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

> OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

JUN 29 2011

Chris Mason Loveland Products, Inc. P.O. Box 1286 Greeley, CO 80632-1286

Subject: Label Amendment (storage and disposal, response to 5/26/11 Agency letter) Broclean EPA Reg. No. 34704-891 Application Dated April 4, 2011 Resubmission Dated June 21, 2011

Dear Mr. Mason:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

A stamped copy of your label is enclosed for your records. This label supersedes all previously accepted labels. You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after eighteen (18) months from the date of this letter must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

If you have any questions, please contact Mindy Ondish at (703)605-0723 or at ondish.mindy@epa.gov.

Sincerely,

Kable Bo Davis Product Manager 25 Herbicide Branch Registration Division (7505P)



# 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 (DRY BULB), 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%
OTHER 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 CAUTION

#### FIRST AID

If in eyes:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then</li> </ul>				
	continue rinsing eye.				
	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>				
If swallowed:	<ul> <li>Immediately call a poison control center or doctor.</li> </ul>				
	<ul> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> </ul>				
	<ul> <li>Do not give any liquid to the person.</li> </ul>				
	Do not give anything by mouth to an unconscious person.				
If on skin	Take off contaminated clothing.				
or clothing:	Rinse skin immediately with plenty of water for 15 to 20 minutes.     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>					
doctor, or goin FOR A MEDIC 1-866-944-865	luct container or label with you when calling a poison control center or ng for treatment. CAL EMERGENCY INVOLVING THIS PRODUCT CALL: 56. Ician: Contains petroleum distillate. Vomiting may cause aspiration				

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## EPA REG. NO. 34704-891

EPA EST. NO. 51036-GA-1

NET CONTENTS 2½ GALS. (9.46 L)

EXP 04/11 S&D

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing.

#### 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:

- · Long-sleeved shirt and long pants,
- Chemical resistant gloves such as barrier laminate or viton gloves when cleaning equipment; mixing and loading,
- Chemical resistant apron when cleaning equipment, mixing and loading,
- Protective eyewear,
- Shoes plus socks.

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

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or 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. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment washwaters.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

#### **DIRECTIONS FOR USE**

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

Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide 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 24 hours.

Exception: The REI for turf grown for transplanting (e.g. on sod farms) is 26 days. 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,

· Chemical resistant gloves such as barrier laminate or viton gloves,

Shoes plus socks,

Protective eyewear.

For uses on turf grown for transplanting (e.g. on sod farms) notify workers of the application by warning them orally and by posting signs at entrances to reated areas.

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection standard for agricultural pesticides (40 CFR Part 170). The WPS applies when the product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. **Do not enter or allow others to enter the treated area until sprays have dried**.

#### **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.

#### **PRODUCT INFORMATION**

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

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

#### MIXING, LOADING AND HANDLING INSTRUCTIONS

#### 2.5 Gallon Containers

Special care should 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 1/2 to 3/4 full with clean water. Begin agitation and

add the specified amount of BROC. . . . Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application.

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

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

#### COMPATIBILITY OF INSECTICIDES WITH BROCLEAN

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

INSECTICIDE		
COMMON NAME	TRADE NAME	FORMULATION
Diazinon	Various	Emulsifiable Concentrate
Dimethoate	Various	Emulsifiable Concentrate
Trichlorfon	Dylox <sup>®</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 EQUIPMEN							
CROP	GROUND	AERIAL	SPRINKLER IRRIGATION					
Corn (field and pop)	X	X	X					
Sorghum (grain and forage) and Sudangrass	X	x	X					
Small grains	X	X	<u> </u>					
Seedling alfalfa	·X	X	<u> </u>					
Flax	X	Х	······					
Garlic	X	X	X					
Onions (dry bulb)	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	X	X						
Non-cropland/Industrial sites	. X	X						

A) indicates recommended application us

#### 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. A spray volume of 10 to 20 gallons per acre (GPA) is needed 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.

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 ¾ 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 specified 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 high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a connected cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

#### Sensitive Areas

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

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

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

#### Boom Equipment

For control of weed or brush species listed in this label using conventional boom equipment - Use the specified 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 (dry bulb), mint, grasses grown for seed or sod production, garlic, Conservation Reserve Program (CRP) areas and seeding 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
- Do not apply when wind speed tavo treatment.
- Agitation is required 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.
- 12. 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.
- 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.

#### 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.

#### 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 (Arnsinckia intermedia) Common Cocklebur (Xanthium strumarium) Common Lambsquarters (Chenopodium album) Common Tarweed (Hemizonia congesta) Cutleaf Nightshade (Solanum triflorum) Eastern Black Nightshade (Solanum trilorum) Field Pennycress (Thlaspi arvense) Green Smartweed (Polygonum scabrum) Hairy Nightshade (Solanum sarachoides) Jimsonweed (Datura stramonium) Ladysthumb (Polygonum persicaria) Lanceleaf sage (Salvia reflexa) Pennsylvania Smartweed (Polygonum pensylvanicum) Pepperweed spp. (annual) (Lepidium spp.) Shepherdspurse (Capsella bursa-pastoris) Silverleaf Nightshade (Solanum elaeagnifolium) Tartary Buckwheat (Fagopyrum tatoricum) 1Sunflower (Helianthus annus) Wild Buckwheat (Polygonum convolvulus)

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

SUSCEPTIBLE BROADLEAF WEED SPECIES Buffalobur (Solanum rostratum) Burcucumber (Sicyos angulatus) Common Groundsel (Senecio vulgaris) Common ragweed (Ambrosia artemisiifolia) Corn Chamomile (Anthemis arvensis) Corn Gromwell (Lithospermum arvense) Cow Cockle (Saponaria vaccaria) Giant Ragweed (Ambrosia trifida) Hemp Sesbania (Sesbania exaltata) Ivyleaf 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) <sup>2</sup>Redroot Pigweed (*Amaranthus retroflexus*) Russian Thistle (*Salsola kali*) 2Spiny Pigweed (Amaranthus spinosus) Tall Morningglory (Pomoea purpurea) <sup>2</sup>Tall Waterhemp (Amaranthus tuberculatus) Tumble mustard (Sisymbrium altissimum) Velvetleaf (Abutilon theophrasti)

Venice Mallow (Hibisc. )num) 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 uses 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), noinos (dry bulb), garlic; chemigation in seedling alfalfa, barley, oats, rye, triticale, wheat, onions (dry bulb) 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 air equipment.

#### SPECIFIC CROP USES

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 (Śeedling) Flax Garlic

Mint (Established Peppermint and Spearmint) Onions (dry bulb)

#### **GRASS CROPS**

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

#### NON-CROPLAND

Noncropland and Industrial Sites

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

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

2 pints/A only 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 transfer loading	PRODUCT	RATE	CROP	WEEDS
system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS section for complete		Chemigation	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 transfer loading system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS	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

CORN AND SORGHUM APPLICATION RATE TABLE - BROCLEAN

WEED SPECIES	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
	otyledonary leaves	Stage	(inches)	Stage	(inches)
Black Nightshade	(Solanum nigrum)	6	6	6	6
Buffalobur	(Solanum rostratum)	4	2	6	4
Burcucumber	(Sicyos angulatus)	-	•	4	4
Common	(Xanthium strumarium)	6	8	8	10
Cocklebur					
Common	(Chenopodium album)	-	6	-	8
Lambsquarters					
Common Ragweed	(Ambrosia artemisiifolia)	6	4	8	6
Eastern Black	(Solanum ptycanthum)	6	6	6	6
Nightshade					
Giant Ragweed	(Ambrosia trifida)	6	4	6	6
Hemp Sesbania	(Sesbania exaltata)	-	-	4	4
lvyleaf	(lpomoea hederacea)	3	3	4	4
Morningglory					
Jimsonweed	(Datura stramonium)	4	4	6	6
Kochia	(Kochia scoparia)	-	•	-	2
Ladysthumb	(Polygonum persicaria)	4	4	6	6
Pennsylvania	(Polygonum	4	4	6	6
Smartweed	pensylvanicum)				
Pitted	(lpomoea lacunosa)	3	3	4	4
Morningglory					
Redroot Pigweed 3	(Amaranthus retroflexus)	-	-	4	2
Spiny Pigweed 3	(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	-	-	4	2
	tuberculatus)				
Velvetleaf	(Abutilon theophrasti)	4	3	6	5
Venice Mallow	(Hibiscus trionum)	-	-	4	2
Wild Buckwheat	(Polygonum	4	6	6	8
	convolvulus)				
Wild Mustard	(Sinapis arvensis)	-	-	4	4

## WEEDS SUPPRESSED 2

8 inch to bud stage

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

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

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

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

BROCLEAN MIXTURE DIRECTIONS							
PRODUCT	RATE	CROP	WEEDS				
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 weeds and corresponding				
	¾-1 pint/A + ⅓-11/5 lb 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,	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 Weed List.				
	1½ pints/A + ½-11/5 lb ai/A	whichever comes first. 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, whichever comes					

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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.

first.

## **BROCLEAN®**

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

## CORN AND SORGHUM APPLICATION RATE TABLE -

WEED SPECIES 1					BROCLE	EAN AND	) ATRAZI	NE RAT	E (TANK	MIX)			
	¾ Piı	nt/A	34 Pint	/A	1 Pint	/A	1 Pint/	A	1½ Pi	ints/A	1½ Pi	nts/A	
		+	+		-	÷	+		+			+	
	½ lb	ai/A	11/5 lb	ai/A	½ lb a	ai/A	11/5 lb	ai/A	½ lb a	ai/A	1 <sup>1</sup> /5 lb	ai/A	
When determining leaf stage, count all	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	
eaves except cotyledonary leaves.	LEAF	WEED	LEAF	WEED	LEAF	WEED	LEAF	WEED	LEAF	WEED	LEAF	WEED	
Black Nightshade (Solanum nigrum)	STAGE	<u>HGT.</u> 4	STAGE	HGT.	STAGE 6	<u>HGT.</u> 6	STAGE 6	<u>HGT.</u> 6	STAGE 6	<u>HGT.</u>	STAGE 6	<u>HGT.</u> 6	
Black Nightshade (Solanum rigrum) Buffalobur (Solanum rostratum)	4	4	4	4	6	4	6	4	6	4	6	0	
Burcucumber (Sicyos angulatus)	4	4	4	4	4	4	6	4 6	6	6	6	4 6	
Common Cocklebur (Xanthium strumarium)	4	8	8	10	8	10	10	12	10	12	10	12	
Common Cockebur (Xaninium strumanum) Common Lambsquarters (Chenopodium album)	0	6	D	10	0	10	10	12	10	12	10	12	
	-	0	- 8	6	8	6	- 8	6		6	- 8	6	
Common Ragweed (Ambrosia artemisiitolia)	0	4	4	4	8	6	-		8	-	8 6	6	
Eastern Black Nightshade (Solanum ptycanthum)	4	4	4		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	
vyleaf Morningglory (Ipomoea hederacea)	3	3	4	4	4	4	4	4	4	4	4	4	
imsonweed (Datura stramonium)	4	4	4	4	6	6	· 6	6	6	6	6	6	
(ochia (Kochia scoparia)	•	2		2	•	2	-	2	-	4		4	
adysthumb (Polygonum persicaria)	4	4	4	4	6	6	8	8	8	8	8	8	
Marestail (Conyza canadensis)	-	-	-	3	-	5	-	5	•	5	•	5	
Palmleaf Morningglory (Ipomoea wrightii)	-	-	4	3	4	3	4	3	4	8	4	3	
Pitted Morningglory (Ipomoea lacunosa)	3	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 3 (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	
mooth Pigweed <sup>3</sup> (Amaranthus hybridus)	4	2	6	4	4	2	6	4	6	4	6	4	
Spiny Pigweed <sup>3</sup> (Amaranthus spinosus)	4	2	8	6	6	4	8	6	6	4	8	6	
Sunflower (Helianthus' annus)	- A	8	8	10	8	10	10	12	10	12	10	12	
all Morningglory (Ipomoea purpurea)	2	3	4	4	4	4	4	4	4	4	4	4	
all Waterhemp (Amaranthus tuberculatus)	4	2	8	6	6	4	8	6	6	4	8		
oothed Spurge (Euphorbia dentata)	2	2	2	2	4	4	4	4	4	4	4	4	
evetleaf (Abution theophrasti)	4	3	4	3	6	5	6	5	8	6	8	6	
Anice Mallow (Hibiscus trionum)	4	2	4	2	4	2	4	2	4	2	4	2	
Vild Buckwheat <i>(Polygonum convolvulus)</i>	6	8	8	10	8	10	10	12	10	12	10	12	
Wild Buckwheat (Folygonam convolvalus) Wild Mustard (Sinapis arvensis)	4	4	· 4	4	4	4	4	4	4	4	4	4	
	7												
VEEDS SUPPRESSED 2													
Canada thistle (Cirsium arvense)	Not Flecon		Not Flecon	manded	0"	oud	8"-t	u d		aud		bud	

