1 pint/A 1 pint/A + 1-1½ pints/A	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 the may enhance crop le should be considered pri utions on the tank mixtur esult in unacceptable cro s. ed to seedling alfalfa tha teat that include wheat, I er the BARLEY, OATS, F ithin 7-10 days following jury. (Linium usitatissium of EAN RECOMMENDATI TMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage.	se compared to a e, insect or disea- ation. e use directions I days following trea- intil spring, at lea 15 lb ai bromoxyni eaf burn from pos- ior to using BRO- re product label w op leaf burn espe t has been under barley, oats, rye a RYE, TRITICALE, BUTYRAC 200 a NS COMMENTS WEEDS Apply to MOST TIBLE weeds to exceed the 4 la inches in heigh in diameter, wh comes first. MENDATIONS COMMENTS WEEDS This tank mix to broadleaf wee grassy weeds
BROCLEAN + Pursuit <sup>®</sup> + non-ionic surfactant	34 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Newada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed- ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfalfa stand is uneven and conditions favor leafburn, unaccep- table 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. BROCLEAN + Pursuit applications made when temperatures are expected to exceed	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	<ul> <li>De reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe following treatme</li> <li>The use of Epide Broclean/A).</li> <li>The use of Epide application of B</li> <li>Follow all restric BROCLEAN tat</li> <li>Tank mixture with warm, humid with BROCLEAN alt into barley, cats See application SECTION.</li> <li>Rainfall or over can cause unad</li> </ul>	Application with a province of the advantage of the advan	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 or or winter treated alfalfa u CLEAN may not exceed 0 we may enhance crop le should be considered pri utions on the tank mixtur esult in unacceptable cro s. ed to seedling alfalfa tha teat that include wheat, I er the BARLEY, OATS, F ithin 7-10 days following jury. (Linium usitatissium of EAN RECOMMENDATI TMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage.	se compared to a e, insect or disea- ation. e use directions I days following trea intil spring, at lea- to the second second part burn from pos- to to using BRO- re product label w op leaf burn espe t has been under barley, oats, rye a RYE, TRITICALE, BUTYRAC 200 a mty) ONS COMMENTS WEEDS Apply to MOST TIBLE weeds the exceed the 4 lea inches in heigh in diameter, wh comes first. MENDATIONS COMMENTS WEEDS This tank mix of broadleaf weeds grassy weeds the Poast labe
BROCLEAN + Pursuit <sup>®</sup> + non-ionic surfactant	34 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Newada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed- ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfafa stand is uneven and conditions favor leafburn, unaccep- table crop injury may occur to alfafa treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth stage conditions, contact your local extension service. BROCLEAN + Pursuit applications made when temperatures are expected to exceed 80° F at and 3 days following applications	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	<ul> <li>De reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a su increased alfalfa</li> <li>Do not cut for fe following treatme</li> <li>The use of Epite application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture with warm, humid with BROCLEAN all into barley, cats See application SECTION.</li> <li>Rainfall or over can cause unad</li> </ul>	Application with a set of the set	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in the r. g treated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 we may enhance crop le should be considered pri utions on the tank mixtur esult in unacceptable cro s. ed to seedling alfalfa tha teat that include wheat, I er the BARLEY, OATS, F ithin 7-10 days following jury. (Linium usitatissium of EAN RECOMMENDATI TMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage. NK MIXTURE RECOMM IMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply this tank mix to flax during or after the bud stage, or within 75 days of	se compared to a e, insect or disea- ation. e use directions to days following trea- intil spring, at lea- to the second second part burn from pos- ior to using BRO- re product label w op leaf burn espe thas been under barley, oats, rye a RYE, TRITICALE, BUTYRAC 200 a mty) ONS COMMENTS WEEDS Apply to MOST TIBLE weeds to exceed the 4 la inches in heigh in diameter, wh comes first. MENDATIONS COMMENTS WEEDS This tank mix to broadleaf wee grassy weeds the Poast labe MOST SUBS
BROCLEAN + Pursuit <sup>®</sup> + non-ionic surfactant	34 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Newada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed- ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfafa stand is uneven and conditions favor leaburn, unaccep- table 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. BFOCLEAN + Pursuit applications made when temperatures are expected to exceed 80° F at and 3 days following application can result in unaccep-	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	<ul> <li>De reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a su increased alfalfa</li> <li>Do not cut for fe following treatme</li> <li>The use of Epite application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture with warm, humid with BROCLEAN all into barley, cats See application SECTION.</li> <li>Rainfall or overi- can cause unard</li> <li>PRODUCT BROCLEAN</li> <li>PRODUCT BROCLEAN</li> <li>Painfall or overi- can cause unard</li> </ul>	Application with a set of the set	ass tonnage may decreation of the second and a specified in the specified in the specified in the specified in the specified and the specified in the specified and the specified in the specified and the specifi	se compared to a e, insect or disea: ation. e use directions t days following trea intil spring, at lear 1.5 lb ai bromoxyni eaf burn from pos ior to using BRO( re product label w op leaf burn espe t has been under barley, oats, rye a RYE, TRITICALE, BUTYRAC 200 a mty) ONS COMMENTS WEEDS Apply to MOST TIBLE weeds th exceed the 4 le inches in heigh in diameter, wh comes first. MENDATIONS COMMENTS WEEDS This tank mix o broadleaf weed grassy weeds the Poast labe MOST SUSCE broadleaf weed on the BROCL
