42750-48 C 02-12-2009 C 1/39

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

FEB 12 2009

Mr. Morris Gaskins
Albaugh, Inc.
P.O. Box 2127
Valdosta, GA 31604-2127

Subject: Brox 2EC
EPA Registration Number 42750-48
Your submission dated November 14, 2008

Dear Mr. Gaskins:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable, provided you make the following changes before you release the product for shipment:

- Make all of the changes specified in the attached document "Summary of Comments on ALBAUGH".

This amended labeling supersedes all previously accepted labeling with the exception of supplemental labeling. A stamped copy of labeling is enclosed for your records.

Submit one copy of final printed labeling incorporating the above changes before you release the product for shipment. Please include an electronic label in pdf text format of the final printed labeling with your submission. If you have any questions about this letter, you may contact Tobi Colvin-Snyder at 703-305-7801 or Colvin-Snyder.Tobi@epa.gov.

Sincerely,

Jim Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505P)

Summary of Comments on ALBAUGH

Page: 1

Author: tsnyder
Subject: Note
Date: 1/14/2009 1:30:46 PM
Add text at blue edit marks (3 in this section).

Author: tsnyder
Subject: Inserted Text
Date: 1/14/2009 1:30:27 PM
Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Author: tsnyder
Subject: Replacement Text
Date: 1/14/2009 1:23:06 PM
Do not get in eyes or on clothing.

Author: tsnyder
Subject: Inserted Text
Date: 1/14/2009 1:23:20 PM
Causes substantial but temporary eye injury.

Page: 2

Author: tsnyder
Subject: Note
Date: 2/11/2009 4:15:36 PM
Add text at blue edit mark.

Author: tsnyder
Subject: Inserted Text
Date: 2/11/2009 4:15:19 PM
playgrounds

Author: tsnyder
Subject: Note
Date: 2/11/2009 4:14:24 PM
Add text at blue edit mark.

Author: tsnyder
Subject: Inserted Text
Date: 2/11/2009 4:13:54 PM
cleaning equipment or

Page: 35

Author: tsnyder
Subject: Note
Date: 1/15/2009 9:57:44 AM
Add text at blue edit mark.

Author: tsnyder
Subject: Inserted Text
Date: 1/15/2009 9:57:25 AM
per year

5
39

BROX™ 2EC HERBICIDE

FOR THE CONTROL OF CERTAIN BROADLEAF WEEDS IN CORN (FIELD AND POP), SORGHUM (GRAIN AND FORAGE), WHEAT, BARLEY, RYE, OATS, TRITICALE, 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%
TOTAL: 100.0%

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

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

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

FIRST AID	
IF SWALLOWED:	• Immediately call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
IF ON SKIN:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Contains petroleum distillates.	

EPA Reg. No. 42750-48 EPA Est. No. 42750-MO-1

NET CONTENTS:

Manufactured by:
ALBAUGH, INC.
Ankeny, Iowa 50021

FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE, CALL CHEMTREC (800) 424-9300

PRECAUTIONARY STATEMENTS

WARNING
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, or absorbed through skin or inhaled. ~~Avoid contact with skin, eyes or clothing.~~ Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT

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.

ACCEPTED
with COMMENTS
In EPA Letter Dated
FEB 12 2009
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 42750-48

Applicators and other handlers must wear coveralls over Long-sleeved shirt and long pants, chemical resistant gloves such as barrier laminate or viton gloves, chemical resistant footwear plus socks, protective eyewear, chemical resistant apron for cleaning equipment, mixing, and loading, chemical resistant headgear for overhead exposure.

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 exist, 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 rinsates 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.)

Do not apply with backpack or hand-held application equipment.
Apply to non-residential turf only. Do not apply to residential, playground, or schoolyard turf.

USER SAFETY RECOMMENDATIONS

User should Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. User should remove clothing immediately if pesticide gets inside. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and fish. Use with care when applying to areas frequented by wildlife or adjacent to any body of water. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of 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 interval. 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 crops during the restricted entry interval (REI). For all crops except turf, the REI is 24 hours. The REI for harvesting sod farm turf is 12 days. The REI for other turf activities is 24 hours. For uses on turf grown for transplanting (e.g. on sod farms), notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

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

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to the use of this product on non-residential turfgrass and non-cropland and industrial sites that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not allow others to enter the treated area until sprays have dried.

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 3° F. If allowed to freeze, remix before using.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Non-refillable containers (1, 2.5, 30 & 55 gallon): Do not reuse or refill this container. Offer for reconditioning, if appropriate. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.
(non-refillable <5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.
(non-refillable >5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.
Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use for 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.
Refillable container (250 gallon & bulk): 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 the 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 rinseate into application equipment or rinsate collection system. Repeat this rinsing process two more times.

GENERAL INFORMATION

BROX™ 2EC is formulated as a emulsifiable concentrate of octanoic acid ester of bromoxynil containing the equivalent of 2 pounds of bromoxynil per gallon.

BROX™ 2EC is a selective postemergence herbicide for control of important broadleaf weeds infesting corn (field and pop), sorghum (grain and forage), wheat, barley, oats, rye, triticale, alfalfa (seedling), flax, onions, garlic, mint (established peppermint and spearmint), Conservation Reserve Program (CRP) areas, grasses grown for seed or sod production, non-residential turfgrass, and non-cropland and industrial sites. Optimum weed control is obtained when BROX™ 2EC is applied to actively growing weed seedlings. BROX™ 2EC is primarily a contact herbicide, therefore thorough coverage of the weed seedlings is essential for optimum control.

BROX™ 2EC 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 BROX™ 2EC is not systemic, recovery of the crop is generally rapid with no lasting effect. Frequency and amount of leaf burn may be greater when crops are stressed by abrasive winds, cool to cold evening temperatures or mechanical injury, such as that caused by hail, sleet or insect feeding. To reduce the potential for temporary leaf burn, applications should be made to dry foliage in the recommended spray volumes per acre when weather conditions are not extreme.

MIXING, LOADING AND HANDLING INSTRUCTIONS

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

30 Gallon and Bulk Containers:
If you will handle a total of 60 gallons or more of this product per day, you must use a mechanical transfer system for all mixing and loading operations. If this product is packaged in a 30 gallon drum, you must use a mechanical transfer system which terminates in a drip-free hard coupling which may be used only with a spray or mix tank which had 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.

BROX™ 2EC ALONE: Fill the spray tank 1/2 to 3/4 full with clean water. Begin agitation and add the specified amount of BROX™ 2EC. Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application.

TANK MIXTURES: BROX™ 2EC can be applied in tank mixture with other pesticide products registered for use on approved crops provided that these other products are registered for use on the crop/use site to be treated. The tank mix must be used in accordance

with the more restrictive pesticide label limitations and precautions. No label dosage rates may be exceeded. BROX 2EC cannot be mixed with any product containing a label prohibition

against such mixing. Refer to the specific crop section for rate recommendations and other restrictions. To apply BROX™ 2EC in mixture with another product, fill the spray tank 1/2 to 3/4 full with clean water and begin agitation. If tank mixing 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 BROX™ 2EC and add water to the spray tank to the desired level. If tank mixing with other product types, add the BROX™ 2EC 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 BROX™ 2EC:
The following foliar insecticides are compatible with BROX™ 2EC as tank mixtures:

INSECTICIDE COMMON NAME	TRADE NAME	FORMULATION
Acephate	Orthene®	Soluble Powder
Amitraz	Ovasyn®	Emulsifiable Concentrate
Carbaryl	Sevin®	Sprayable Wettable Powder or Flowable
Carbofuran	Furadan®	Flowable
Chlorpyrifos	Lorsban®	Emulsifiable Concentrate
Cyfluthrin	Baythroid®	Emulsifiable Concentrate
Deltamethrin	Decis®	Emulsifiable Concentrate
Demeton	Systox®	Emulsifiable Concentrate
Diazinon	Various	Emulsifiable Concentrate
Dicrotophos	Bidrin®	Emulsifiable Concentrate
Dimethoate	Various	Emulsifiable Concentrate
Esfenvalerate	Asana XL®	Emulsifiable Concentrate
Fenvalerate	Pydrin®	Emulsifiable Concentrate
Imidacloprid	Provado®	Flowable
Lambda-Cyhalothrin	Karate®	Emulsifiable Concentrate
Malathion	Various	Emulsifiable Concentrate
Methomyl	Lannate®	Liquid
Methyl Parathion	Methyl Parathion®	Emulsifiable Concentrate
Methyl Parathion	Penncap-M®	Flowable
Oxamyl	Vydate®	Liquid
Oxydemeton-methyl	Metasystox-R®	Sprayable Concentrate
Permethrin	Pounce®	Emulsifiable Concentrate
Thiodicarb	Larvin®	Flowable
Trichlorfon	Dylox®	Soluble Powder
Zeta-Cypermethrin	Fury®	Emulsifiable Concentrate

HERBICIDE COMMON NAME	TRADE NAME	FORMULATION
MSMA	MSMA®	
Prometryn	Caparol®	Liquid
Pyrithiobac-Sodium	Staple®	Soluble Powder

PLANT GROWTH REGULATORS COMMON NAME	TRADE NAME	FORMULATION
Mepiquat Chloride	Pix®	Liquid Concentrate
Mepiquat Chloride	MEP®	Liquid Concentrate
Mepiquat Chloride + Bacillus cereus	Mep Plus®	Liquid Concentrate

If tank mixing with products other than those 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 BROX™ 2EC.