1 When determining leaf stage, count all leaves except cotyledon leaves.

2 Selected rates of BROCLEAN + atrazine tank mixtures suppress the growth by burning down of top growth. Regrowth may occur.
3 It pieweeds (Amaganitus s.) present in the field to be treated have been identified as triazine resistant biotypes use BBOCLEAN a

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						
		4 8-4						
Atrazine 4L	½ 1½	1 Pint 22/s Pints						
Atrazine 80WP	1/2	5/8 Pound						
	11/5	11/2 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 Velvetleaf

For control of velvetleaf up to 14 inches in height, use postemergence application of BROCLEAN at 1½ to 2 pints/A or BROCLEAN + atrazine tank mixture at 1 pint/A + 11/s Ib ai/A. Make a second application of BROCLEAN at 1 pint/A 7 to 10 days later, but do not exceed a total of 2 pints/A of BROCLEAN per season on field corn or popcorn.

#### **Canada Thistle Management**

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

BROCLEAN at  $1\frac{1}{2}$  - 2 pints/A BROCLEAN at 1 -  $1\frac{1}{2}$  pints/A + atrazine at  $\frac{1}{2}$  -  $1\frac{1}{5}$  lbs ai/A BROCLEAN at 1 -1½ pints/A + Rifle® or Clarity® at ¼ - ½ pint/A BROCLEAN at 1 - 1½ pints/A + atrazine at ½-1½ lbs ai/A + Rifle or Clarity at 1/6 - ¼ pint/A

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

BROCLEAN at 1 -  $1\frac{1}{2}$  pints/A + atrazine at  $\frac{1}{2}$ -  $1\frac{1}{5}$  lbs ai/A + 2,4-D at  $\frac{1}{6}$  -  $\frac{1}{4}$  lb ai/A

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

## ADDITIONAL BROCLEAN TANK MIXTURE DIRECTIONS

APPLICATION TIMING AND SPECIFIC COMMENTS							
PRODUCT	RATE	CROP	WEEDS				
BROCLEAN	1 pint/A	Apply to field corn after emergence and before	All weeds controlled by BROCLEAN at recom-				
Rifle	₩-½ pint/A	corn is 36 inches tall or 15 days before tassel emergence, whichever comes first.	mended rates of appli- cation plus improved control of pigweed. For Canada thistle burndown and field				
		Apply to sorghum between the 3 leaf stage and prior to the preboot stage (growth stage 4) 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.	bindweed suppression up to the mid-bloom stage, use ¼-½ pint/A of Rifle with BROCLEAN.				