BROCLEAN + Pursuit <sup>®</sup> + non-ionic surfactant	34 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Newada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed- ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfafa stand is uneven and conditions favor leafburm, unaccep- table crop injury may occur to atfalfa treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth stage conditions, contact your local extension service. BFOCLEAN + Pursuit applications made when temperatures are expected to exceed 80° F at and 3 days following application can result in unaccep- table crop injury.	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	<ul> <li>De reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe following treatme</li> <li>The total cumula Broclean/A).</li> <li>The use of Epite application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture with warm, humid with BROCLEAN all into barley, cats See application SECTION.</li> <li>Rainfall or overing can cause unard</li> <li>PRODUCT BROCLEAN</li> <li>PRODUCT BROCLEAN</li> <li>Poast</li> <li>Concentrate or Dash ®</li> </ul>	Application view and a set by other pess a injury will occur ed or graze spring a injury will occur ed or graze spring ead or graze fail in ative rate of BROC am <sup>®</sup> preemerger iROCLEAN and titons and precau nk mixture is use ith 2,4-DB may n reather conditions one can be appli s, rye, triticale, wh restrictions under head irrigation w cceptable crop in FLAX I BROCLEAN TAI APPLICATION T RATE 1 pint/A + 2 pints/A or 2 pints/A	ass tonnage may decreation of the specified in the specified in the greated alfalfa within 30 or winter treated alfalfa uither treated alfalfa that esuith in unacceptable cross. If the the the tank mixtured, esuith in unacceptable cross, and the seedling alfalfa that esuith in clude wheat, ler the BARLEY, OATS, Fithin 7-10 days following ijury. (Linium usitatissium of EAN RECOMMENDATI TMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO-CLEAN to flax during or after the bud stage. NK MIXTURE RECOMMENDATI Do not apply to flax that is 2 to 8 inches in height. Do not apply to flax that is 2 to 8 inches in height. Do not apply to flax that is 2 to 8 inches in height. Do not apply to flax that is 2 to 8 inches in height. Do not apply the track during or after the bud stage, or within 75 days of flax harvest.	se compared to a e, insect or disea- ation. e use directions to days following trea- intil spring, at lea- to the second second second second second to using BRO re-product label w op leaf burn espe- thas been under barley, oats, rye a RYE, TRITICALE, BUTYRAC 200 a mitight of the second second second second second second second thas been under barley, oats, rye a RYE, TRITICALE, BUTYRAC 200 a mitight of the second second second second second second second the second second second second second second the second second second second second second the second
BROCLEAN + Pursuit <sup>®</sup> + non-ionic surfactant	34 - 1 pint/A + 3-6 ounces/A + 1 qt/100 gals.	licatives are expected to exceed 70°F at and 3 days following app- lication can result in unacceptable crop injury. Rainfall or over head irrigation within 7-10 days following a BUTYRAC <sup>®</sup> applica- tion can cause unac- ceptable crop injury. In the states of Cali- fornia, Washington, Oregon, Idaho, Mon- tana, Wyoming, Col- orado, Utah, Newada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seed- ling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfalfa stand is uneven and conditions favor leafburm, unaccep- table 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. BROCLEAN + Pursuit applications made when temperatures are expected to exceed 80° F at and 3 days following application can result in unaccep- table crop injury.	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, which ever comes first; and other grass and broad- leaf weeds listed on the Pursuit label. Weeds should be 1-3 inches tall for optimum control.	<ul> <li>De reduced and due to weed refe</li> <li>Do not apply with has been stress</li> <li>Do not add a suincreased alfalfa</li> <li>Do not cut for fe following treatme</li> <li>The total cumula Broclean/A).</li> <li>The use of Eptic application of B</li> <li>Follow all restric BROCLEAN tai</li> <li>Tank mixture with warm, humid with BROCLEAN all into barley, oats See application SECTION.</li> <li>Rainfall or overfician cause unaction</li> <li>PRODUCT</li> <li>BROCLEAN</li> <li>PRODUCT</li> <li>BROCLEAN</li> <li>Concentrate or Dash ®</li> </ul>	In the advantage of the	ass tonnage may decrea ler moisture, temperature ticide carryover or applic oil unless specified in thu g reated alfalfa within 30 o or winter treated alfalfa u CLEAN may not exceed 0 nce may enhance crop le should be considered pri utions on the tank mixtur ed. esult in unacceptable cro s. ed to seedling alfalfa tha teat that include wheat, er the BARLEY, OATS, F tithin 7-10 days following jury. (Linium usitatissium on EAN RECOMMENDATI TMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage. NK MIXTURE RECOMM TIMING AND SPECIFIC CROP Apply to flax that is 2 to 8 inches in height. Do not apply BRO- CLEAN to flax during or after the bud stage, or within 75 days of flax harvest.	se compared to a e, insect or disea- ation. e use directions I days following trea nutil spring, at lea 15 lb ai bromoxyni af burn from pos ior to using BRO re product label v op leaf burn espe thas been under barley, oats, ree RYE, TRITICALE BUTYRAC 200 a mty) ONS COMMENTS WEEDS Apply to MOST TIBLE weeds t exceed the 4 le inches in heigt in diameter, wh comes first. MENDATIONS COMMENTS WEEDS This tank mix broadleaf wee grassy weeds the Poast labe MOST SUSCI broadleaf wee on the BROCI that do not exc leaf stage, 2 in beint ver 1 inco