SPRAYABLE LIQUID FERTILIZERS AND SPRAY ADDITIVES:
BROX™ 2EC can be applied in combination with sprayable liquid fertilizer or spray additives such as surfactants or crop oil concentrate. When tank mixing with liquid fertilizer, always add the fertilizer to the spray tank first and agitate thoroughly before adding BROX™ 2EC. 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 BROX™ 2EC is evenly mixed with the fertilizer. Leaf burn may occur when BROX™ 2EC is applied with liquid fertilizer, but new leaves are not adversely affected.
NOTE: Fertilizers and spray additives can increase foliage leaf burn when applied with BROX™ 2EC. Do not apply fertilizers or spray additives with BROX™ 2EC if leaf burn is a major concern due to environmental conditions, crop or variety sensitivity to BROX™ 2EC. Do not apply BROX™ 2EC in combination with fertilizers or spray additives if restricted under the individual crop use directions.

APPLICATION PROCEDURES

BROX™ 2EC can be applied to registered use areas by ground, aerial and sprinkler irrigation equipment. The following provides permitted methods of application for each crop.

CROP	TYPE OF APPLICATION EQUIPMENT		
	GROUND	AERIAL	SPRINKLER IRRIGATION
Corn (field & pop)	x	x	x
Sorghum (grain & forage), and Sudangrass	x	x	x
Wheat, Barley, Rye, Oats, and Triticale	x	x	x
Alfalfa (seedling)	x	x	x
Flax	x	x	
Garlic	x	x	x
Mint	x		x
Onions (dry bulb)	x	x*	x
Grass grown for seed or sod production	x	x	x
Conservation Reserve Program (CRP) Areas	x	x	x
Non-residential turfgrass	x	x	–
Non-cropland/Industrial sites	x	x	--

(x) indicates allowed method of application.
* Preemergence only

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 30 psi at the nozzle tips are recommended. Other nozzle types that produce course spray droplets may not provide adequate coverage of the weeds to ensure optimum control. Raindrop® nozzles are not recommended as weed control with BROX™ 2EC may be reduced.

In general, a minimum spray volume of 10 gallons per acre (GPA) is recommended for optimum spray coverage. A minimum of 5 GPA with a minimum spray pressure of 50 psi 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 ground speed of 10 mph is suggested if field conditions cause excessive boom movement during application and subsequent 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 size of 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.

SPRINKLER IRRIGATION APPLICATION

BROX™ 2EC can be applied through sprinkler irrigation systems to wheat, barley, oats, rye, triticale, field corn, popcorn, grain sorghum, mint, grasses grown for seed or sod production, onions (dry bulb), garlic, and seedling alfalfa.

Apply BROX™ 2EC 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

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Agitation is recommended in the pesticide supply tank when applying BROX™ 2EC.
9. BROX™ 2EC should be applied continuously for the duration of the water application with center pivot and continuous lateral move systems. Applications of BROX™ 2EC 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 BROX™ 2EC is diluted in the supply tank, fill the tank with half of the water amount desired, add BROX™ 2EC and then add remaining water amount with agitation. Always dilute with at least 4 parts water to 1 part BROX™ 2EC.
13. Start the sprinklers and then inject BROX™ 2EC into the irrigation line. BROX™ 2EC 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 appropriate sections of this 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 BROX™ 2EC applications may place target weeds under stress, resulting in erratic weed control. Whenever BROX™ 2EC 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.

SPRAY DRIFT

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

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed ¾ the length of the wingspan or rotor.
2. Nozzles must always point backwards parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they must be observed. The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

INFORMATION ON 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 Inversions).

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 – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. 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 parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from 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 the largest droplets and the lowest drift.

BOOM LENGTH
For some use patterns, reducing the effective boom length to less than ¾ of the wingspan or rotor length may further reduce drift without reducing swath width.

APPLICATION HEIGHT
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 crosswind, 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 spray 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
Applications 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 concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

GENERAL WEED LIST

Postemergence application of BROX™ 2EC will control the following weeds when sprayed in the seedling stage. Maximum weed stage of growth is listed under USES for each crop.

MOST SUSCEPTIBLE BROADLEAF WEEDS		SUSCEPTIBLE BROADLEAF WEEDS	
Annual Sowthistle	*Sonchus oleraceus*	Buffalobur	*Solanum rostratum*
Black Nightshade	*Solanum nigrum*	Burcucumber	*Sicyos angulatus*
Blue Mustard	*Chorispora tenella*	Cluster Flower	*Flaveria trinervia*
Bristly Starbur	*Acanthospermum hispidum*	Common Groundsel	*Senecio vulgaris*
Coast Fiddleneck	*Amsinckia intermedia*	Common ragweed	*Ambrosia artemisiifolia*
Common Cocklebur	*Xanthium strumarium*	Corn Chamomile	*Anthemis arvensis*
Common Lambsquarters	*Chenopodium album*	Corn Gromwell	*Lithospermum arvense*
Common Tarweed	*Hemizonia congesta*	Cow Cockle	*Saponaria vaccaria*
Cutleaf Nightshade	*Solanum triflorum*	Devils claw	*Proboscidea louisianica*
Eastern Black Nightshade	*Solanum ptycanthum*	Giant Ragweed	*Ambrosia trifida*
Field Pennycress	*Thlaspi arvense*	Hemp Sesbania	*Sesbania exaltata*
Green Smartweed	*Polygonum scabrum*	Hophornbean Copperleaf	*Acalypha ostryaefolia*
Hairy Nightshade	*Solanum sarachoides*	Ivyleaf Morningglory	*Ipomoea hederacea*
Jimsonweed	*Datura stramonium*	Knawel	*Scleranthus annus*
Ladysthumb	*Polygonum persicaria*	[2]Kochia	*Kochia scoparia*
Pennsylvania Smartweed	*Polygonum pensylvanicum*	London Rocket	*Sisymbrium irio*
Pepperweed spp.	*(annual) (Lepidium spp.)*	Mayweed	*Anthemis cotula*
Shepherdspurse	*Capsella bursa-pastoris*	Pitted Morningglory	*Ipomoea lacunosa*
Silverleaf Nightshade	*Solanum elaeagnifolium*	Prairie Sunflower	*Helianthus petiolaris*
Tartary Buckwheat	*Fagopyrum tatoricum*	Prostrate Knotweed	*Polygonum aviculare*
[1]Sunflower	*Helianthus annus*	Puncturevine	*Tribulus terrestris*
Wild Buckwheat	*Polygonum convolvulus*	[2]Redroot Pigweed	*Amaranthus retroflexus*
		Russian Thistle	*Salsola kali*
		[2]Spiny Pigweed	*Amaranthus spinosus*
[1]For control of sunflower, delay application until first emerging seedlings are 4 inches in height.		Tall Morningglory	*Ipomoea Purpurea*
		[2]Tall Waterhemp	*Amaranthus tuberculatus*
		Tumble Mustard	*Sisymbrium altissimum*
		Velvetleaf	*Abutilon theophrasti*
		Venice Mallow	*Hibiscus trionum*
		Wild Mustard	*Sinapis arvensis*
		Wild Radish	*Raphanus raphanistrum*
		Wooly Croton	*Croton capitatus*
		Yellow Starthistle	*Centaurea solstitialis*

[2]For effective control, these weeds should not exceed the 4-leaf stage or 2 inches in height, whichever comes first.