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EPA REG. NO. 34704-891         PRODUCT         PRIME         PRODUCT         PRIME         PRODUCT         PRIME         PRODUCT         PRIME         PRODUCT         PRIME         PRODUCT         PRIME			BROCLEAN		Δ	PPLICATION	AND SPECIFIC C	OMMENTS
APPLICATION TIME AND SPECIFIC COMMENTS         + tracter				N4	PRODUCT	RATE	CROP	WEEDS
APPLICATION TRANS, AND SPECIFIC COMMENTS         attach         bit we com is 12 content and call and complexity           BROCLEAN         1/b pinsA         Apply to field com         -        -         -         -		EPA	REG. NO. 34704-8	11		1 pint/A		All weeds controlled by BROCLEAN + atrazine
BROCLEAN         110 pintsA         Apply to field corm         2,4-D         (loc h as corm         2,4,4,4						1/2-11/5 lb ai/A	the corn is 12 inches tall.	tank mixtures at recom-
<ul> <li>Here privit Argunst the 4 load stage of the person of the p</li></ul>				WEEDS	+ 2.4-D	+ 1/16-1/4 lb ai/A		mended rates of appli- cation plus improved
BPOCLEAN * Internet for 15 days before tasked enzyments winchwer comes fist.         Accycly to songturn between the 4 kat stage and prior to the protocol stage (growth mange 4) winchwer comes fist.         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protocol stage (growth mange 4)         Ibertween the 4 kat stage and prior to the protoco	+	+	between the 4 leaf		(such as			devils claw control. For
BPOCLEAN         1 pirtA         Apply to sorghum between the 4 leaf stage and piror to the probot stage (growth stage) 4 or 15 inches in height, the ship inches in the ship for the ship inches in the ship the ship in the ship the ship inches in the ship the ship in the ship in the ship in the ship in the ship in the ship i	Rifle	1/8-1/2 pint/A						Canada thistle burn-
BROCLEAN         1 print/A         Apply to sorghum           BROCLEAN         1 print/A         Apply to detect on after the loss of the			before tassel emergence,				and prior to the preboot	weed suppression, use
BROCLEAN         1 pm/A         Apply to sorghum between the 4 leaf stage and dort to the produced of 15 inches in holgh, whichever comes frat. Do not zells at the main brans.         Minore comes frat. Do not zells at the main brans.         Minore comes frat. Do not zells at the main brans.           BROCLEAN         1 pm/A         Apply to field com after anzane brance         Minore at stage and port to the produced comes frat stage and port to the produced comes frat stage anzane         Minore at stage and port to sorghum.         Apply to field com after the stage (growth stage 4) which ever comes frat. Use drop nozzies if come stage (growth stage 4) which ever comes frat. Use drop nozzies if come stage (growth stage 4) which ever comes frat. Use drop nozzies if come stage (growth stage 4) which ever comes frat. Use drop nozzies if come stage (growth stage 4) which ever comes frat. Use drop nozzies if come stage (growth stage 4) which ever comes frat. Use drop nozzies if come stage (growth stage 4) which ever comes frat. Use drop nozzies if come stage (growth stage 4) which ever comes frat. Use drop nozzies if come stage (growth stage 4) mich stal. Use drop nozzies if come stage (growth stage 4) mich stage (g		ł	whichever comes first.					1/8 - 1/4 Ib ai/A of 2,4-D
BROCLEAN         1 pin/A         Apply to field corn stage (provid hisper)         A weeds controlled by and pror to the probod stage (provid hisper)         A weeds controlled by and pror to the probod stage (provid hisper)         Apply to field corn and plane the probod stage (provid hisper)         A broaded for the problem           BROCLEAN         1 pin/A         Apply to field corn is 12 choice in the problem         A weeds controlled by and pror to the problem         Apply to field corn is 12 choice in the corn is 12 choice in the problem         Apply to field corn is 22 choice i							whichever comes first.	MAT DI IOOELAN.
BROCLEAN         t pint/A         Apply to field corn after to rop to latter fram a proposed in the protocial and proto the protocial and protocial to pint/A         All weeds controlled by BROCLEAN + attracting and protocial and pr								
BROCLEAN         1 priviA         Apply to field corn der drop haller than 8         All weeds controlled by BROCLEAN + +         N=16 b al/A         Apply to field corn der drop haller than 8         Apply to field corn der drop haller than 8           BROCLEAN         1 priviA         Apply to solution that all that all drop haller than 8         All weeds controlled by BROCLEAN + atrazine tark matures at recom- mended rates dapple         Apply to sorghum mended rates dapple         Apply to sorghum howes the 4 lead stage and prior to the preboot stage (growth stage 4) or 12 priviA / the b al/A         Apply to field corn der drop to the preboot stage (growth stage 4) or 12 priviA / the b al/A         Apply to field corn der drop to the preboot stage (growth stage 4) or 12 priviA / the b al/A         Apply to not by the b al/A         Apply to sorghum howes the 4 lead stage and bork corn is 12 and bore corn is 12 and bork corn is 12 and bore corn is 12 and bore cor			stage (growth stage 4)			11/2 pints/A	Apply to field corn	
PROCLEAN + + + + + + + + + + + + + + + + + + +						+ 1%-11/5 lb ai/A		
BROCLEAN         1 pin/A         Apply to fail or mather amazine         Apply to signifum between the 3 last stage com 5 /2 inches tail.         Apply to signifum between the 4 last stage response           FIRE         + + *         + *         + *         + *         Apply to fail do orn after tains in height.         All breaded the pin/A           FIRE         + *         + *         + *         + *         + *         + *         Apply to fail         All breaded the pin/A           FIRE         + *         + *         +			Do not apply in the boot			+	inches tall. Use drop	
BROCLEAN + anzane + straine         1 pinVA + + b to 1%         1 pinVA + + b to 1%         All weads controlled by BROCLEAN + atrazine tamin microse and points on 18 inches at accom- control of pyreved. For table phont of sociumes of pyreved. For table phont of the probability of table phont of the probability of table phont table the table phont table tab						1/16-1/4 lb ai/A		
<ul> <li>+ * * * * * * * * * * * * * * * * * * *</li></ul>	00001541	1	inches.					
+ Britle         b al/A + N=k pint/A         Apply to sorghum between the 3 kat stage and port to the produed suppre- sorted of playeed. For stage (growth stage 4) or stage (growth stage 4) which were comes first.         Stage (growth stage 4) the distribution of the produed suppre- sorted of playeed. For stage (growth stage 4) the distribution of the produed suppre- sorted of playeed. For stage (growth stage 4) the distribution of the produed suppre- sorted of playeed. For stage (growth stage 4) the distribution of the produed suppre- sorted of playeed.         Immedia dates of appl- ted bindwer comes first.         All broadlef were sorted of playeed.           11% pint/A + to b al/A to all the stage (growth stage 4) to all the stage of comes stage (growth stage 4) or 12 inches in height, which ever on the 14 and stage and prof to the proboot stage (growth stage 4) or 12 inches in height, which ever on the 14 and stage and prof to the proboot stage (growth stage 4) or 12 inches in height, which ever on the 14 and stage and prof to the proboot stage (growth stage 4) or 12 inches in height, which ever on the 14 and stage in the BROCLEAN         Ip nn/A + to 2255 why apply to lield com the BROCLEAN         Ip nn/A + to 2255 why apply to lield com the BROCLEAN         Ip nn/A + to all bear the come is 12 inches in height, weed control, the bear entre stage or once.         All broadlef we weed control, the bear entre stage or once.           BROCLEAN + to com         1 pint/A + to cont apply this tark bear entre stage or once.         All broadle we stage or once.         All broadle we stage or once.           BROCLEAN + to cont 12 inches in height, web cont 24 and bear to cont 32 inches in height, web control in 22 inches in height, to ont the BROCLEAN + the cont is 22 inches in height, the cont is 22 inc		1 .						
Pittle         +         Apply to sarghum, based end prior to the prebool or 12 inches in height, whichewer comes first, bis later than 8 inches.         cation (bis improved) or 12 inches in height, whichewer comes first, bis later than 8 inches.         cation (bis improved) or 12 inches in height, whichewer comes first, bis later than 8 inches.         12 inches in height, whichewer comes first, bis later than 8 inches.         All broadlaf was controlled by Pitt BROCLEAN           11 pint/A         Apply to sarghum, between the 4 leaf stage and prior to the prebool stage. Use drop nozzies in ches tall.         10 pint/A         Apply to field com preprior to the prebool stage. Use drop nozzies in ches tall.         All broadlaf was controlled by Pitt stater than 8 inches.           11 pint/A         +         +         -			corn is 12 inches tall.					
and prior to the prebod single growth stage or 12 inches in height, whichever comes if icrop is taler than 8 inches. Use drop nozzles if crop is taler than 8 inches. Use drop nozzles if crop is taler than 8 inches. Netween the 4 leaf stage in crops taler than 8 inches. To 12 inches in height, whichever comes first. Do not tapply in the boot stage (rowth stage 4) in crops taler than 8 inches. To 24:0 D and tabe form inches.         BROCLEAN the tale than 8 inches. To 25% w/v)         Ibroadleaf were the tale than 8 inches. To 25% w/v)         Lise drop nozzles if crop is taler than 8 inches. To 25% w/v)         Lise drop nozzles if crop is taler than 8 inches. To 25% w/v)         Lise drop nozzles if crop is taler than 8 inches. To 25% w/v)         Lise drop nozzles withen corn is 12 inches tall.         Lise drop nozzles withen corn is 2 inches tall.         Lise drop nozzles withen tall.         Lise drop nozzles withen corn is 2 inches tall.         Lise drop nozzles withen tall.         Lise		110 al/A	Apply to sorghum					
<ul> <li>stage (growth stage 4) or 12 inches in height. His drop nozzles drop</li></ul>		1/8-1/4 pint/A						
BROCLEAN         BROCLEAN         +         +         +         = mergence or posi- fic hars inches         controlled by BR           1½ pirts/X         Apply to field corn is taler than 8 inches         Apply to field corn between the 4 leaf stage         non-ionic         14 pirts/X         14 pirt							is taller than 8 inches.	
<ul> <li>BPOCLEAN</li> <li>Liss darf han 8 inches</li> <li>Liss darf han 8 inches</li></ul>		ł			+	1 pint/A		All broadleat weeds controlled by BRO-
Implified         Apply to field corm         issues controlled           Product         Participant			Use drop nozzles if crop		Accent <sup>®</sup>	<sup>2</sup> /3 oz/A		CLEAN at 1 or 11/2 pt/A
<ul> <li>Herbergen the 4 leaf stage and before corn is 12 inches tall.</li> <li>Herbergen the 4 leaf stage and prior to the preboot stage (Just Apply to field corn the preboot stage (Just Apply to field corn the BROCLEAN the Accent. Teor opin whichever cornes first. Do not apply this tank mixture with the stage opis taller than 8 inches.</li> <li>I pint/A 2,4D (Just A)</li> <li>I pint/A 4,2D (Just A)</li></ul>		1½ nints/A			+ non-ionic	)1 qt/100		leaves controlled by
<ul> <li>b au/A         <ul> <li>inches tall.             <ul> <li>inches tall.                 <ul> <li>inches tall.</li></ul></li></ul></li></ul></li></ul>		+	between the 4 leaf stage		surfactant			Accent. For optimum
<ul> <li>+ // k - /k pint/A</li> <li>Apply to sorghum between the 4 lead stage and prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Do not apply in the boot stage. Use drop nozzles with incomended grow the A lead stage or size. For the weed size guite than 8 inches.</li> <li>BROCLEAN + + // k - /k b al/A</li> <li>I pint/A</li> <li>Apply to field com the 4 lead stage or size. For pis tale mergence and prior to tassel emergence. Use drop nozzles with BROCLEAN + + // k - /k b al/A</li> <li>I pint/A</li> <li>Apply to field com the A lead stage or size. For pis tale mergence and prior to tassel emergence. Use drop noze stage, for or is stale for the stage or size. For pis tale mergence and prior to tassel emergence use the for tassel emergence. Use drop noze with BROCLEAN. + + // k - /k b al/A</li> <li>I pint/A</li> <li>Apply to field com the 4 lead stage and prior to tassel emergence. Use drop noze stage (growth stage 4) or to stage (growth st</li></ul>						(0.25% V/V)		broadleaves and
BROCLEAN       1 pint/A       1 pint/A       1 pint/A       stage (growth stage 4) or 12 inches in height, whichever comes first. Do not apply in the boot stage (growth stage 4) or 12 inches in height, whichever comes first. Do not apply in the boot stage Used point comes first. Do not apply in the boot stage Used point comes first. Do not apply in the boot stage Used point comes first. Do not apply in the boot stage Used point comes first. Do not apply in the boot stage Used point comes first. Do not apply this tark inches       BROCLEAN       1 pint/A       Apply to field com       All proadlead were com size 4-36 inches tall. Do not apply this tark inches in height.         BROCLEAN       1 pint/A       Apply to field com after inches.       All weeds controlled by BR CLEAN + atrazine on norm. These mixtures increase B inches in height.       All weeds controlled by BROCLEAN a trazine on once. These mixtures increase B inches in height.       All weeds controlled by BROCLEAN a trazine on sorghum.         BROCLEAN + + + tex       1 pint/A       Apply to field com after emergence and prior to targe (growth stage 4) or targe (growth s		+				11/2 pint/A		grasses are in the rec-
BROCLEAN       1 pint/A       Apply to field corn the BROCLEAN or tassel less plus       All weeds controlled by BR         BROCLEAN       1 pint/A       Apply to field corn the BROCLEAN or the BROCLE		1/8 - 1/4 pint/A				2/3 oz/A	up to 36 inches in height.	stage or size. Follow
BROCLEAN     1 pint/A     Apply to field corn from farter mixture with BROCLEAN at recommended rates plus for the singelia than 8 inches.     9 ai of water     Do not apply this tank     Accent tables the ast restrictive.       BROCLEAN     1 pint/A     Apply to field corn from the deal stage use down not so sorghum.     Apply to field corn from the deal stage or the deal stage (growth stage 4) or to the previous for the mixed or the deal stage (growth stage 4) or to the previous for the mixed or the deal stage (growth stage 4) or to the previous for the mixed or to the mixed or to the mixed or the deal stage or growth and perform the deal stage or growth and perform the deal stage or growth and perform the deal stage or the deal stage or growth and perform the deal stage or the deal stage or growth and perform to the previous or growth and perform the deal stage or growth and perform the deal stage or growth and perform the deal stage or grow								the weed size guideline on the BROCLEAN or
BROCLEAN       1 pint/A       Apply to field corn       All broadleat week controlled by BR         CLEAN       + <td></td> <td></td> <td></td> <td></td> <td></td> <td>gal. of water</td> <td>Do not apply this tank</td> <td>Accent labels that are</td>						gal. of water	Do not apply this tank	Accent labels that are
BROCLEAN       1 pint/A       Apply to field corn after the shinger. Use a for point the assel mergence. Use drop nozzles if crop is taller than 8 inches.       All weeds controlled by the ski b al/A       + + + + + + + + + + + + + + + + + + +		l	whichever comes first.		BBOCI EAN			
BROCLEAN       1 pint/A       Apply to sigle corn to the set of the set					+	+'	preemergence or post-	controlled by BRO-
BROCLEAN       1 pint/A       Apply to field corn after the same rates as Rtille in a tank mixture on corn. These mixtures must be applied before corn exceeds 8 inches in height.       All weeds controlled by BROCLEAN or SROCLEAN or SROCLEAN + trazaine on sorghum.       All weeds controlled by the weed size gu to corn socretail Do not use Clarity in a tank mixture with BROCLEAN or SROCLEAN + trazaine on sorghum.       All weeds controlled by the weed size gu to corn socretail De not use Clarity in a tank mixture with BROCLEAN or SROCLEAN + trazaine on sorghum.       All weeds controlled by the weed size gu to corn socretail De not use Clarity in a tank mixture with BROCLEAN are stage or size FC the weed size gu to corn socretail.       Do not apply this tank mix to sorghum.       All weeds controlled by the weed size gu to corn socretail.         BROCLEAN + + (such as WEEDDAP® and WEEDDAP® brand HERBICIDE)       1 pint/A Apply to field corn fire tailer than 8 inches.       All weeds controlled by BROCLEAN to be sorghum to weed suppression up to the midbloom stage, use % - % the ai/A of 1% pints/A Apply to field corn to tailer than 8 inches.       All broadleaf wee controlled by the weed suppression up to the midbloom stage, use % - % the ai/A of 1% pints/A Apply to field corn to the midbloom stage, use % - % the ai/A of 1% pints/A Apply to field corn the the weed suppression up to tailer than 8 inches.       All broadleaf wee controlled by BR CLEAN at 1 p/A grasses are in th oom-nonic targe or size. FC the weed size gu the weel size gu the between the 4 leaf stage and prior to tassel emerge						1/2-11/5 ID at/A		CLEAN + atrazine plus grasses and broad