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- 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 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.

#### GARLIC BROCLEAN RECOMMENDATIONS APPLICATION TIMING AND SPECIFIC C

AFFLICATION TIMING AND SPECIFIC COMMENTS									
PRODUCT	RATE	CROP	WEEDS						
BROCLEAN	11/2-2 pints/A	Apply to garlic after emergence and before 12 inches in height.	Apply to MOST SUSCEP- TIBLE and SUSCEPTI- BLE broadleaf weeds up						
BROCLEAN (Only for garlic grown in muck soils in North- eastern* United States)	1½-2 pints/A	Apply to garlic after emergence and before 12 inches in height. *May be harvested 60 days after treatment.	to the 4 leaf stage, 2 inch es in height or 1 inch in diameter, whichever comes first.						

#### PRECAUTIONS AND RESTRICTIONS: Garlic

Use a minimum of 20 gallons per acre for ground application.

- Use a minimum of 20 gaining per acte to ground approximate.
   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

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

# ONIONS BROCLEAN RECOMMENDATIONS

APPLICATION TIMING AND SPECIFIC COMMENTS						
PRODUCT	RATE	CROP	WEEDS			
BROCLEAN	Preemergence	Preemergence use	Apply BROCLEAN at 1			
	1-1 1/2 pints/A	restricted to onions	pint/A to control MOST			
		east of the Mississippi	SUSCEPTIBLE weeds			
		River only on muck	and 11/2 pints/A for SUS-			
		soils containing greater	CEPTIBLE weeds. Weeds			
		than 10% organic	should not exceed the 4			
		matter. Apply at least	leaf stage, 2 inches in			
		3 to 4 days prior to	height or 1 inch in dia-			
		emergence. Rainfall	meter, whichever comes			
		or irrigation within 2	first.			
		days following pre-				
		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.				
	Postemergence	Apply only to onions				
	1-11/2 pints/A	which have 2 to 5 true				
		leaves.				
		i lee at least 50-70				
		nailons of water per				
		acre and apply by				
		around 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 environ-				
		mental conditions				
		reduce development of				
		waxy coating on the				
		onion leaves, thus				
		increasing the pos-				
		sibility of injury. Dry				
		soil, dry onion foliage,				
		high light intensity, low				
		humidity, and high				
		temperatures tend to				
		Increase the waxy				
		coating on onion leaves				
		chances for injung this				
		accordial that the soil				
		and onion toliane be				
		dry at the time of				
		application. Humidity				
		should be low and dew				
		should be off the plants.				