WEED SUPPRESSION
BROX™ 2EC 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, triticale), flax, corn (post emergence application only), sorghum (post emergence application only), mint, onions, garlic, chemigation in seedling alfalfa, onions and garlic; 2,4-D and MCPA tank mixtures in small grains 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 INSTRUCTIONS

CEREAL GRAIN CROPS

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

FORAGE, FIBER AND SPECIALTY CROPS

Alfalfa (Seedling)
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

Non-cropland and Industrial Sites

CEREAL GRAIN CROPS

CORN (FIELD AND POP), SORGHUM (GRAIN AND FORAGE), AND SUDANGRASS

HERBICIDE INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC	Preemergence 1 - 1 1/2 pints/A	Apply to corn or sorghum before planting until just prior to crop emergence.	See CORN AND SORGHUM APPLICATION RATE TABLE—BROX™ 2EC for list of weeds and corresponding stages of growth that are controlled by BROX™ 2EC at specified rates of application. For control of additional weeds not listed in the rate table see the GENERAL WEED LIST.
	1 pint/A	Apply to corn after emergence but prior to tassel emergence. Apply to sorghum and sudangrass between the 3 leaf stage but prior to the preboot stage (growth stage 4).	
	1 - 1/2 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 but prior to the preboot stage (growth stage 4).	
	2 pints/A	Apply to field corn only between the 4 leaf stage but prior to tassel emergence. DO NOT APPLY THE 2 PINTS/A RATE OF BROX™ 2EC 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 BROX™ 2EC + atrazine tank mixtures cannot be used.
	Chemigation 2 pints/A only	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 section for complete details.	Apply to MOST SUSCEPTIBLE 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 unacceptable.

CORN AND SORGHUM APPLICATION RATE TABLE—BROX™ 2EC

WEED SPECIES[1] (When determining leaf stage, count all leaves except cotyledonary leaves)		1 Pint/A		1 1/2 to 2 Pints/A[4]	
		Max. Leaf Stage	Max. Weed Height (inches)	Max. Leaf Stage	Max. Weed Height (inches)
Black Nightshade	*Solanum nigrum*	6	6	6	6
Buffalobur	*Solanum rostratum*	4	2	6	4
Burcucumber	*Sicyos angulatus*	-	-	4	4
Common Cocklebur	*Xanthium strumarium*	6	8	8	10
Common Lambsquarters	*Chenopodium album*	-	6	-	8
Common Ragweed	*Ambrosia artemisiifolia*	6	4	8	6
Eastern Black Nightshade	*Solanum ptycanthum*	6	6	6	6
Giant Ragweed	*Ambrosia trifida*	6	4	6	6
Hemp Sesbania	*Sesbania exaltata*	-	-	4	4
Ivyleaf Morningglory	*Ipomoea hederacea*	3	3	4	4
Jimsonweed	*Datura stramonium*	4	4	6	6
Kochia	*Kochia scoparia*	-	-	-	2
Ladysthumb	*Polygonum persicaria*	4	4	6	6
Pennsylvania Smartweed	*Polygonum pensylvanicum*	4	4	6	6
Pitted Morningglory*	*Ipomoea lacunosa*	3	3	4	4
Redroot Pigweed[3]	*Amaranthus retroflexus*	-	-	4	2
Spiny Pigweed[3]	*Amaranthus spinosus*	-	-	4	2
Sunflower	*Helianthus annus*	4	6	6	8
Tall Morningglory	*Ipomoea purpurea*	3	3	4	4
Tall Waterhemp[3]	*Amaranthus tuberculatus*	-	-	4	2
Velvetleaf	*Abutilon theophrasti*	4	3	6	5
Venice Mallow	*Hibiscus trionum*	-	-	4	2
Wild Buckwheat	*Polygonum convolvulus*	4	6	6	8
Wild Mustard	*Sinapis arvensis*	-	-	4	4
WEEDS SUPPRESSED[2]					
Canada Thistle	*Cirsium arvense*	Not recommended		8 inch to bud stage	

[1]When determining leaf stage, count all leaves except cotyledonary leaves.

[2]BROX™ 2EC suppresses growth by burning down of top growth. Regrowth may occur.

[3]Control of pigweeds in the high plains areas of Texas and Oklahoma may not be satisfactory with BROX™ 2EC. Repeat applications may be necessary to achieve satisfactory control.

[4]Do not apply BROX™ 2EC at the 2 pints/A rate to sorghum.

* Not registered for use in California.

BROX™ 2EC TANK MIXTURE INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + atrazine	Preemergence 3/4 - 1 1/2 pints/A + 1/2 - 1 1/5 lbs ai/A	Apply to corn or sorghum before planting until just prior to crop emergence.	See CORN AND SORGHUM APPLICATION RATE TABLE — BROX™ 2EC + ATRAZINE TANK MIXTURES for list of weeds and corresponding stages of growth that are controlled by BROX™ 2EC + Atrazine tank mixtures at specified rates of application. For control of additional weeds not listed in the rate table see the GENERAL WEED LIST.
	3/4 - 1 pint/A + 1/2 - 1 1/5 lbs ai/A	Apply to corn after emergence but before corn is 12 inches tall. Apply to sorghum between the 3 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first.	
	1 1/2 pints/A + 1/2 - 1 1/5 lbs ai/A	Apply to corn between the 4 leaf stage and before corn is 12 inches tall. Apply to sorghum between the 4 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first	

ATRAZINE TANK MIX RESTRICTIONS

Atrazine is a Restricted Use Herbicide due to groundwater 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 groundwater.

CORN AND SORGHUM APPLICATION RATE TABLE - BROX™ 2EC + ATRAZINE TANK MIXTURES

WEED SPECIES[1]		BROX™ 2EC AND ATRAZINE RATE (TANK MIX)											
When determining leaf stage, count all leaves except cotyledonary leaves		3/4 pint/A + 1/2 lb ai/A		3/4 pint/A + 1 1/5 lb ai/A		1 pint/A + 1/2 lb ai/A		1 pint/A + 1 1/5 lb ai/A		1 1/2 pint/A + 1/2 lb ai/A		1 1/2 pint/A + 1 1/5 lb ai/A	
		Max Leaf Stage	Max Weed Height	Max Leaf Stage	Max Weed Height	Max Leaf Stage	Max Weed Height	Max Leaf Stage	Max Weed Height	Max Leaf Stage	Max Weed Height	Max Leaf Stage	Max Leaf Height
Black Nightshade	(Solanum nigrum)	4	4	4	4	6	6	6	6	6	6	6	6
Buffalobur	(Solanum rostratum)	4	4	4	4	6	4	6	4	6	4	6	4
Burcucumber	(Sicyos angulatus)	4	4	4	4	4	4	6	6	6	6	6	6
Common Cocklebur	(Xanthium strumarium)	6	8	8	10	8	10	10	12	10	12	10	12
Common Lambsquarters	(Chenopodium album)	-	6	-	10	-	10	-	12	-	12	-	12
Common Ragweed	(Ambrosia artemisiifolia)	6	4	8	6	8	6	8	6	8	6	8	6
Eastern Black Nightshade	(Solanum ptycanthum)	4	4	4	4	4	6	6	6	6	6	6	6
Entireleaf Morning-glory	(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
Ivyleaf Morningglory	(Ipomoea hederacea)	3	3	4	4	4	4	4	4	4	4	4	4
Jimsonweed	(Datura stramonium)	4	4	4	4	6	6	6	6	6	6	6	6
Kochia	(Kochia scoparia)	-	2	-	2	-	2	-	2	-	4	-	4
Ladysthumb	(Polygonum persicana)	4	4	4	4	4	6	6	8	8	8	8	8
Marestail *	(Conyza Canadensis)	-	-	-	3	-	5	-	5	-	5	-	5
Palmleaf Morningglory	(Ipomoea wrightii)	-	-	4	3	4	3	4	3	4	3	4	3
Pennsylvania Smartweed	(Polygonum pensylvanicum)	4	4	4	4	6	6	8	8	8	8	8	8
Pitted Morningglory*	(Ipomoea lacunosa)	3	3	4	4	4	4	4	4	4	4	4	4
Pokeweed	(Phytolacca americana)	-	-	4	4	6	6	6	6	6	6	6	6
Prickly Sida	(Sida spinosa)	-	-	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 Morning-glory	(Jacquemontia tamnifolia	-	-	4	3	4	3	4	3	4	3	4	3
Smooth Pigweed[3]	(Amaranthus hybridus)	4	2	6	4	4	2	6	4	6	4	6	4
Spiny Pigweed[3]	(Amaranthus spinosus	4	2	8	6	6	4	8	6	6	4	8	6
Sunflower	(Helianthus annus)	6	8	8	10	8	10	10	12	10	12	10	12
Tall Morningglory	(Ipomoea purpurea)	3	3	4	4	4	4	4	4	4	4	4	4
Tall Waterhemp[3]	(Amaranthus tuberculatus)	4	2	8	6	6	4	8	6	6	4	8	6
Toothed Spurge	(Euphorbia dentata)	2	2	2	2	4	4	4	4	4	4	4	4
Velvetleaf	(Abutilon theophrasti)	4	3	4	3	6	5	6	5	8	6	8	6
Venice Mallow	(Hibiscus trionum)	4	2	4	2	4	2	4	2	4	2	4	2
Wild Buckwheat	(Polygonum convolvulus)	6	8	8	10	8	10	10	12	10	12	10	12
Wild Mustard	(Senapis arvensis)	4	4	4	4	4	4	4	4	4	4	4	4
WEEDS SUPPRESSED[2]													
Canada thistle	*(Cirsium arvensis)*	Not Recommended		Not Recommended		8 inch to bud		8 inch to bud		8 inch to bud		8 inch to bud	