BROCLEAN     1 pint/A     Apply to field corn after emergence and prior to 2,4-D     Apply to field corn after emergence and prior to 2,4-D     Apply to field corn after emergence and prior to 2,4-D     Apply to field corn after emergence and prior to tasle trans inches.     All weeds controlled by BROCLEAN + transine on sorghum.     BROCLEAN + transine and prior to the preboot stage (growth stage 4) or 15 inches in height. Use weed control, tree surfactant     All weeds controlled by the weed size gu to the BROCLEAN     Weed control, tree weed control, tree grasses are in th between the 4 leaf stage to the weed size gu to the BROCLEAN at recom- mended rates plus inches in height. Use taller than 8 inches.     All weeds controlled by BROCLEAN + transine on sorghum.     Weed control, tree surfactant     Weed control, tree grasses are in th between the 4 leaf stage to the weed size gu to the BROCLEAN + taller than 8 inches.     Weed controlled by the wide biord- weed sorghum between the 3 leaf stage to the weed size gu to the BROCLEAN + taller than 8 inches.     All weeds controlled by BROCLEAN, the taller than 8 inches.     All broadleat weed controlled by BR Class stage and prior to the preboot stage (growth stage 4) or 15 inches in height. Use drop nozzles if crop is taller than 8 inches.     All broadleat weed control, tree taller than 8 inches.     All broadleat weed control, tree taller than 8 inches.     All broadleat weed control the preboot stage or size. Fc canada thiste burn- down and field bind- weed suppression up to taller than 8 inches.     All broadleat weed control, tree taller than 8 inches.     All broadleat weed control, tree the weed size gu times on the BROCLEAN or the taller than 8 inches.		ļ	1Clarity may be used			<sup>2</sup> /3 oz/A		leaves controlled by
BROCLEAN     1 pint/A     Apply to field corn acceds B inches in height.     All weeds controlled by BROCLEAN or sorghum.     Surfactant     gal. of water (0.25% v/v)     when broadleave grasses are in th memedid grow stage or size. Fc the weed size gu the midbloom size, for or p is taller than 8 inches.           WEEDAR <sup>®</sup> Brand HERBICIDE)         1½ pints/A         Apply to field corn the prebot size ge (rowth size for po is taller the 3 inches.         All broadleave gu sets - for or p is taller the 3 inches.         All broadleave gu sets - for or p is taller the all the size gu sets - for or p is taller the all the weed size gu the weed size gu the weed size gu the with BROCLEAN.						1 qt/100	Thix to sorghum.	weed control, treat
BROCLEAN       1 pint/A       Apply to field corn       Apply to field corn       ommended grow         BROCLEAN       1 pint/A       Apply to field corn atter       the weed size of       on the BROCLEAN         BROCLEAN       1 pint/A       Apply to field corn atter       the weed size of       on the BROCLEAN         BROCLEAN       1 pint/A       Apply to field corn atter       the weed size of       on the BROCLEAN         2,4-D       1/fe-1/4 lb ai/A       Apply to field corn atter       emergence. Use       mended rates plus       improved pigweed and       the weed size of       Accent tabels the         WEEDONE® and       WEEDONE® and       Apply to sorghum       Apply to sorghum       Beacon®       0.38-0.76       Oon of apply this tank       All broadleaf weed supproved pigweed and heres       the midbloom stage,       use 1/6 - 1/6 hore       CLEAN at 1 pt/A         WEEDONE® and       Apply to sorghum       between the 3 leaf stage       weed suppression up to the midbloom stage,       use 1/6 - 1/6 hore       the midbloom stage,       use 1/6 - 1/6 hore       Use 3/6 - 1/6 hore       Use 3/6 - 1/6 hore       Beacon       for water       Oo not apply this tank       CLEAN at 1 pt/A       grasses are in th omn-ionic       sase (growth stage 4) or       the midbloom stage,       use 1/6 - 1/6 hore       the weed stage       for water       Ore apply to field c					surfactant			when broadleaves and
BROCLEAN       1 pint/A       Apply to field corn after the mergence. Use drop nozzles if crop is taller than 8 inches.       All weeds controlled by BROCLEAN at recom- mended rates plus improved pigweed and kochia control. For Canada thistle burn- down and field bind- weed suze gut the corn si 12 inches tall. 2% oz/A       Of corn growth and before the corn si 12 inches tall. 2% oz/A       Improved pigweed and kochia control. For Canada thistle burn- down and field bind- weed suze gut the corn si 12 inches tall. 2% oz/A       Of corn growth and before the weed size gut the midbloom stage, the weed size gut the weed								ommended growth
BROCLEAN       1 pint/A       Apply to field corn after emergence and prior to 2,4-D       All weeds controlled by BROCLEAN + atrazine on sorighum.       All weeds controlled by BROCLEAN tall.       + + +       the corn is 12 inches tall. Do not apply this tank mix to sorghum.       on the BROCLEAN +       Accent labels the least restrictive.         BROCLEAN       1 pint/A       Apply to field corn after emergence and prior to 2,4-D       All weeds controlled by taller than 8 inches.       All weeds controlled by BROCLEAN at treecom- mended rates plus improved pigweed and kochia control. For Canada thistle burn- down and field bind- weed suppression up to taller than 8 inches.       All broadleaf weed controlled by BR CLEAN at to 20 inches in height. Do not apply this tank mix to sorghum.       All broadleaf weed controlled by BR CLEAN at to 20 inches in height. Do not apply this tank weed suppression up to the midbiom stage, is taller than 8 inches.       All broadleaf weed controlled by BR CLEAN at to 20 inches in height. Do not apply this tank weed suppression up to the midbiom stage, is taller than 8 inches.       All broadleaf weed controlled by BR CLEAN at to 20 inches in height. Do not apply this tank weed suppression up to the midbiom stage, is taller than 8 inches.       All broadleaf weed controlled by BR CLEAN at to 20 inches in height. Do not apply this tank weed suppression up to the midbiom stage, is taller than 8 inches.       All broadleaf weed controlled by BR CLEAN of it with BROCLEAN.       Here weed suppression up to the midbiom stage, is taller than 8 inches.       Here weed suppression up to the weed suppression up to the midbiom stage, inse on the BROCLEAN of ibabels that are le restrictive.								stage or size. Follow
BROCLEAN + atrazine on sorghum.     All weeds controlled by gal. of water     mix to sorghum.     least restrictive.       BROCLEAN + atrazine on sorghum.     1 pint/A +     Apply to field corn after emergence and prior to tassel emergence. Use drop nozzles if crop is taller than 8 inches.     All weeds controlled by BROCLEAN at recom- mended rates plus improved pigweed and kochia control. For Canada thistle burn- down and field bind- weed supression up to the midbloom stage. growth stage 4) or 15 inches in height.Use drop nozzles if crop is taller than 8 inches.     All broadleaf wee controlled by BROCLEAN + taller than 8 inches.     All broadleaf wee controlled by BROCLEAN + taller than 8 inches.     All broadleaf wee controlled by the midbloom stage. growth stage 4) or taller than 8 inches.     All broadleaf wee controlled by BROCLEAN + taller than 8 inches.     All broadleaf wee controlled by BROCLEAN + taller than 8 inches.     All broadleaf wee controlled by BROCLEAN + taller than 8 inches.       1½ pints/A + Vie-¼ lb ai/A     Apply to sorghum between the 4 leaf stage and prior to tassel emergence. Use drop nozzles if crop is taller     Apply to field corn the midbloom stage. growth stage (frow th stage drop nozzles if crop is taller     Apply to field corn taller than 8 inches.     Apply to field corn the weed size gul lines on the BROCLEAN.     Apply to field corn the midbloom stage. growth stage 1 or taller than 8 inches.     Apply to field corn the weed size gul lines on the BROCLEAN.     Herefore the weed size gul lines on the BROCLEAN.     Herefore the weed size gul lines on the the restrictive.						+	the corn is 12 inches tall.	on the BROCLEAN or
BROCLEAN       1 pint/A       Apply to field corn after emergence and prior to tassel emergence. Use drop nozzles if crop is taller than 8 inches.       All weeds controlled by BROCLEAN at recom- mended rates plus interved pigweed and kochia control. For Canada thistle burn- down and field bind- the midbloom stage, use ½ - ½ bints/A       Apply to field corn form taller than 8 inches.       All broadleaf wee controlled by BR CLEAN at recom- mended rates plus inches plus kochia control. For Canada thistle burn- down and field bind- the midbloom stage, use ½ - ½ lb ai/A       Apply to sorghum.       All broadleaf wee controlled by BR CLEAN at recom- mended rates plus kochia control. For Canada thistle burn- down and field bind- the midbloom stage, use ½ - ½ lb ai/A of 2,4-D with BROCLEAN.       1 qt/100 gal. of water (0.25% v/v)       Apply to field corn from to 20 inches in height. Do not apply this tank mix to sorghum.       All broadleaf wee controlled by BR CLEAN at 1 pt/A grasses and broa leaves controlled userssion up to the midbloom stage, use ½ - ½ lb ai/A of 2,4-D with BROCLEAN.       1 qt/100 gal. of water (0.25% v/v)       All broadleaf wee controlled by BR CLEAN at 1 pt/A grasses and broa leaves controlled userssion up to the midbloom stage, use ½ - ½ lb ai/A of 2,4-D with BROCLEAN.         1½ pints/A + ½ bitwee the 4 leaf stage and prior to tassel emergence. Use drop nozzles if crop is taller       Apply to field corn the weed size gu lines on the procleas in trop is taller than 8 inches.       Image: the midbloom stage, use ½ - ½ lb ai/A of 2,4-D with BROCLEAN.       Image: the midbloom stage, use ½ - ½ lb ai/A       Image: the midbloom stage, use ½ - ½ lb ai/A of 2,4-D with BROCLEAN.       Image: the midbloom stage, use ½ - ½ lb ai/A       Image: the midbloom stage, use ½ - ½ lb ai/A								Accent labels that are least restrictive
+       +			on sorahum.			1 qt/100	This to beighten in	
2,4-D       1/16-1/4 lb ai/A       1/16-1/4 lb ai/A       1/16-1/4 lb ai/A       1/16-1/4 lb ai/A       Apply to field corn from drough and provided pigweed and kochia control. For Canada thistle burn-toxic and thistle burn-toxic and thistle burn-toxic and thistle burn-toxic and the provided stage (growth stage 4) or 15 inches in height. Use drop nozzles if crop is taller than 8 inches.       Apply to sorghum between the 3 leaf stage and prior to the preboot stage (growth stage 4) or 15 inches in height. Use drop nozzles if crop is taller than 8 inches.       Apply to sorghum between the 4 leaf stage and prior to the preboot stage (growth stage 4) or 15 inches.       1/1/2 pints/A       Apply to field corn between the 4 leaf stage and prior to the preboot stage (growth stage 4) or 15 inches.       1/1/2 pints/A       Apply to field corn between the 4 leaf stage and prior to tassel error to tassel error is taller       1/1/2 pints/A       Apply to field corn between the 4 leaf stage and prior to tassel error to tassel error is taller       Apply to field corn between the 4 leaf stage and prior to tassel error is taller       Apply to field corn between the 4 leaf stage and prior to tassel error is taller       Apply to field corn between the 4 leaf stage and prior to tassel error is taller       Apply to field corn between the 4 leaf stage and prior to tassel error is taller       Apply to field corn between the 4 leaf stage and prior to tassel error is taller       Apply to field corn between the 4 leaf stage and prior to tassel       Apply to field corn between the 4 leaf stage and prior to tassel       Apply to field corn between the 4 leaf stage and prior to tassel       Apply to field corn between the 4 leaf stage and prior to tassel       Apply to field corn between the 4		1 pint/A						
(BUELDONE® and WEEDAR® Brand HERBICIDE)       Apply to sorghum between the 3 leaf stage and prior to the preboot stage (growth stage 4) or 15 inches in height.Use drop nozzles if crop is 1½ pints/A       Apply to sorghum between the 4 leaf stage and prior to tassel weed suppression up to stage (growth stage 4) or 15 inches.       Improved pyrobal and control. For Canada thistle burn- down and field bind- weed suppression up to surfactant       0.38-0.76 oz/A (1-2 packets/4 acres)       Do not apply this tank mix to sorghum.       CLEAN at 1 pt/A grasses and broa leaves controlled between the 3 leaf stage and prior to the preboot stage (growth stage 4) or 15 inches.       CLEAN at 1 pt/A conta control. For weed suppression up to surfactant       Do not apply this tank mix to sorghum.       CLEAN at 1 pt/A grasses and broa leaves controlled acres)         1½ pints/A + 1/ie-½ lb ai/A       Apply to field corn between the 4 leaf stage and prior to tassel emergence. Use drop nozzles if crop is taller       Apply to field corn between the 4 leaf stage and prior to tassel       0.38-0.76 ozha thistle burn- te mit to sorghum.       Do not apply this tank mix to sorghum.       CLEAN at 1 pt/A grasses are 1 th 0/100 gal.		1/16-1/4 lb ai/A	tassel emergence. Use	mended rates plus	BROCLEAN			All broadleaf weeds
WEEDAR® Brand HERBICIDE)       Apply to sorghum between the 3 leaf stage and prior to the preboot stage (growth stage 4) or 15 inches in height.Use drop nozzles if crop is taller than 8 inches.       Apply to sorghum between the 3 leaf stage and prior to the preboot stage (growth stage 4) or 15 inches in height.Use drop nozzles if crop is taller than 8 inches.       Apply to sorghum between the 4 leaf stage and prior to the preboot stage (growth stage 4) or 15 inches in height.Use drop nozzles if crop is taller than 8 inches.       Apply to field corn the weed stage and prior to tassel and prior to the preboot stage (growth stage 4) or 15 inches in height.Use drop nozzles if crop is taller than 8 inches.       inches.<	(such as WEEDONE <sup>®</sup> and	ł			+ Beacon®	+ 0.38-0.76		controlled by BRO- CLEAN at 1 pt/A plus
11/2 pints/A       Apply to field corn         11/2 pints/A       Image field corn         11/2 pints/A       Image field corn         11/2 pints/A       Image field corn	WEEDAR <sup>®</sup> Brand			Canada thistle burn-				grasses and broad
<ul> <li>and prior to the prebot stage (growth stage 4) or 15 inches in height.Use drop nozzles if crop is taller</li> <li>1½ pints/A</li> <li>Apply to field corn</li> <li>the midblom stage, use ½ - ½ lb ai/A of 2,4-D with BROCLEAN.</li> <li>1½ pints/A</li> <li>Apply to field corn</li> <li>the midblom stage, use ½ - ½ lb ai/A of 2,4-D with BROCLEAN.</li> <li>1½ pints/A</li> <li>Apply to field corn</li> <li>the weed size gue lines on the BROCLEAN and prior to tassel emergence. Use drop nozzles if crop is taller</li> </ul>	HERBICIDE)							Beacon. For optimum
15 inches in height Use drop nozzles if crop is taller than 8 inches.     2,4-D with BROCLEAN.     of water (0.25% v/v)     grasses are in th ommended grow stage or size. For the weed size gu lines on the BROCLEAN or E labels that are le restrictive.			and prior to the preboot	the midbloom stage,		+		weed control, treat
1½ pints/A     Apply to field corn       +     between the 4 leaf stage       ½/16-½ lb ai/A       nozzles if crop is taller								grasses are in the rec-
1½ pints/A       Apply to field corn       the weed size gut lines on the         +       between the 4 leaf stage       lines on the         1/ie-¼ lb ai/A       and prior to tassel       BROCLEAN or E         emergence. Use drop       nozzles if crop is taller       restrictive.			drop nozzles if crop is			(0.25% v/v)		ommended growth
+ between the 4 leaf stage 1/16-1/4 lb ai/A and prior to tassel emergence. Use drop nozzles if crop is taller		1½ nints/A		4				stage or size. Follow the weed size guide
emergence. Use drop labels that are le restrictive.		+ '	between the 4 leaf stage					lines on the
nozzles if crop is taller		1/16-1/4 lb ai/A						BROCLEAN or Beacon labels that are least
			nozzles if crop is taller					restrictive.
than 8 inches.		ļ	than 8 inches.					
Apply to sorghum				1				
between the 4 leaf stage and prior to the preboot								
stage (growth stage 4) or			stage (growth stage 4) or					
15 inches in height. Use drop nozzles if crop is								
taller than 8 inches.		<u> </u>						