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 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.

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

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

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

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

#### BROCLEAN TANK MIXTURE RECOMMENDATIONS

APPLICATION TIMING AND SPECIFIC COMMENTS				
PRODUCT	RATE	CROP	WEEDS	
BROCLEAN + Rhomene or Rhonox (MCPA)	1-2 pints/A + ¼ -½ pint/A	Apply to CRP areas after grasses have reached the 3 leaf stage.Do not use this tank mixture in areas where alfalfa or other legumes have been	This tank mix improves control of mustards, pig- weed, and kochia. Apph up to the 4 leaf stage, 2 inches in height or 1 incl in diameter, whichever 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.
- 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
Per	Per 1000		
ACRE	SQ.FT.		
1 to 2 pints	0.375 to 0.75 fl. oz.	Apply to established and newly seeded grasses for seed or sod production before the boot stage. Established grasses tolerant to BROCLEAN include bentgrasses, Kentucky Bluegrass, Fescues, Ryegrass, Bermuda- grass, St. Augustine- grass, St. Augustine- grass, St. Augustine- grass, St. Augustine- grass, St. Augustine- grass, St. Augustine- grasses and Zoysiagrass. BROCLEAN may also be used on seedling grasses such as Merion, Park, Delta, or common Kentucky Bluegrasses, Illahee or Alta Fescues, Orchardgrass, Highland, Seaside or Astoria Bent- grasses, perennial Rye- grasses, Bahiagrass	Refer to the General Weed List for a listing of susceptible broadleaf weeds. Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height, or 1 inch in diameter).
	RATE Per <u>ACRE</u> 1 to 2 pints	RATE         RATE           Per         Per 1000           ACRE         SQ.FT.           1 to 2         0.375 to           pints         0.75 fl. oz.	RATE         RATE         CROP           Per         Per 1000         ACRE         SQ.FT.           1 to 2         0.375 to         Apply to established         grasses for seed or sod production before the boot stage. Established grasses tolerant to           BROCLEAN include         BROCLEAN include         bentgrasses, Kentucky           Bluegrass, Fescues, Ryegrass, Bermuda-grass, St. Augustine-grass and Zoysiagrass.         BROCLEAN may also be used on seedling grasses such as Merion, Park, Delta, or common Kentucky Bluegrasses, Pennlawn, Chewings, Illahee or Astoria Bent-grasses, perennial Ryegrasses, perennial Ryegrasses, Bahiagrass and Zoysiagrass.