[1]When determining leaf stage, count all leaves except cotyledonary leaves.

[2]Selected rates of BROX™ 2EC + atrazine tank mixtures suppress growth by burning down of top growth. Regrowth may occur.

[3]If pigweeds *(Amaranthus sp.)* present in the field to be treated have been identified as triazine resistant biotypes, use BROX™ 2EC at 1 1/2 pints/A in a tank mixture with atrazine at 1/2 or 1 1/5 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 BROX™ 2EC + atrazine tank mixtures. Repeat applications may be necessary to achieve satisfactory control.

*Not registered for use in California.

ATRAZINE CONVERSION TABLE[1]

ATRAZINE FORMULATION	ATRAZINE RATE POUNDS OF ACTIVE INGREDIENT PER ACRE	ATRAZINE FORMULATION RATE PER ACRE
Atrazine 4L	1/2	1 Pint
	1 1/5	2 2/5 Pints
Atrazine 80WP	1/2	5/8 Pound
	1 1/5	1 1/2 Pounds
Aatrex® Nine-O	1/2	3/5 Pound
	1 1/5	1 1/3 Pounds

[1]Follow all precautions and limitations on the labels of products used in tank mixture with BROX™ 2EC.

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 BROX™ 2EC at 1 pint/A. Make a second application of BROX™ 2EC 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 BROX™ 2EC at 1 1/2-2 pints/A or BROX™ 2EC + atrazine tank mixture at 1 pint/A + 1 1/5 ai/A. Make a second application of BROX™ 2EC at 1 pint/A 7 to 10 days later, but do not exceed a total of 2 pints/A per season on corn (field and pop).

Canada Thistle Management

For effective management of Canada thistle, the following BROX™ 2EC treatments should be applied to thistle from 8 inches to the bud stage for in-season burndown of top growth:

BROX™ 2EC at 1 1/2 - 2 pints/A
BROX™ 2EC at 1 - 1 1/2 pints/A + atrazine at 1/2 - 1 1/5 lbs ai/A
BROX™ 2EC at 1 - 1 1/2 pints/A + Banvel® or Clarity® at 1/4 - 1/2 pint/A
BROX™ 2EC at 1 - 1 1/2 pints/A + atrazine at 1/2 - 1 1/5 lbs ai/A + Banvel® or Clarity® at 1/8 - 1/4 pint/A
BROX™ 2EC at 1 - 1 1/2 pints/A + 2,4-D at 1/8 - 1/4 lb ai/A
BROX™ 2EC at 1 - 1 1/2 pints/A + atrazine at 1/2 - 1 1/5 lbs ai/A + 2,4-D at 1/8 - 1/4 lb ai/A

If possible follow with cultivation 14 - 21 days after treatment. In the fall apply 2,4-D, Banvel®, Clarity®, or Roundup® at specified 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 BROX™ 2EC TANK MIXTURE INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + Banvel®[1]	1 pint/A + 1/8 - 1/2 pint/A	Apply to field corn after emergence but before corn is 36 inches tall or 15 days before tassel emergence, whichever comes first. Apply to sorghum between the 3 leaf stage but 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.	All weeds controlled by BROX™ 2EC at specified rates of application plus improved control of pigweed. For Canada thistle burndown and field bindweed suppression up to the midbloom stage, use 1/4-1/2 pint/A of Banvel® with BROX™ 2EC.
	1 1/2 pints/A + 1/8 - 1/2 pint/A	Apply to field corn between the 4 leaf stage but before corn is 36 inches tall or 15 days before tassel emergence, whichever comes first. Apply to sorghum between the 4 leaf stage but 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.	

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + Atrazine + Banvel®[1]	1 pint/A + 1/2 - 1 1/5 lbs ai/A + 1/8 - 1/4 pint/A	Apply to field corn after emergence but before corn is 12 inches tall. Apply to sorghum between the 3 leaf stage but 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 if crop is taller than 8 inches.	All weeds controlled by BROX™ 2EC + atrazine tank mixtures at specified rates of application plus improved control of pigweed. For field bindweed suppression, use 1/4 pint/A of Banvel®/Clarity® with BROX™ 2EC.
	1 ½ pints/A + ½ - 1 1/5 lb ai/A + 1/8 – ¼ pint/A	Apply to field 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 first. Do not apply in the boot stage. Use drop nozzles if crop is taller than 8 inches.	

[1]Clarity may be used at the same rates as Banvel® in a tank mixture on corn. These mixtures must be applied before corn exceeds 8 inches in height. Do not use Clarity® in a tank mixture with BROX™ 2EC or BROX™ 2EC + atrazine on sorghum.

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + 2,4-D	1 pint/A + 1/16 - 1/4 lb ai/A	Apply to field corn after emergence but prior to tassel emergence. Use drop nozzles if crop is taller than 8 inches. Apply to sorghum between the 3 leaf stage but 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.	All weeds controlled by BROX™ 2EC at recommended rates plus improved pigweed and kochia control. For Canada thistle burndown and field bindweed suppression up to the midbloom stage, use 1/8-1/4 pint ai/A of 2,4-D with BROX™ 2EC.
	1 1/2 pints/A + 1/16 - 1/4 lb ai/A	Apply to field corn between the 4 leaf stage but prior to tassel emergence. Use drop nozzles if crop is taller than 8 inches. Apply to sorghum between the 4 leaf stage but prior to the preboot stage (growth stage 4) or 15 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + atrazine + 2,4-D	1 pint/A + 1/2 - 1 1/5 lbs ai/A + 1/16 - 1/4 lb ai/A	Apply to field corn after emergence but before the corn is 12 inches tall. Use drop nozzles if crop is taller than 8 inches. Apply to sorghum between the 3 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	All weeds controlled by BROX™ 2EC + atrazine tank mixtures at recommended rates of application plus improved devils claw control. For Canada thistle burndown and field bindweed suppression, use 1/8-1/4 lb ai/A of 2,4-D with BROX™ 2EC.
	1 1/2 pints/A + 1/2 - 1 1/5 lb ai/A + 1/16 - 1/4 lb ai/A	Apply to field corn between the 4 leaf stage but before the corn is 12 inches tall. Use drop nozzles if crop is taller than 8 inches. Apply to sorghum between the 4 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	
BROX™ 2EC + Accent® + Non-ionic surfactant	1 pint/A + 2/3 oz/A + 1 qt/100 gal water (0.25% v/v)	Apply to field corn preemergence or postemergence up to 36 inches tall. Use drop nozzles when corn is 24 to 36 inches tall. Do not apply this tank mix to sorghum.	All broadleaf weeds controlled by BROX™ 2EC at 1 or 1 1/2 pints/A plus grasses and broadleaves controlled by Accent®. For optimum weed control, treat when broadleaves and grasses are in the specified growth stage or size. Follow the weed size guideline on the BROX™ 2EC or Accent® labels that are least restrictive.
	1 1/2 pints/A + 2/3 oz/A + 1 qt/100 gal water (0.25% v/v)	Apply to field corn between the 4 leaf stage up to 36 inches in height. Use drop nozzles when corn is 24 to 36 inches tall. Do not apply this tank mix to sorghum.	
BROX™ 2EC + atrazine + Accent® + non-ionic surfactant	1 pint/A + 1/2 - 1 1/5 lbs ai/A + 2/3 oz/A + 1 qt/100 gal water (0.25% v/v)	Apply to field corn preemergence or postemergence but before the corn is 12 inches tall. Do not apply this tank mix to sorghum.	All broadleaf weeds controlled by BROX™ 2EC + atrazine plus grasses and broadleaves controlled by Accent®. For optimum weed control, treat when broadleaves and grasses are in the specified growth stage or size. Follow the weed size guideline on the BROX™ 2EC or Accent® labels that are least restrictive.
	1 1/2 pint/A + 1/2 - 1 1/5 lb ai/A + 2/3 oz/A + 1 qt/100 gal water (0.25% v/v)	Apply to field corn between the 4 leaf stage of crop growth but before the corn is 12 inches tall. Do not apply this tank mix to sorghum.	