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				Δ	PPLICATION T		COMMENTS
				PRODUCT	RATE	CRUP	WEEDS
	EPA I	REG. NO. 34704-8	391	BROCLEAN	Preemergence 1-11/2 pints/A	Apply to corn or sorghum before planting	All weeds controlled by BROCLEAN at recom-
	APPLICATION	TIMING AND SPECIFIC	COMMENTS	+ glyphosate	+	time up until just prior	mended rates of applica-
PRODUCT	RATE	CROP	WEEDS	(Makaze)	1/2-3 pints/A	to crop emergence.	tion plus control of certain
BROCLEAN + Exceed <sup>®</sup> + non-ionic	34-1 pint/A + 0.5-1.0 oz/A + 1 qt/100	Apply to field corn from 4 to 48 inches in height and before tasseling, whichever comes first. Do not apply this tank	Addition of Exceed at 0.5 ounce/A to BRO- CLEAN at 3/-1 pint/A will control all weeds on the BROCLEAN label			Refer to glyphosate label for rate to use depending on weeds present at time of application.	
surfactant	gai. of water (0.25% v/v)	mix to sorghum.	at 1 pint/A plus improved control of velvetleaf and pigweed species. Addition of Exceed at 1.0 oz./A to BROCLEAN at ¾-1 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 restrictive.	<ul> <li>Forage) and Sud.</li> <li>BROCLEAN doe grass control pro</li> <li>Addition of a spracrop leaf burn.</li> <li>Seed corn product tolerance of certa</li> <li>Do not apply BR 3 leaf stage of cr</li> <li>Do not plant rota</li> </ul>	angrass is not control gr gram be used if ay additive or m incers should co ain seed produc OCLEAN poste op growth as e tional crops un	TIONS: Corn (Field and rasses. Therefore, it is rec to provide any required gr ixture with liquid fertilizers nsult the respective seed ction inbred lines to BROC	s may cause excessive corn company regarding DLEAN. nbreds or popcorn prior to the way occur.
BROCLEAN + Permit® + non-ionic surfactant	%-1 pint/A + 1/s- 2/s oz/A + 1 qt/100 gal. of water (0.25% v/v)	Apply to field corn from the 3 leaf stage to layby. Do not apply this tank mix to sorghum.	Addition of Permit at 1/3 oz/A to BROCLEAN at 3/4- 1 pint/A will control all weeds on the BROCLEAN label at 1 pint/A plus improved control of velvet- leaf and pigweed species. Addition of Permit at 2/3 oz./A to BROCLEAN at 3/4-1 pint/A will control all weeds on both the BROCLEAN and Permit labels. Follow the weed size guidelines on the BROCLEAN and Permit labels that are least restrictive.	<ul> <li>The total cumula</li> <li>Postemergence a result in increase</li> <li>Tank mixtures wi in increased initia or other adjuvant may result in a fu</li> <li>Special care sho mixtures to avoid c</li> <li>Tank mixtures wi Tank mixtures wi cultivation may cau</li> <li>Follow all restrict with BROCLEAN</li> <li>Do not apply BR (growth stage 4)</li> <li>Do not apply the</li> </ul>	tive rate may no application price de crop leaf burr th Accent/nonic al crop leaf burr is in BROCLEA urther increase uld be taken with off target drift to th 2,4-D, Riffe, ith 2,4-D, Riffe, ith 2,4-D, Riffe, ise breakage with ions and precar I. OCLEAN at an as severe crop 2 pints/A rate of	ot exceed 0.5 lb ai bromo r to the 3 leaf growth stag n. Use of crop oil concentr N + Accent or BROCLEA in crop leaf burn. hen using BROCLEAN, F sensitive crops. or Clarity can cause stalk file can cause stalk brittle. utions on the label of all p y rate to sorghum after th injury, including loss of cr of BROCLEAN to sorghur	xynil/A (2 pints Broclean/A). e of corn or sorghum may /nonionic surfactant may result rate, nitrogen fertilizer solution N + Beacon tank mixtures tifle, Clarity or 2,4-D tank brittleness to field corn. ness to sorghum. Winds or roducts used in tank mixture e preboot stage of growth op yield may result. n.
BROCLEAN	1 pint/A	Apply to field corn	All weeds controlled by				o field corn hybrids known to
+ Stinger®	+ 1/3- 2/3 pint/A	after emergence up to 24 inches in height. Do not apply this tank mix to sorghum.	BROCLEAN at recom- mended rates of applica- tion plus improved Canada thistle burndown. BROCLEAN DIRECTIONS			RITICALE	
	1 ½ pints/A	Apply to field corn from	For optimum perfor-	PRODUCT	PPLICATION T	IMING AND SPECIFIC C	OMMENTS
	+ 1/3- <sup>2</sup> /3 pint/A	4 leaf stage up to 24 inches in height. Do not apply this tank mix to sorghum.	mance apply to Canada thistle at least 4 inches in diameter or height but before bud stage.	BROCLEAN	1 - 2 pints/A	Spring seeded wheat, barley, oats, rye and triticale. Use in all	Apply 1 pint/A to MOST SUSCEPTIBLE and 1½-2 pints/A to SUSCEPTIBLE
BROCLEAN	1 pint/A	Apply to field corn after emergence and before	All weeds controlled by BROCLEAN + atrazine			states except Idaho, Oregon, Washington,	weeds that do not exceed the 4 leaf stage or 2
+ atrazine	+ 1/2-11/5 lb ai/A	corn is 12 inches tall. Do not apply this tank	tank mixtures at recom- mended rates of applica-			Colorado, Wyoming and Montana. Apply	inches in height, which ever comes first. If weed
+ Stinger®	1/3- 2/3 pint/A	mix to sorghum.	tion plus improved Canada thistle burndown.			from emergence up and prior to the boot	forms rosette, apply before weeds exceed
BROCLEAN	1½ pints/A + ½-1½ lb ai/A + ⅓-2⁄3 pint/A ¾-1 pint/A	Apply to field corn from 4 leaf stage and before corn is 12 inches tall. Do not apply this tank mix to sorghum. Apply this tank mix	For optimum performance apply to Canada thistle at least 4 inches in diameter or height but before bud stage. This tank mix will control			stage.	1 inch in diameter. Use BROCLEAN at 1½-2 pints/A for control of kochia that is 2-4 inches in height and pigweed that does not exceed the
+ Pursuit <sup>®</sup>	+ 4 ounces/A	only on field corn hybrids possessing	all broadleaf weeds listed as controlled by BRO-				4 leaf stage or 2 inches in height, whichever comes first.
+ nonionic	+ 1 qt/100 gals.	resistance to Pursuit herbicide. Contact your	CLEAN at ¾-1 pint/A plus giant foxtail, redroot		11/2-2 pints/A	Fall seeded wheat,	Apply to MOST SUSCEP-
+ UAN fertilizer solution	+ 1-2 qts/A	seed supplier for further information. Apply this tank mix to corn between the 3 leaf to 8 leaf stage of growth. Do not use crop oil concentrates when applying	pigweed, and other grass and broadleaf weeds listed on the Pursuit label.			barley, oats, rye and triticale throughout the United States. Apply from emergence to the boot stage. Spring seeded wheat, barley, oats, rye and triticale in Idaho,	TIBLE weeds (see Gen- eral Weed List) up to the 8 leaf stage or 4 inches in height, which ever comes first. If weed forms rosette apply before weeds exceed 2 inches in diameter. Apply to SUSCEPTIBLE
		BROCLEAN + Pursuit tank mixtures.				Oregon, Washington, Colorado, Wyoming and Montana. Apply from emergence up and prior to the boot stage.	4 leaf stage, 2 inches in height or 1 inch in diame- ter, whichever comes first.