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

## BROCLE EPA REG. NO. 34704-891

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

RATE	RATE		CROP	WEEDS
Product	Per ACRE	Per 1000 SQ.FT.		······
BROCLEAN	2 Pints	0.75	Apply to established	All weed species previ-
+ Weedone DPC Ester	+ 3 to 4 Pints	fl. oz. + 1.125 to 1.5 fl. oz.	non-residential turf grass only. This treat- ment may cause injury to bentgrasses, St. Augustinegrass, centipedegrass, and carpetgrass.	ously listed in the General Weed List for BROCLEAN plus the following species: Dandelion ( <i>Taraxacum</i> officinale) Plantains ( <i>Plantago</i> spp.) Ground Ivy ( <i>Glechoma</i> <i>hederacea</i> ) Red Clover ( <i>Trifolium</i> <i>pratense</i> ) White Clover ( <i>Trifolium</i> <i>repens</i> ) Hop Clover ( <i>Trifolium</i> <i>agrarium</i> ) Common Chickweed ( <i>Stellaria media</i> ) Prostrate Spurge ( <i>Euphorbia supina</i> ) Oxalis ( <i>Oxalis europaea</i> ) Knotweed ( <i>Polygonum</i> <i>aviculare</i> ) Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height,
BBOCI FAN	2 Pints	0.75 fl. 07	Apply to established	or 1 inch in diameter).
HOCLEAN + MCPP	2 Pints + 1.0 lb ai	0.75 h. oz + 0.025 lb ai.	Apply to established non-residential turf- grass only. This treat- ment is not recom- mended for use on St. Augustinegrass or centipedegrass.	All weed species previ- ously listed in the General Weed List for BROCLEAN plus the following species: Red Clover ( <i>Trifolium</i> <i>repens</i> ) White Clover ( <i>Trifolium</i> <i>repens</i> ) Common Chickweed ( <i>Stellaria media</i> ) Mouseear Chickweed ( <i>Cerastium vulgatum</i> ) Ground Ivy ( <i>Glechoma</i> <i>hederacea</i> ) Stitchwort ( <i>Stellaria</i> <i>gramminea</i> ) Knotweed ( <i>Polygonum</i> <i>aviculare</i> ) Prostrate Spurge ( <i>Euphorbia supina</i> ) Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height,
	2 Dinto	0754.07	Apply to patablished	or 1 inch in diameter).
	2 Fints + 0.125 to 0.25 to ai	0.75 11.02 + 0.006 to 0.012 lb ai	Apply to established non-residential turf- grass only. This treat- ment may cause injury to bentgrasses, St. Augustinegrass, centipedegrass, and carpetgrass.	All weed species previ- ously listed in the General Weed List for BROCLEAN and the following species: Red Clover (Trifolium pratense) White Clover (Trifolium repens) Common Chickweed (Stellaria media) Mouseear Chickweed (Cerastium vulgatum) Pepperweed (Lepidium spp.) Knotweed (Polygonum aviculare) Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height, or 1 inch in diameter).

Product	RATE Per ACRE	RATE Per 1000 SQ.FT.	CROP	WEEDS
BROCLEAN + MCPP + Dicamba	2 Pints + 0.5 to 1.0 lb ai + 0.125 to 0.25 lb ai	0.75 fl. oz. + 0.0125 to 0.025 lb ai + 0.003 to 0.006 lb ai	Apply to established non-residential turf- grass only. This treat- mended for use on St. Augustinegrass or centipedegrass.	All weed species previ- ously listed in the General Weed List for BROCLEAN and BROCLEAN/ Dicamba tank mixtures plus the following species: Dandelion ( <i>Taraxacum</i> officinale) Plantains ( <i>Plantago</i> spp.) Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height, or 1 inch in diameter).
BROCLEAN + MCPP + 2,4-D	2 Pints + 0.5 to 1.0 lb ai + 0.5 to 1.0 lb ai	0.75 fl. oz. + 0.0125 to 0.025 lb ai + 0.0125 to 0.025 lb ai	Apply to established non-residential turf- grass only. This treat- ment is not recom- mended for use on St. Augustinegrass or centipedegrass.	All weed species previ- ously listed in the General Weed List for BROCLEAN and BROCLEAN2,4-D tank mixtures plus the following species: Dandelion ( <i>Taraxacum</i> <i>officinale</i> ) Plantains ( <i>Plantago</i> spp.) Red Sorrel ( <i>Rumex</i> <i>acetosella</i> ) Knotweed ( <i>Polygonum</i> <i>aviculare</i> ) Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height, or 1 inch in diameter). Optimal control of red sorrell will require the high use rate of 2,4-D or MCPP

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 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 Per ACRE	RATE Per 1000 SQ.FT.	CROP	WEEDS
BROCLEAN	1 to 2 Pints	0.375 to 0.75 fl. oz.	Apply to non-cropland and industrial sites when weeds have emerged and are actively growing.	Refer to the General Weed List for a listing of susceptible broadleaf weeds. Use adequate spray volumes to ensure thorough coverage. Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height, 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 emp-tying and cleaning, it may be allowable to temporarily hold rinsate or other pes-ticide-related materials in the container. Contact your state requisitory agency to hold materials in the container. ticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural

## BROCLEAN® EPA REG. NO. 34704-891

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

plastic pesticide 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. If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. For packages up to 5 gallons: 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 packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. 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 packages greater than 56 gallons: 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 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 refilter. 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.

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 LOVE-LAND PRODUCTS, 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, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

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 WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS," AND 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 TADE USAGE.

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TO THE EXTENT CONSISTENT WITH 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 COMAS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY. 19

Atrazine 90, Furadan, Hoelon, MSR Spray Concentrate, Pounce and Warhawk are restricted use pesticides.

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