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + Beacon® + Non-ionic surfactant	1 pint/A + 0.38 - 0.76 oz/A + 1 qt./100 gal water (0.25% v/v)	Apply to field corn from 4 to 20 inches in height. Do not apply this tank mix to sorghum.	All broadleaf weeds controlled by BROX™ 2EC at 1 pint/A plus grasses and broadleaves controlled by Beacon®. For optimum weed control, treat when broadleaves and grasses are in the specified growth stage or size. Follow the weed size guideline on the BROX™ 2EC or Beacon® labels that are least restrictive.
BROX™ 2EC + Exceed® + Non-ionic surfactant	3/4 - 1 pint/A + 0.5 - 1.0 oz/A + 1 qt./100 gal water (0.25% v/v)	Apply to field corn from 4 to 48 inches in height and before tasseling, whichever comes first. Do not apply this tank mix to sorghum.	Addition of Exceed® at 0.5 ounce/A to BROX™ 2EC at 3/4-1 pint/A will control all weeds on the BROX™ 2EC label at 1 pint/A plus improved control of velvetleaf and pigweed species. Addition of Exceed® at 1.0 ounce/A to BROX™ 2EC at 3/4-1 pint/A will control all weeds on both the BROX™ 2EC and Exceed® labels. Follow the weed size guidelines on the BROX™ 2EC and Exceed® labels that are least restrictive.
BROX™ 2EC + Permit® + Non-ionic surfactant	3/4 - 1 pint/A + 1/3 - 2/3 oz/A + 1 qt./100 gal 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 ounce/A to BROX™ 2EC at 3/4 - 1 pint/A will control all weeds on the BROX™ 2EC label at 1 pint/A plus improved control of velvetleaf and pigweed species. Addition of Permit® at 2/3 ounce/A to BROX™ 2EC at 3/4 - 1 pint/A will control all weeds on both the BROX™ 2EC and Permit® labels. Follow the weed size guidelines on the BROX™ 2EC and Permit® labels that are least restrictive.
BROX™ 2EC + Stinger®	1 pint/A + 1/3 - 2/3 pint/A	Apply to field corn after emergence up to 24 inches in height. Do not apply this tank mix to sorghum.	All weeds controlled by BROX™ 2EC at specified rates of application plus improved burndown of Canada thistle. For optimum performance, apply to Canada thistle at least 4 inches in diameter or height but before bud stage.
	1 1/2pints/A + 1/3 - 2/3 pint/A	Apply to field corn from 4 leaf stage up to 24 inches in height. Do not apply this tank mix to sorghum.	
BROX™ 2EC + Atrazine + Stinger®	1 pint/A + 1/2 - 1 1/5 lb ai/A + 1/3 - 2/3 pint/A	Apply to field corn after emergence but before corn is 12 inches in height. Do not apply this tank mix to sorghum.	All weeds controlled by BROX™ 2EC + atrazine tank mixtures at specified rates of application plus improved burndown of Canada thistle. For optimum performance, apply to Canada thistle at least 4 inches in diameter or height but before bud stage.
	1 1/2 pints/A + 1/2 - 1 1/5 lb ai/A + 1/3 - 2/3 pint/A	Apply to field corn from 4 leaf stage but before corn is 12 inches in height. Do not apply this tank mix to sorghum.	

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + Pursuit® + nonionic surfactant + UAN Fertilizer solution	3/4 - 1 pint/A + 4 oz/A + 1 qt/100 gals + 1 - 2 qts/A	Apply this tank mix only on field corn hybrids possessing resistance to Pursuit® herbicide. Contact your 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 BROX™ 2EC + Pursuit® tank mixtures.	This tank mix will control all broadleaf weeds listed as controlled by BROX™ 2EC at 1 pint/A plus giant foxtail, redroot pigweed, and other grass and broadleaf weeds listed on the Pursuit® label.
BROX™ 2EC + Roundup®	Preemergence 1 - 1 1/2 pints/A + 1 2/3 pints/A	Apply to corn or sorghum before planting time up until just prior to crop emergence.	All weeds controlled by BROX™ 2EC at specified rates of application plus control of certain grass and perennial weeds. Refer to Roundup® label for rate to use depending on weeds present at time of application.

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

- BROX™ 2EC does not control grasses. It is recommended that a suitable grass control program be used to provide any required grass control.
- Addition of a spray additive or mixture with liquid fertilizers may cause excessive crop leafburn.
- Seed corn producers should consult the respective seed corn company regarding tolerance of certain seed production inbred lines to BROX™ 2EC.
- Do not apply BROX™ 2EC to postemergence to seed corn inbreds or popcorn prior to the 3 leaf stage of crop growth as excessive crop leaf burn may occur.
- Do not plant rotational crops until the following season within 30 days following BROX 2EC application.
- Do not cut crop for feed, fodder or graze within 45 days of application.
- The total cumulative rate must not exceed 0.5 lbs ai bromoxynil (2 pints/A BROX 2EC) per season.
- Postemergence application prior to the 3 leaf growth stage of corn or sorghum may result in increased crop leaf burn.
- Tank mixtures with Accent®/nonionic surfactant or Beacon®/nonionic surfactant may result in increased initial crop leaf burn. Use of crop oil concentrate, nitrogen fertilizer solution or other adjuvants in BROX™ 2EC + Accent® or BROX™ 2EC + Beacon® tank mixtures may result in further increase in crop leaf burn.
- Special care should be taken when using BROX™ 2EC and Banvel®, Clarity®, or 2,4-D tank mixtures to avoid off-target drift to sensitive crops.
- Tank mixtures with 2,4-D, Banvel®, or Clarity® can cause stalk brittleness to field corn. Tank mixtures with 2,4-D and Banvel® can cause stalk brittleness to sorghum. Winds or cultivation may cause breakage while crop is brittle.
- Follow all restrictions and precautions on the label of all products used in tank mixture with BROX™ 2EC.
- Do not apply BROX™ 2EC at any rate to sorghum after the preboot stage of growth (growth stage 4) as severe crop injury, including loss of crop yield may result.
- Do not apply the 2 pints/A rate of BROX™ 2EC to sorghum.
- Do not apply the BROX™ 2EC + Pursuit® tank mix except to field corn hybrids known to possess resistance to Pursuit®, or severe crop injury may result.