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	APPLICATIO	N TIMING AND SPECIFI	IC COMMENTS
PRODUCT	RATE	CROP	WEEDS
BROCLEAN	Chemigation Only 2 pints/A	Apply to wheat, barley, oats, rye and triticale from emergence to the boot stage. Apply through automated sprinkler irrigation systems with a mech- anical transfer loading system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS section for complete details.	Apply to MOST SUS- CEPTIBLE 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, whichever comes first. Do not use chemigation for control of weeds that exceed 4 inches in height because control may be
	Barley, oats, rye, triticale, and wheat underseeded with alfalfa 1-1½ pints/A	Apply to barley, oats, rye, triticale, and wheat underseeded with alfalfa after barley, oats, rye, triticale, and wheat emerge up to the boot stage and when underseeded alfalfa has a minimum of 4 trifoliate leaves. Follow all precautions and restrictions listed under the barley, oats, rye, triticale, wheat and seedling alfalfa sections.	unacceptable. Apply 1 pint/A to MOST SUSCEPTIBLE and 1½ pints/A to SUSCEPTIBLE broadleaf weeds that do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.

## BROCLEAN TANK MIXTURE DIRECTIONS

APPLICATION TIMING AND SPECIFIC COMMENTS					
PRODUCT	RATE	CROP	WEEDS		
PRODUCT BROCLEAN + 2,4-D (such as WEEDONE or WEEDAR brand HERBICIDE)	RATE 1-2 pints/A + ¼-½ lb ai/A ¾-1 pint/A + ¼-½ lb ai/A	CROP Apply to wheat, barley, oats and rye from the fully tillered and before jointing stage. Apply to wheat and barley in Minnesota, North and South Dakota from the fully tillered and before the jointing stage.	This tank mix improves control of mustards and pigweed. Apply to weeds up to the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever <u>comes first</u> . This tank mix improves control of wild buck- wheat, redroot pigweed and wild mustard. Apply to weeds up to the 4 leaf stage, 2 inches in height		
			or 1 inch in diameter, whichever comes first.		
BROCLEAN + MCPA (such as RHONOX <sup>®</sup> or RHOMENE <sup>®</sup> )	1-2 pints/A + ¼-½ lb ai/A	Apply to wheat, barley, oats and rye from the 4 leaf stage and before jointing.	This tank mix improves control of mustards, pig- weed and kochia. Apply to weeds up to the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.		
BROCLEAN + Rifle	1-1½ pints/A + 1 <sub>8</sub> -1⁄4 pint/A	Fail seeded wheat apply prior to the jointing stage. Spring seeded wheat apply up to the 5 leaf stage.	This tank mix improves control of broadleaves such as prostrate knot- weed. Apply to weeds up to the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.		
BROCLEAN + Glean® + nonionic surfactant	34-11/2 pints/A + 16-1/3 oz/A + 1 qt/100 gal. of water	Apply to wheat and barley from the 2 leaf stage and before boot stage. Refer to Glean label for crop rotation and other restrictions.	This tank mix improves control of broadleaves such as henbit, tansy mustard and pigweed. Apply to weeds up to the 4 leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.		
BROCLEAN + Ally® + nonionic surfactant	34-11/2 pints/A + 1/10 oz/A + 1 qt/100 gal. of water	Apply to wheat and barley from the 2 leaf stage and before the boot stage. Refer to Ally label for crop rotation and other restrictions.	This tank mix improves control of broadleaves such as tansy mustard and pigweed. Apply to weeds up to the 4 leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.		

-			COMMENTO	U-	
PRODUCT	PPLICATION T	AND SPECIFIC (	WEEDS		
BROCLEAN	34-11/2 pints/A	Apply to wheat and	This tank mix improves		
+ Finesse®	+ 1/6-1/3 OZ/A	barley from the 2 leaf stage and before the	control of broadleaves such as tansy mustard,		
+	+	boot stage. Refer to	henbit, chickweed and		
nonionic surfactant	1 qt/100 gal. of water	Finesse label for crop rotation and other	pigweed. Apply to weeds up to the 4 leaf stage, 4		
	gun or rucer	restrictions.	inches in height or 2		
			inches in diameter, whichever comes first.		
BROCLEAN	34-11/2 pints/A		This tank mix improves		
+ Amber®	+ 0.28-0.56 oz/A	barley after the 3 leaf stage and before the	control of broadleaves such as tansy mustard,		
+	+	flag leaf is visible.	henbit, and pigweed.		
nonionic surfactant	0.25-0.5% v/v	Refer to the Amber label for crop rotation	Apply to weeds up to the 4 leaf stage, 4 inches in		
Sunaciant		and other restrictions.	height or 2 inches in		
			diameter, whichever		
BROCLEAN	1-11/2 pints/A	Winter wheat. Apply	comes first. This tank mix improves		
+	+	after crop is in the 2	control of broadleaf		
Express® +	<sup>1</sup> /6- <sup>1</sup> /3 OZ/A +	leaf stage and before the flag leaf is visible.	weeds such as redroot pigweed, tansy mustard		
nonionic	1 qt/100	Refer to Express	and suppression of		
surfactant	gal. of water	label for crop rotation and other restrictions.	Canada thistle. Apply to annual weeds up to the 4		
	34-11/2 pints/A	Spring wheat and barley.	leaf stage, 4 inches tall or		
	+ 1/6-1/3 oz/A	Apply after crop is in the 2 leaf stage and	across and to Canada thistle 4 to 8 inches tall		
	+	before the flag leaf is	with 2 to 6 inches of new		
	1 qt/100 gal. of water	visible. Refer to Express label for crop	growth.		
	gai. Or water	rotation and other			
BROCLEAN	34-11/2 pints/A	restrictions. Winter wheat. Apply	This tank mix improves		
+	+	after the 2 leaf stage	control of broadleaf		
Harmony® Extra +	<sup>3</sup> no-½ oz/A +	and before the 3rd node is detectable. Refer to	weeds such as henbit, chickweed and redroot		
nonionic	1 qt/100	the Harmony Extra	pigweed. Apply to weeds		
surfactant	gal. of water	label for crop rotation	up to 4 leaf stage, 4		
		and other restrictions.	inches in height or across whichever comes		
		Spring wheat and barley.	first.		
		Apply after the 2 leaf stage and before the 1st			
		node is detectable.			
		Refer to the Harmony Extra label for crop			
		rotation and other			
BROCLEAN	1-11/2 pints/A	restrictions. Apply to wheat and	This tank mix improves		
+	+	barley after the crop	control of kochia, wild		
Curtail® . or	2 pints/A	begins to tiller up to the 1st node detectable.	buckwheat and Canada thistle. Apply to annual		
Curtail M			broadleaf weeds up to		
			the 8 leaf stage up to 4 inches in height or 2		
			inches in diameter and		
	:		Canada thistle in the rosette to prebud stage.		
BROCLEAN	1-1¼ pints/A	Winter wheat in Idaho,	This tank mix improves		
+ metribuzin	+ 1/8-1/4 lb ai/A	Montana, Oregon and Washington. Apply in	control of broadleaves such as chickweed, fila-		
(Metribuzin 75)	10 14 10 4014	spring after growth has	ree, henbit and dog-		
		started and secondary roots with a minimum	fennel. Apply to weeds that do not exceed 2		
		of 3 to 4 tillers have	inches tall or rosettes of		
		been established and	2 inches in diameter.		
		before boot stage. Avoid application when	The higher use rates of both products should be		
		crop has experienced	used only in emergency		
		winter kill, frost darnage, disease or drought.	weed situations and if some minor crop injury is		
		Giocase or drought.	acceptable. A recognized		
			authority should be		
			consulted concerning the use of this mixture		
	1 pint/A	Mintor wheat and winter	in your area.		
BROCLEAN +	1 pint/A +	Winter wheat and winter barley in Idaho, Oregon	This tank mix improves control of broadleaves		
diuron	⁴/10 lb ai/A	and Washington, Use	such as henbit and		
		only in areas where annual rainfall exceeds	gromwell. Apply to weeds before they are 2 inches		
	ļ	16 inches. One fall	tall or 2 inches in		
		application after emer- gence and before soil	diameter.		
		freezes or in spring as			
	1	soon as soil thaws.	1		

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FORAGE, FIL	<b>ND SPECIALTY CROPS</b>				
ALFALFA (SEEDLING)					
BROCLEAN DIRECTIONS					
DI ICATION TIMIN	IG AND SPECIFIC COMMENTS				

EPA REG. NO. 34704-091			BROCLEAN DIRECTIONS				
	BROCLEAN TANK MIXTURE DIRECTIONS					MING AND SPECIFIC	
				PRODUCT	RATE	CROP	WEEDS
		IMING AND SPECIFIC		BROCLEAN	1-11/2 pints/A	In the states of Cali-	Apply 1 pint/A to MOST
PRODUCT	RATE	CROP	WEEDS			fornia, Washington,	SUSCEPTIBLE broad-
BROCLEAN	1 pint/A	Spring wheat. Apply	In addition to broadleaf			Oregon, Idaho, Montana,	leaf weeds and 11/2
+	+	when crop begins to	weeds controlled by			Wyoming, Colorado,	pints/A for SUSCEP-
Tiller®	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 Weed List)
		Refer to the Tiller label for complete use direc-	from the 2-leaf to 2-tiller stage of growth.			western halves of	when weeds do not
		tions and restrictions.	slage or growin.			North Dakota, South	exceed 4 leaf stage, 2
BROCLEAN	1 -2 pints/A	Spring Barley. After	This tank mix will provide			Dakota, Nebraska and	inches in height or 1 inch
BROCLEAN	r -z pinis/A	emergence and before	wild oat, green foxtail and			Kansas: Apply in the fall	in diameter, whichever
+ Hoelon®	2 <sup>2</sup> /3 pints/A	jointing. Avoid using this	annual ryegrass control			or spring to seedling	comes first. BROCLEAN
HUEIDII	2-/3 pinto/A	tank mixture on barley	in addition to broad-			alfalfa when the majority	will not adequately contro
		exposed to cold (lower	leaves. Apply to grasses			of the field has a	over-wintered penny-
		than 40 degrees F)	1-3 leaf stage and		1	minimum of 2 trifoliates.	cress, henbit and
		and/or prolonged wet	broadleaves no larger			Unacceptable crop	mustards.
		weather conditions as	than 4 leaf stage or			injury may occur to	
		crop injury may result.	rosettes of 1.5 inches in			alfalfa seedlings less	
	}	crop injury may result.	diameter.			than the 2 trifoliate stage. BROCLEAN	1
	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					80°F at and 3 days	
BROCLEAN	1-2 pints/A	Winter wheat and		,		following application can	
+	+	spring wheat. After				result in unacceptable	1
Hoelon	2-22/3 pints/A	emergence and before				crop injury. In the	
+	+	jointing. Use a				remaining states	
crop oil	1-2 pints/A	minimum of 10 gallons				apply in the fall or spring	
concentrate		of spray volume per				to seedling alfalfa when	
		acre.	-			the majority of the field	
		1				has a minimum of 4	1
		DO NOT USE ON				trifoliate leaves. When	
		BARLEY				alfalfa stand is uneven	
BROCLEAN	1-2 pints/A	Winter Wheat. Four	This tank mix will provide			and conditions favor	
+	+	leaf to tillering stage.	wild oat control in			leafburn, unacceptable	
Avenge™	21/2-4 pints/A	Refer to Avenge label	addition to broadleaves.			crop injury may occur	l
		for varietal and other	Apply to wild oats in the			to alfalfa in the 2 trifoliate	
		restrictions.	3-5 leaf stage and broad-			or smaller stage of	1
		Spring Wheat. Five to	leaves that do not			growth. If you are un-	
		6 leaf stage. Refer to	exceed the 4 leaf stage			sure of growth stage	
		Avenge label for varietal	or rosettes of 1.5 inches			conditions, contact	
		and other restrictions.	in diameter.			your local extension	
		Barley. Two to 7 leaf				service. BROCLEAN	
		stage.	Avenge use rates per			applications made when	
	{	( ·	acre are 2.5 pints (1-10			temperatures are expec-	
		1	oats per sq. ft.), 3 pints (11-25 oats per sq. ft.) or			ted to exceed 70°F at	1
			4 pints (more than 25		1-11/2 pints/A	and 3 days following	1
			a pinis (more than 25 oats per sq. ft.).			application can result in	
		1	valo per sy. n.j.			unacceptable crop injury.	
RESTRICTION	S AND PRECAU	TIONS: Small Grains (V	/heat, Barley, Oats, Ryé			Follow all other use	
and Triticale)						directions listed on the	
	treated fields with	nin 45 days following trea	tment.		Chaminat	BROCLEAN label.	Amely to MOOT OUCOTO
		under moisture stress.		BROCLEAN	Chemigation	Apply to seedling	Apply to MOST SUSCEP-
		y covers the weeds as p	oor weed control will		Only	alfalfa with a minimum	TIBLE broadleaf weeds
Do not apply	on orop carlop	,				of 2 trifoliate leaves.	up to the 8 leaf stage, 4