WHEAT, BARLEY, OATS, RYE AND TRITICALE

BROX™ 2EC INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC	1 - 2 pints/A	Spring seeded wheat, barley, oats, rye and triticale. Use in all states except ID, OR, WA, CO, WY, and MT. Apply from emergence to the boot stage.	Apply 1 pint/A to MOST SUSCEPTIBLE and 1 1/2 - 2 pints/A to SUSCEPTIBLE weeds that do not exceed the 4 leaf stage or 2 inches in height, whichever comes first. If weed forms rosette, apply before weeds exceed 1 inch in diameter. Use BROX™ 2EC at 1 1/2 - 2 pints/A for control of kochia that is 2 - 4 inches in height and pigweed that does not exceed the 4 leaf stage or 2 inches in height, whichever comes first.
	1 1/2 - 2 pints/A	Fall-seeded wheat, barley, rye and triticale throughout the U.S. Apply from emergence to the boot stage. Spring-seeded wheat, barley and oats in ID, OR, WA, CO, WY, and MT. Apply from emergence to the boot stage.	Apply to MOST SUSCEPTIBLE weeds (see GENERAL WEED LIST) up to the 8 leaf stage or 4 inches in height, whichever comes first. If weed forms rosette, apply before weeds exceed 2 inches in diameter. Apply to SUSCEPTIBLE 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 wheat, barley, oats, rye and triticale form emergence to the boot stage. Apply through automated sprinkler irrigation systems with a mechanical transfer loading system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS section for complete details.	Apply to MOST SUSCEPTIBLE 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 unacceptable.
	Small Grain Underseeded with Alfalfa 1 - 1 1/2 pints/A	Apply to wheat, barley, oats, rye or triticale underseeded with alfalfa after small grain emergence up to the boot stage and when underseeded alfalfa has a minimum of 4 trifoliate leaves. Follow all precautions and restrictions listed under the small grains, wheat, barley, oats, rye, and triticale, and seedling alfalfa sections.	Apply 1 pint/A to MOST SUSCEPTIBLE and 1 1/2 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.

BROX™ 2EC TANK MIXTURE INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + 2,4-D	1 - 2 pints/A + 1/4 - 1/2 lb ai/A	Apply to wheat, barley, oats and rye from the fully tillered but before 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 comes first.
	3/4 - 1 pint/A + 1/4 – 1/2 lb ai/A	Apply to wheat and barley in MN, ND, and SD from the fully tillered but before jointing stage.	This tank mix improves control of wild buckweat, 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.
BROX™ 2EC + MCPA	1 - 2 pints/A + 1/4 - 1/2 lb ai/A	Apply to wheat, barley, oats and rye from the 4 leaf stage but before jointing.	This tank mix improves control of mustards, pigweed and kochia. Apply to weeds up to the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
BROX™ 2EC + Banvel®	1 - 1 1/2 pints/A + 1/8 - 1/4 pint/A	Fall seeded wheat apply prior to the jointing stage. Spring seeded wheat apply up to the 5 leaf stage. FOR USE ON WHEAT, BARLEY, OATS, RYE AND TRITICALE.	This tank mix improves control of broadleaves such as prostrate knotweed. Apply to weeds up to the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
BROX™ 2EC + Glean ® + Non-ionic surfactant	3/4 - 1 1/2 pints/A + 1/6 - 1/3 oz/A + 1 qt/100 gal water	Apply to wheat and barley from the 2 leaf stage but 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.
BROX™ 2EC + Ally® + Non-ionic surfactant	3/4 - 1 1/2 pints/A + 1/10 oz/A + 1 qt/100 gal water	Apply to wheat and barley from the 2 leaf stage but 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.
BROX™ 2EC + Finesse® + Non-ionic surfactant	3/4 - 1 1/2 pints/A + 1/6 - 1/3 oz/A + 1 qt/100 gal water	Apply to wheat and barley from the 2 leaf stage but before the boot stage. Refer to Finesse® label for crop rotation and other restrictions.	This tank mix improves control of broadleaves such as tansy mustard, henbit, chickweed and pigweed. Apply to weeds up to the 4 leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.
BROX™ 2EC + Amber® + Non-ionic surfactant	3/4 - 1 1/2 pints/A + 0.28 - 0.56 oz/A + 0.25 - 0.5% v/v	Apply to wheat and barley after the 3 leaf stage but before the flagleaf is visible. Refer to the Amber® label for crop rotation and other restrictions.	This tank mix improves control of broadleaves such as tansy mustard, henbit, and pigweed. Apply to weeds up to the 4 leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + Express® + nonionic surfactant	1 - 1 1/2 pints/A + 1/6 - 1/3 oz/A + 1 qt/100 gal water	Winter wheat. Apply after crop is in the 2 leaf stage but before the flag leaf is visible. Refer to Express ® label for crop rotation and other restrictions.	This tank mix improves control of broadleaf weeds such as redroot pigweed, tansy mustard and suppression of Canada thistle. Apply to annual weeds up to the 4 leaf stage, 4 inches tall or across, whichever comes first, and to Canada thistle 4 to 8 inches tall with 2 to 6 inches of new growth.
	3/4 - 1 1/2 pints/A + 1/6 - 1/3 oz/A + 1 qt/100 gal water	Spring wheat and barley. Apply after crop is in the 2 leaf stage but before the flag leaf is visible. Refer to Express ® label for crop rotation and other restrictions.	
BROX™ 2EC + Harmony® Extra + nonionic surfactant	3/4 - 1 1/2 pints/A + 3/10 - 1/2 oz/A + 1 qt/100 gal water	Winter wheat. Apply after the 2 leaf stage but before the 3rd node is detectable. Refer to the Harmony® Extra label for crop rotation and other restrictions. Spring wheat and barley. Apply after the 2 leaf stage but before the 1st node is detectable. Refer to the Harmony® Extra label for crop rotation and other restrictions.	This tank mix improves control of broadleaf weeds such as henbit, chickweed and redroot pigweed. Apply to weeds up to the 4 leaf stage, 4 inches in height or across, whichever comes first.
BROX™ 2EC + Curtail® or Curtail® M	1 - 1 1/2 pints/A + 2 pints/A	Apply to wheat and barley after the crop begins to tiller up to the 1st node detectable.	This tank mix improves control of kochia, wild buckwheat and Canada thistle. Apply to annual 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 pre-bud stage.
BROX™ 2EC + metribuzin (Sencor® or Lexone®)	1 - 1 1/4 pints/A + 1/8 - 1/4 lb ai/A	Winter wheat in ID, MT, OR, and WA. Apply in spring after growth has started and secondary roots with a minimum of 3 to 4 tillers have been established but before boot stage. Avoid application when crop has experienced winter kill, frost damage, disease or drought.	This tank mix improves control of broadleaves such as chickweed, filaree, henbit and dogfennel. Apply to weeds that do not exceed 2 inches tall or rosettes of 2 inches in diameter. The higher use rates of both products should be used only in emergency weed situations and if some minor crop injury is acceptable. A recognized authority should be consulted concerning the use of this mixture in your area.
BROX™ 2EC + diuron	1 pint/A + 4/10 lb ai/A	Winter wheat and winter barley in ID, OR and WA. Use only in areas where annual rainfall exceeds 16 inches. One fall application after emergence but before soil freezes or in spring as soon as soil thaws.	This tank mix improves control of broadleaves such as henbit and gromwell. Apply to weeds before they are 2 inches tall or 2 inches in diameter.
BROX™ 2EC + Tiller®	1 pint/A + 1 pint/A	Spring wheat. Apply when crop begins to tiller (3-4 leaf stage) up to the 6 leaf stage. Refer to the Tiller® label for complete use directions and restrictions.	In addition to broadleaf weeds controlled by BROX™ 2EC, this tank mix will control green foxtail from the 2-leaf to 2-tiller stage of growth.

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + Hoelon®	1 - 2 pints/A + 2 2/3 pints/A	Spring barley. After emergence but before jointing. Avoid using this tank mixture on barley exposed to cold (lower than 40°F) and/or prolonged wet weather conditions as crop injury may result.	This tank mix will provide wild oat, green foxtail and annual ryegrass control in addition to broadleaves. Apply to grasses 1-3 leaf stage and broadleaves no larger than 4 leaf stage or rosettes of 1.5 inches in diameter.
	1 - 2 pints/A + 2 2/3 - 3 1/3 pints/A	Winter wheat and spring wheat. After emergence but before jointing.	
BROX™ 2EC + Hoelon® + Crop Oil Concentrate	1 - 2 pints/A + 2 - 2 2/3 pints/A + 1 - 2 pints/A	Winter wheat and spring wheat. After emergence but before jointing. Use a minimum of 10 gallons of spray volume per acre. **DO NOT USE ON BARLEY.**	
BROX™ 2EC + Avenge®	1 - 2 pints/A + 2 1/2 - 4 pints/A	Winter wheat. 4 leaf to tillering stage. Refer to Avenge® label for varietal and other restrictions.	This tank mix will provide wild oat control in addition to broadleaves. Apply to wild oats in the 3-5 leaf stage and broadleaves no larger than 4 leaf stage or rosettes of 1.5 inches in diameter. Avenge® use rates per acre are 2.5 pints (1-10 oats per sq. ft.), 3 pints (11-25 oats per sq. ft.) or 4 pints (more than 25 oats per sq. ft.).
		Spring wheat. 5-6 leaf stage. Refer to Avenge® label for varietal and other restrictions.	
		Barley. 2-7 leaf stage.	