- result. Do not apply when underseeded alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application. .
- · Do not add a surfactant or crop oil when applying to underseeded alfalfa or
- Increased injury will occur. Do not cut for feed or graze spring treated underseeded alfalfa within 30 days .
- Do not cut for feed or graze spring treated underseeded aliala within 30 days following treatment. Do not cut for feed or graze fall or winter treated underseeded alfalfa until spring, at least 60 days following treatment. Reduced weed control may occur when weeds are stressed from lack of moisture ٠
- ٠ or cold temperatures.
- Refer to labels of products used in tank mixture of additional restrictions and • precautions. 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 ٠ Broclean/A).

1-1½ pints/A	applications made when temperatures are expec- ted to exceed 70°F at and 3 days following application can result in unacceptable crop injury. Follow all other use directions listed on the BROCLEAN label.	
Chemigation	Apply to seedling	Apply to MOST SUSCEP-
Only	alfalfa with a minimum	TIBLE broadleaf weeds
	of 2 trifoliate leaves.	up to the 8 leaf stage, 4
2 pints/A	Apply through auto-	inches in height or 2
	mated sprinkler irriga-	inches in diameter,
	tion systems with a	whichever comes first.
	mechanical transfer	Apply to SUSCEPTIBLE
	loading system only.	broadleaf weeds up to the
	See MIXING LOADING	4 leaf stage, 2 inches in
	AND HANDLING	height or 1 inch in diam-
	INSTRUCTIONS Sec-	eter, whichever comes
	tion for complete details.	first.
	BROCLEAN applica-	
	tions made when	
	temperatures are	
	expected to exceed 85°F at and 3 days	
	following application	
	can result in unaccep-	

table crop injury.

				PRODUCT	RATE	CROP	WEEDS
	EPA F	IEG. NO. 34704-8	91	BROCLEAN	1/2-3/4 pint/A	In all states except	BROCLEAN at 1/2 pint/A
				+	+ '	California, Washington,	tank mixed with Pursuit
PRODUCT	PPLICATION T	MING AND SPECIFIC C	WEEDS	Pursuit	3-6 oz./A	Oregon, Idaho, Mon-	will control common lambs-
BROCLEAN	1 pint/A	Apply in the fall or	This tank mix improves	+	+	tana, Wyoming,	quarters up to 2 inches
+		spring to seedling	control of pigweed (sp),	non-ionic surfactant	1 qt/100 gais.	Colorado, Utah, Nevada, Arizona, New	in height plus weeds list- ed on the Pursuit label.
BUTYRAC @ 200	1 quart/A	alfalfa when the	kochia, and tansy mus-	Sunacian		Mexico, and the wes-	BROCLEAN at 34 pint/A +
(2,4-DB)	1	majority of the field	tard. Apply when weeds			tern halves of North	Pursuit will control the
		has a minimum of 4	do not exceed the 4 leaf			Dakota, South Dakota,	MOST SUSCEPTIBLE
		trifoliate leaves. When	stage, 2 inches in height			Nebraska and Kansas:	annual broadleaf weeds
		alfalfa stand is uneven	or 1 inch in diameter,			Apply in the fall or	(See Weed List)
		and conditions favor	whichever comes first. BROCLEAN +		1	spring to seedling	when weeds do not
		leaf burn, unacceptable crop injury may occur	BUTYRAC 200 tank mix-			alfalfa when the	exceed the 4 leaf stage, 2
		to alfalfa in the 2 tri-	tures will not adequately			majority of the field has a minimum of 2	inches in height or 1 inch in diameter, whichever
		foliate or smaller stage	control over-wintered			trifoliate leaves.	comes first plus weeds
		of growth. If you are	pennycress, henbit and			When alfalfa stand is	listed on the Pursuit label.
	1	unsure of growth stage	mustards.			uneven and conditions	Applications should be
		conditions, contact				favor leafburn, unac-	made when the majority
		your local extension service. In the states			1	ceptable crop injury	of the weeds are 1-3 inch-
		of California, Wash-	1			may occur to alfalfa treated prior to the	es tall and when common lambsquarters do not
		ington, Oregon, Idaho,				2nd trifoliate stage of	exceed 4 inches in height.
	1	Montana, Wyoming,			1	growth. If you are un-	For low growing weeds
		Colorado, Utah, Nevada,				sure of growth stage	(such as mustards) apply
		Arizona, New Mexico,				conditions, contact	before the rosette
		and the western halves of North Dakota, South			1	your local extension	exceeds 3 inches in diam-
		Dakota, Nebraska and				service. BROCLEAN + Pursuit applications	eter. Refer to the Pursuit label for a list of suscepti-
	}	Kansas, BROCLEAN	1			made when temper-	ble weeds at each of the
		applications made				atures are expected	recommended rates.
		when temperatures are				to exceed 70° F at	
		expected to exceed				and 3 days following	
		80°F at and 3 days following application				applications can result	
	1	can result in unaccep-	}		1	in unacceptable crop injury.	
		table crop injury. In the				<u>, milary.</u>	
ļ	1	remaining states				FIONS: Alfalfa (Seedlin	
		BROCLEAN applica-					on. Warm, humid conditions cted. Alfalfa yield should not
		tion made when temp- eratures are expected					se compared to a weedy field
	1	to exceed 70°F at and		due to weed rei			
		3 days following app-					, insect or disease stress or
	l.	lication can result in				icide carryover or applica	ation. e use directions because
		unacceptable crop			a injury will occur		use directions because
	ļ	injury. Rainfall or over head irrigation within		<ul> <li>Do not cut for fer</li> </ul>	ed or graze spring	treated alfalfa within 30 c	
		7-10 days following a				or winter treated alfalfa u	ntil spring, at least 60 days
		BUTYRAC <sup>®</sup> applica-		following treatm • The total cumula		EAN may not exceed 0	5 lb ai bromoxynil/A (2 pints
		tion can cause unac-		Broclean/A).			
BROCLEAN	34 - 1 pint/A	ceptable crop injury. In the states of Cali-	This tank mix will control				af burn from postemergence
+	+	fornia, Washington,	MOST SUSCEPTIBLE				or to using BROCLEAN.
Pursuit®	3-6 ounces/A	Oregon, Idaho, Mon-	broadleaf weeds (See		nk mixture is use	itions on the tank mixture	e product label when a
+	+	tana, Wyoming, Col-	Weed List) when				p leaf burn especially under
non-ionic	1 qt/100 gals.	orado, Utah, Nevada,	weeds do not exceed	warm, humid w	eather conditions		, <u>-</u>
surfactant		Arizona, New Mexico, and the western halves	the 4 leaf stage, 2 inches in height or 1			ed to seedling alfalfa that	
	1	of North Dakota, South	inch in diameter, which				arley, oats, rye and triticale. YE, TRITICALE, WHEAT
		Dakota, Nebraska and	ever comes first; and	SECTION.	restrictions unde	I THE DAMEL I, OATO, IN	TE, MINOALE, WIEAI
		Kansas: Apply in the	other grass and broad-		nead irrigation wi	thin 7-10 days following I	BUTYRAC 200 application
	1	fall or spring to seed-	leaf weeds listed on the	can cause unac	ceptable crop inj	ury.	
		ling alfalfa when the majority of the field has	Pursuit label. Weeds should be 1-3 inches tail		FI AX (	Linium usitatissium on	ltv)
	]	a minimum of 2	for optimum control.			OCLEAN DIRECTIONS	
		trifoliate leaves.				MING AND SPECIFIC	
		When alfalfa stand is		PRODUCT	RATE	CROP	WEEDS
		uneven and conditions		BROCLEAN	1 pint/A	Apply to flax that is 2 to 8 inches in height.	Apply to MOST SUSCEP- TIBLE weeds that do not
	ļ	favor leafburn, unaccep-	Į			Do not apply BBO-	
		table crop injury may				Do not apply BRO- CLEAN to flax during	exceed the 4 leaf stage, 2 inches in height or 1 inch
							inches in height or 1 inch in diameter, whichever
		table crop injury may occur to alfalfa treated				CLEAN to flax during	inches in height or 1 inch
		table crop injury may occur to alfalfa treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth				CLEAN to flax during or after the bud stage.	inches in height or 1 inch in diameter, whichever comes first.
		table crop injury may occur to alfalfa treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth stage conditions,				CLEAN to flax during or after the bud stage.	inches in height or 1 inch in diameter, whichever comes first.
		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			APPLICATION T	CLEAN to flax during or after the bud stage. TANK MIXTURE DIRECTION	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS
		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.		PRODUCT BROCLEAN		CLEAN to flax during or after the bud stage.	inches in height or 1 inch in diameter, whichever comes first.
		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. BROCLEAN + Pursuit		PRODUCT	APPLICATION T RATE	CLEAN to flax during or after the bud stage. TANK MIXTURE DIRECTION	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS WEEDS
		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.		PRODUCT	APPLICATION T RATE 1 pint/A	CLEAN to flax during or after the bud stage.	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS WEDS This tank mix will control broadleaf weeds plus grassy weeds listed on
		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		PRODUCT BROCLEAN + Poast +	APPLICATION T RATE 1 pint/A + 1-1½ pints/A +	CLEAN to flax during or after the bud stage. TANK MIXTURE DIREC 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	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS WEEDS This tank mix will control broadleaf weeds plus grassy weeds listed on the Poast label. Apply to
		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. BROCLEAN + Pursuit applications made when temperatures are expected to exceed 80° F at and 3 days		PRODUCT BROCLEAN + Poast + Crop oil	APPLICATION T RATE 1 pint/A + 1-1½ pints/A + 2 pints/A	CLEAN to flax during or after the bud stage. ITANK MIXTURE DIRE( MING 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,	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS WEEDS This tank mix will control broadleaf weeds plus grassy weeds listed on the Poast label. Apply to MOST SUSCEPTIBLE
		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. BROCLEAN + Pursuit applications made when temperatures are expected to exceed 80° F at and 3 days following application		PRODUCT BROCLEAN + Poast + Crop oil Concentrate or	APPLICATION T RATE 1 pint/A + 1-1½ pints/A + 2 pints/A or	CLEAN to flax during or after the bud stage.	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS WEEDS This tank mix will control broadleaf weeds plus grassy weeds listed on the Poast label. Apply to MOST SUSCEPTIBLE broadleaf weeds (see list
		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-		PRODUCT BROCLEAN + Poast + Crop oil	APPLICATION T RATE 1 pint/A + 1-1½ pints/A + 2 pints/A	CLEAN to flax during or after the bud stage. ITANK MIXTURE DIRE( MING 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,	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS WEEDS This tank mix will control broadleaf weeds plus grassy weeds listed on the Poast label. Apply to MOST SUSCEPTIBLE
		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. BROCLEAN + Pursuit applications made when temperatures are expected to exceed 80° F at and 3 days following application		PRODUCT BROCLEAN + Poast + Crop oil Concentrate or	APPLICATION T RATE 1 pint/A + 1-1½ pints/A + 2 pints/A or	CLEAN to flax during or after the bud stage.	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS WEEDS This tank mix will control broadleaf weeds plus grassy weeds listed on the Poast label. Apply to MOST SUSCEPTIBLE broadleaf weeds (see list on the BROCLEAN label)
		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-		PRODUCT BROCLEAN + Poast + Crop oil Concentrate or	APPLICATION T RATE 1 pint/A + 1-1½ pints/A + 2 pints/A or	CLEAN to flax during or after the bud stage.	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS WEEDS This tank mix will control broadleaf weeds plus grassy weeds listed on the Poast label. Apply to MOST SUSCEPTIBLE broadleaf weeds (see list on the BROCLEAN label) that do not exceed the 4 leaf stage, 2 inches in height or 1 inch in dia-
		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-		PRODUCT BROCLEAN + Poast + Crop oil Concentrate or	APPLICATION T RATE 1 pint/A + 1-1½ pints/A + 2 pints/A or	CLEAN to flax during or after the bud stage.	inches in height or 1 inch in diameter, whichever comes first. CTIONS COMMENTS WEEDS This tank mix will control broadleaf weeds plus grassy weeds listed on the Poast label. Apply to MOST SUSCEPTIBLE broadleaf weeds (see list on the BROCLEAN label) that do not exceed the 4 leaf stage, 2 inches in

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AND SPECIFIC COMMENTS

APPLICATION T

## EPA REG. NO. 34704-891

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

#### GARLIC BROCLEAN DIRECTIONS APPLICATION TIMING AND SPECIFIC COMMENTS

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

PRECAUTIONS AND RESTRICTIONS: Garlic

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

- BROCLEAN can be applied through automated sprinkler irrigation application.
- Do not harvest within 112 days following treatment (except garlic grown in muck soils in Northeastern United States).

MINT ESTABLISHED PEPPERMINT AND SPEARMINT ONLY

Maximum 0.5 lb ai/A per season.

BROCLEAN DIRECTIONS 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.		RESTRIC • The sens		

#### 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®
   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.

## OL J (DRY BULB) BROCLEAN DIRECTIONS

			IMING AND SPECIFIC C	
ly)	PRODUCT	RATE	CROP	WEEDS
iy) oliowing	BROCLEAN	Preemergence	Preemergence use	Apply BROCLEAN at 1
ollowing		1-1 1/2 pints/A	restricted to onions	pint/A to control MOST
flav aroun			(dry bulb) east of the	SUSCEPTIBLE weeds
o flax grown			Mississippi River only	and 11/2 pints/A for SUS-
			on muck soils containing	
			greater than 10%	should not exceed the 4
centrate,			organic matter. Apply	leaf stage, 2 inches in
			at least 3 to 4 days	height or 1 inch in dia-
			prior to emergence.	meter, whichever comes
hen using this			Rainfall or irrigation	first.
			within 2 days following	
			preemergence	
	•		applications or 3 days	
			prior to crop emergence	
			may result in unaccep-	
			table crop injury.	
<u> </u>			Preemergence	
			applications can be	
T SUSCEP-			applied using either	Į
JSCEPTI-			ground or aerial	
f weeds up			equipment.	
tage, 2 inch		Postemergence	Apply only to onions	
r.1 inch in		1-11/2 pints/A	(dry bulb) which have	
hever			2 to 5 true leaves.	
			Use at least 50-70	
			gallons of water per	
			acre and apply by	
			ground equipment or	
			chemigation only.	
cation.			Water volume is	
in muck			important - CONCEN-	
			TRATED SPRAYS	
			KILL ONIONS.	
			Thorough and uniform	
			coverage is necessary	
			for good weed control.	
			Ū	
			In onion-producing	
			areas, certain environ-	
T SUS-			mental conditions	
nd SUS-			reduce development of	
eeds that do			waxy coating on the	
e 4 leaf			onion leaves, thus	
s in height			increasing the pos-	
ameter,			sibility of injury. Dry	
nes first.			soil, dry onion foliage,	
			high light intensity, low	
			humidity, and high	
			temperatures tend to	
			increase the waxy	
			coating on onion leaves	
			and thus reducing	
			chances for injury. It is	
			essential that the soil	
			and onion foliage be	
			dry at the time of	
			application. Humidity	
			should be low and dew	
			should be off the plants.	L

#### RESTRICTIONS AND PRECAUTIONS: Onions (dry bulb)

- 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.

### GRASS CROPS CONSERVATION RESERVE PROGRAM (CRP) AREAS

BROCLEAN DIRECTIONS					
	APPLICATION	TIMING AND SPECIFIC	C COMMENTS		
PRODUCT	RATE	CROP	WEEDS		
BROCLEAN	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 alfalfa 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 AND HANDLING INSTRUCTIONS section for complete details.			

#### BROCHEAN TANK MIXTURE DIRECTIONS

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 planted	This tank mix improves control of mustards, pig- weed, and kochia. Apply up to the 4 leaf stage, 2 inches in height or 1 inch 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 DIRECTIONS** Seedling and Established Grasses APPLICATION TIMING AND SPECIFIC COMMENTS

RATE	RATE	CROP	WEEDS
Per	Per 1000		
ACRE	SQ.FT.		
1 to 2 pints	0.375 to	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 and Zoysiagrass. BROCLEAN may also be used on seedling grasses such as Merion, Park, Delta, or common Kentucky Bluegrasses, Pennlawn, Chewings, Illahee or Alta Fescues, Orchardgrass, Highland, Seaside or Astoria Bent- grasses, perennial Rye- grasses, Bahlagrass	Refer to the 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 ACRE 1 to 2	RATE         RATE           Per         Per 1000           ACRE         SQ.FT.           1 to 2         0.375 to	Per ACRE         Per 1000 SQ.FT.           1 to 2 pints         0.375 to 0.375 to 0.75 fl. oz.         Apply to established grasses for seed or sod production before the boot stage. Established grasses tolerant to BROCLEAN include bentgrasses, Kentucky Bluegrass, Fescues, Ryegrass, 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 Atta Fescues, Orchardgrass, Highland, Seaside or Astoria Bent- grasses, perennial Rye-

		CATION TI		
Product	RATE Per	RATE Per 1000	СНОР	WEEDS
	ACRE	SQ.FT.		
BROCLEAN	Chemi-	0.75 fl.	Apply to established	
conťd.:	gation	oz.	and newly seeded	
	2 pints		grasses grown for seed	
	only		or sod production before	
		]	the boot stage. Apply	
			through automated	
1		Į	sprinkler irrigation	
		1	systems with mechanical	
			transfer loading system	
			only. See MIXING,	
		ļ	LOADING AND	
			HANDLING INSTRUC-	
		1	TIONS section for	
			complete details. Refer	
· · ·			to the list of established	
			grasses that are tolerant	
			to BROCLEAN.	

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 DIRECTIONS** Seedling and Established Non-Residential Turfgrass APPLICATION TIMING AND SPECIFIC COMMENTS

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

Product	RATE Per ACRE	RATE Per 1000 SQ.FT.	CROP	WEEDS
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, Resruuda- grass, St. Augustine- grass and Zoysiagrass. BROCLEAN may also be used on seedling grasses such as Merion, Park, Delta, or com- mon Kentucky Blue- grasses, Pennlawn, Chewings, Illahee or Alta Fescues, Orchard- grasses, Bennlawn, Chevings, Illahee or Alta Fescues, Orchard- grasses, Bahiagrass and Zoysiagrass.	Refer to the 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.

#### NON-RESIDENTIAL TURFGRASS BROCLEAN TANK MIXTURE DIRECTIONS Established Non-Residential Turfgrass

APPLICATION TIMING AND SPECIFIC COMMENTS				
RATE	RATE		CROP	WEEDS
Product	Per	Per 1000		•
BROCLEAN	2 Pints	SQ.FT. 0.75	Apply to established	All weed species previ-
+ Weedone DPC Ester	+ 3 to 4 Pints	1.125 to 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.	All weak spectra by the weak spectra by the spectra by the following species: Dandelion ( <i>Taraxacum officinale</i> ) Plantains ( <i>Plantago spp.</i> ) Ground lvy ( <i>Glechorna hederacea</i> ) Red Clover ( <i>Trifolium pratense</i> ) White Clover ( <i>Trifolium repens</i> )
				Hop Clover ( <i>Trifolium</i> agrarium) Common Chickweed ( <i>Stellaria media</i> ) Prostrate Spurge ( <i>Euphorbia supina</i> ) Oxalis ( <i>Oxalis europaea</i> ) Knotweed ( <i>Polygonum</i> 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).
BROCLEAN + MCPP	2 Pints + 1.0 lb ai	0.75 fl. 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 Weed List for BROCLEAN plus the following species: Red Clover ( <i>Trifolium</i> <i>pratense</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, or 1 inch in diameter).
BROCLEAN + Dicamba	2 Pints + 0.125 to 0.25 lb ai	0.75 fl. oz. + 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 Weed List for BROCLEAN and 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> ) Pepperweed ( <i>Lepidium</i> spp.) 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).

	•	(		*
Product	RATE Per ACRE	RATE Per 1000 SQ.FT.	uP	WEEDS
BROCLEAN + MCPP + Dicamba	2 Pints + 0.5 to 1.0 lb ai + 0.125 to 0.25 lb ai	+ 0.0125 to 0.025 lb ai + 0.003 to	mended for use on St. Augustinegrass or	All weed species previ- ously listed in the 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,
BROCLEAN + MCPP + 2,4-D	+ 0.5 to 1.0 Ib 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.	or 1 inch in diameter). All weed species previ- ously listed in the Weed List for BROCLEAN and BROCLEAN/2,4-D tank mixtures plus the following species: Dandelion ( <i>Taraxacum</i> officinale) Plantains ( <i>Plantago</i> spp.) Red Sorrel ( <i>Rumex</i> <i>acelosella</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 Directions Non-residential** • BROCLEAN/WEEDONE DPC tankmixes are not allowed in California.

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

application equipment.

• Maximum 0.5 lb ai/A per season.

#### NON-CROPLAND NON-CROPLAND AND INDUSTRIAL SITES **BROCLEAN DIRECTIONS** APPLICATION TIMING AND SPECIFIC COMMENTS

Product	RATE Per ACRE	RATE Per 1000 SQ.FT.	CROP	WEEDS
BROCLEAN		0.375 to	Apply to non-cropland and industrial sites when weeds have emerged and are actively growing.	Refer to the 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 must be disposed of on site or at an approved waste disposal facility.

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

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#### 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 1/4 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 con tainer 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. Turn the container over onto its other 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 refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 reason-ably 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 PAR-TICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICU-LAR TRADE USAGE.

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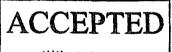
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## JUN 2 9 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. <u>34704-89</u>