RESTRICTIONS AND PRECAUTIONS: Wheat, Barley, Oats, Rye & Triticale

- Do not cut graze treated fields within 45 days following treatment.
- Do not apply when crops are under moisture stress.
- Do not apply when crop canopy covers the weeds as poor weed control will result.
- Do not apply when underseeded alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.
- Do not add a surfactant or crop oil when applying to underseeded alfalfa or increased injury will occur.
- Do not cut for feed or graze spring treated underseeded alfalfa within 30 days following treatment.
- Do not cut for feed or graze fall or winter treated underseeded alfalfa until spring, at least 60 days following treatment.
- Reduced weed control may occur when weeds are stressed from lack of moisture or cold temperatures.
- Refer to labels of products used in tank mixture for additional restrictions and precautions.
- Do not plant rotational crops until the following season within 30 days following BROX 2EC application.
- The total cumulative rate must not exceed 0.5 lbs ai bromoxynil (2 pints/A BROX 2EC) per season.

FORAGE, FIBER AND SPECIALTY CROPS

ALFALFA (SEEDLING)

BROX™ 2EC INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC	1 - 1 1/2 pints/A	In the states of CA, WA, OR, ID, MT, WY, CO, UT, NV, AZ, NM, and the western halves of ND, SD, NE, and KS: Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliates. Unacceptable crop injury may occur to alfalfa seedlings less than the 2 trifoliate stage. BROX™ 2EC application made when temperatures are expected to exceed 80°F at and 3 days following application can result in unacceptable crop injury. In the remaining states, apply in the fall or spring to seedling alfalfa when the majority of the field has 4 trifoliate leaves. When alfalfa stand is uneven and conditions favor leaf burn, unacceptable crop injury may occur in alfalfa in the 2 trifoliate or smaller stage of growth. If you are unsure of growth stage conditions, contact your local extension service, Brox 2EC applications made when temperatures are expected to exceed 70°F at and 3 days following application can result in unacceptable crop injury. Follow all other use ditections listed on the Brox 2EC label	Apply 1 pint/A to MOST SUSCEPIBLE broadleaf weeds and 1 1/2 pints/A to SUSCEPTIBLE broadleaf weeds (See GENERAL WEED LIST) when weeds do not exceed 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first. BROX™ 2EC will not adequately control over-wintered pennycress, henbit and mustards.
BROX™ 2EC	Chemigation Only 2 pints/A	Apply to seedling alfalfa with a minimum of 2 trifoliate leaves. Apply through automated sprinkler irrigation systems with a mechanical transfer loading system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS section for complete details. BROX™ 2EC applications made when temperatures are expected to exceed 85° F at and 3 days following application can result in unacceptable crop injury.	Apply to MOST SUSCEPTIBLE broadleaf weeds up to the 8 leaf stage, 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.

BROX™ 2EC TANK MIXTURE INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	CROP
BROX™ 2EC + Butyrac® 200 (2,4-DB)	1 pint/A + 1 quart/A	Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 4 trifoliate leaves. When alfalfa stand is uneven and conditions favor leafburn unacceptable crop injury may occur to alfalfa in the 2 trifoliate or smaller stage of growth. If you are unsure of growth stage conditions, contact your local extension service. In the states of CA, WA, OR, ID, MT, WY, CO, UT, NV, AZ, NM, and the western halves of ND, SD, NE, and KS, BROX™ 2EC application made when temperatures are expected to exceed 80°F at and 3 days following application can result in unacceptable crop injury. In the remaining states BROX™ 2EC application made when temperatures are expected to exceed 70° F at and 3 days following application can result in unacceptable crop injury. Rainfall or overhead irrigation within 7-10 days following a Butyrac® 200 application can cause unacceptable crop injury.	This tank mix improves control of pigweed (sp.), kochia, and tansy mustard. Apply then weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first. BROX™ 2EC + Butyrac® 200 at 2 lb ai/gal tank mixtures will not adequately control over-wintered pennycress, henbit and mustards.
BROX™ 2EC + Pursuit® + Non-ionic surfactant	3/4 - 1 pint/A + 3 - 6 ounces/A + 1 qt/100 gallons of water	In the states of CA, WA, OR, ID, MT, WY, CO, UT, NV, AZ, NM, and the western halves of ND, SD, NE and KS: Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfalfa stand is uneven and conditions favor leafburn, unacceptable crop injury may occur to alfalfa treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth stage conditions, contact your local extension service. BROX™ 2EC + Pursuit® applications made when temperatures are expected to exceed 80°F at and 3 days following application can result in unacceptable crop injury.	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See GENERAL WEED LIST) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first; and other grass and broadleaf weeds listed on the Pursuit® label. Weeds should be 1-3 inches tall for optimum control.
	1/2 - 3/4 pint/A + 3 - 6 ounces/A + 1 qt/100 gallons of water	In the states except CA, WA, OR, ID, MT, WY, CO, UT, NV, AZ, NM, and the western halves of ND, SD, NE and KS: Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliate leaves. When alfalfa stand is uneven and conditions favor leafburn, unacceptable crop injury may occur to alfalfa treated prior to the 2nd trifoliate stage of growth. If you are unsure of growth stage conditions, contact your local extension service. BROX™ 2EC + Pursuit® applications made when temperatures are expected to exceed 80°F at and 3 days following application can result in unacceptable crop injury.	BROX 2EC at 1/2 pint/A tank mixed with Pursuit® will control common lambsquarters up to 2 inches in height plus weeds listed on the Pursuit® label. BROX 2EC at 3/4 pint/A + Pursuit® will control the MOST SUSCEPTIBLE annual broadleaf weeds (See General Weed List) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first plus weeds listed on the Pursuit® label. Applications should be made when the majority of the weeds are 1-3 inches tall and when common lambsquarters do not exceed 4 inches in height. For low growth weeds (such as mustards), apply before the rosette exceeds 3 inches in diameter. Refer to the Pursuit® label for a list of the specified rates.

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RESTRICTIONS AND PRECAUTIONS: ALFALFA (Seedling)

- Crop leafburn can occur following BROX™ 2EC application. Warm, humid conditions may enhance leafburn. New crop growth will not be affected. Alfalfa yield should not be reduced although total biomass tonnage may decrease compared to a weedy field due to weed removal.
- Do not apply when alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.
- If combined with herbicides requiring oil adjuvants or surfactants, increased alfalfa injury will occur.
- Do not cut for feed or graze spring treated alfalfa within 30 days following treatment.
- Do not cut for feed or graze fall or winter treated alfalfa until spring, at least 60 days following treatment.
- Do not plant rotational crops within 30 days following BROX 2EC application.
- The total cumulative rate of BROX™ 2EC must not exceed 0.5 lbs ai bromoxynil (2 pints/A BROX 2EC) per season.
- The use of Eptam® preemergence may enhance crop leaf burn from postemergence application of BROX™ 2EC and should be considered prior to using BROX™ 2EC.
- Follow all restrictions and precautions on the tank mixture product label when a BROX™ 2EC tank mixture is used.
- Tank mixture with 2,4-DB may result in unacceptable crop leaf burn especially under warm, humid weather conditions.
- BROX™ 2EC alone can be applied to seedling alfalfa that has been underseeded into wheat, barley, oats, rye and triticale. See application restrictions under the WHEAT, BARLEY, OATS, RYE, AND TRITICALE section.
- Rainfall or overhead irrigation within 7-10 days following Butyrac® 200 application can cause unacceptable crop injury.

FLAX (*Linum usitatissimum* only)

BROX™ 2EC INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC	1 pint/A	Apply to flax that is 2 to 8 inches in height. Do not apply BROX™ 2EC to flax during or after the bud stage.	Apply to MOST SUSCEPTIBLE weeds that do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.

BROX™ 2EC TANK MIXTURE INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC + Poast® + Crop Oil Concentrate or Dash®	1 pint/A + 1 - 1 1/2 pints/A + 2 pints/A or 2 pints/A	Apply to flax that is 2 to 8 inches in height. Do not apply this tank mix to flax during or after the bud stage, or within 75 days of harvest.	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 BROX™ 2EC label) that do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.

RESTRICTIONS AND PRECAUTIONS: FLAX (*Linum usitatissimum* only)

- Do not plant rotational crops within 30 days following BROX™ 2EC application.
- 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 BROX™ 2EC application to flax grown on high organic, peat type soils.
- Application under high humidity conditions can injure flax.
- Unless otherwise instructed, do not apply BROX™ 2EC to flax 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 BROX™ 2EC.
- Do not apply more than 1 pint of BROX™ 2EC per acre in a single growing season.

GARLIC

BROX™ 2EC INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC	1 1/2 - 2 pints/A	Apply to garlic after emergence but before 12 inches in height.	Apply to MOST SUSCEPTIBLE and SUSCEPTIBLE broadleaf weeds up to the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
BROX™ 2EC (Only for garlic grown in muck soils in Northeastern U.S.)*	1 1/2 - 2pints/A	Apply to garlic after emergence but before 12 inches in height. *May be harvested 60 days after treatment.	

RESTRICTIONS AND PRECAUTIONS: GARLIC

- Do not plant rotational crops within 30 days following BROX™ 2EC application.
- Use a minimum of 20 gallons per acre for ground application.
- BROX™ 2EC can be applied through automated sprinkler irrigation application.
- Do not harvest within 112 days following treatment (except garlic grown in muck soils in the Northeastern United States).
- Do not apply more than 2 pints of BROX™ 2EC per acre in a single growing season.

MINT
(ESTABLISHED PEPPERMINT AND SPEARMINT ONLY

BROX™ 2EC INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC	1 - 1 1/2 pints/A	Apply to dormant or actively growing established peppermint or spearmint crops that exhibit good vigor.	Apply to MOST SUSCEPTIBLE and SUSCEPTIBLE broadleaf 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 automated sprinkler irrigation systems with a mechanical transfer loading system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS section for complete details.	

RESTRICTIONS AND PRECAUTIONS: MINT

- Application made to mint when temperatures are expected to exceed 70° F at or 5 days following application may result in unacceptable crop injury. This injury is more likely to occur following BROX™ 2EC 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 BROX™ 2EC 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.
- BROX™ 2EC 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 BROX™ 2EC in combination with other products may increase temporary stunting and discoloration.
- Do not harvest within 70 days following treatment.
- Do not apply more than 1.5 lbs ai bromoxynil (6 pints BROX 2EC HERBICDE) total product per acre in a single growing season.
- Do not plant rotational crops within 30 days following BROX™ 2EC application.

ONIONS
(DRY BULB)

BROX™ 2EC INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC	Preemergence 1 - 1 1/2 pints/A	Preemergence use is restricted to onions grown east of the Mississippi River only on muck soils containing greater than 10% organic matter. Apply at least 3 to 4 days prior to emergence. Rainfall or irrigation within 2 days following preemergence applications or 3 days prior to crop emergence may result in unacceptable crop injury. Preemergence applications can be applied using either ground or aerial equipment.	Apply BROX™ 2EC at 1 pint/A to control MOST SUSCEPTIBLE weeds and 1 1/2 pints/A for SUSCEPTIBLE weeds. Weeds should not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
	Postemergence 1 - 1 1/2 pints/A	Apply only to onions which have 2 to 5 true leaves. Use at least 50-70 gal water per acre and apply by ground equipment or chemigation only. Water volume is important - **CONCENTRATED SPRAYS KILL ONIONS.** Thorough and uniform coverage is necessary for good weed control. In onion-producing areas, certain environmental conditions reduce development of waxy coating on the onion leaves, thus increasing the possibility of injury. Dry soil, dry onion foliage, high light intensity low humidity, and high temperatures tend to increase the waxy coating on onion leaves and thus reducing chances for injury. It is essential that the soil and onion foliage be dry at the time of application. Humidity should be low and dew should be off the plants.	

RESTRICTIONS AND PRECAUTIONS: ONIONS (Dry Bulb)

- The sensitivity of onions to BROX™ 2EC varies with the variety and environmental conditions. Therefore even if all the label directions are followed, BROX™ 2EC application still may cause injury to onions under certain circumstances.
- Do not irrigate onions that have received a preemegence application of BROX™ 2EC for 2 days following application or within 3 days of crop emergence.
- Do not apply BROX™ 2EC preemergence to onions grown west of the Mississippi River.
- Do not use BROX™ 2EC 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 BROX™ 2EC to onions with aerial equipment.
- Do not add surfactant.
- Do not apply more than 0.375 lb ai bromoxynil (1 1/2 pints of BROX™ 2EC) per acre in a single growing season.
- Do not plant rotational crops within 30 days following BROX™ 2EC application.

GRASS CROPS

CONSERVATION RESERVE PROGRAM (CRP) AREAS

BROX™ 2EC INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
BROX™ 2EC	1 - 2 pints/A	Apply to grasses after emergence. If alfalfa is planted, apply after the 4 trifoliate leaf stage.	Apply to MOST SUSCEPTIBLE and SUSCEPTIBLE 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 automated sprinkler irrigation systems with a mechanical transfer loading system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS section for complete details.	

BROX™ 2EC TANK MIXTURE INSTRUCTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	CROP
*BROX™ 2EC + MCPA (4 lb ai/gal)	1 - 2 pints/A + 1/4 - 1/2 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, pigweed, 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 BROX™ 2EC to CRP areas planted with alfalfa or other legumes.
- Do not apply BROX™ 2EC 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 0.375 lb ai bromoxynil (1 1/2 pints/A of BROX™ 2EC) per year to CRP areas that are underseeded with alfalfa.

GRASSES GROWN FOR SEED OR SOD PRODUCTION

SEEDLING AND ESTABLISHED GRASSES

BROX™ 2EC INSTRUCTIONS

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	Per ACRE	Per 1000 SQ FT	CROP	WEEDS
BROX™ 2EC	1 - 2 pints	0.375 - 0.75 fl oz	Apply to established and newly seeded grasses grown for seed or sod production before the boot stage. Established grasses tolerant to BROX™ 2EC include Bentgrasses, Kentucky Bluegrass, Fescues, Ryegrass, Bermudagrass, St. Augustinegrass and Zoysiagrass. BROX™ 2EC 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 Bentgrasses, perennial Ryegrasses, Bahiagrass and Zoysiagrass.	Refer to the GENERAL WEED LIST for a listing of susceptible broadleaf weeds. Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height, or 1 inch in diameter).
	Chemigation 2 pints only	0.75 fl oz/	Apply to established and newly seeded grasses grown for seed or sod production before the boot stage. Apply through automated sprinkler irrigation systems with mechanical transfer loading system only. See MIXING LOADING AND HANDLING INSTRUCTIONS section for complete details. Refer to the list of established grasses that are tolerant to BROX™ 2EC.	

RESTRICTIONS AND PRECAUTIONS: GRASSES GROWN FOR SEED OR SOD PRODUCTION

- Do not allow livestock to graze in treated areas or feed treated grasses, forage, hay, straw, silage, or seed to livestock.
- Do not apply BROX™ 2EC to grasses grown for seed or sod production with backpack or hand-held application equipment.
- Do not apply more than 0.5 lbs ai bromoxynil (2 pints of BROX™ 2EC) per acre in a single growing season.
- Do not plant rotational crops within 30 days following BROX™ 2EC application.

NON-RESIDENTIAL TURFGRASS

BROX™ 2EC INSTRUCTIONS

Seedling and Established Non-Residential Turfgrass

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	Per ACRE	Per 1000 SQ FT	CROP	WEEDS
BROX™ 2EC	1 – 2 pints	0.375 - 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 BROX™ 2EC include Bentgrasses, Kentucky Bluegrass, Fescues, Ryegrass, Bermudagrass, St. Augustinegrass and Zoysiagrass. BROX™ 2EC 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 Bentgrasses, perennial Ryegrasses, Bahiagrass and Zoysiagrass.	Refer to the GENERAL WEED LIST for a listing of susceptible broadleaf weeds. Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height, or 1 inch in diameter).

RESTRICTIONS AND PRECAUTIONS: NON-RESIDENTIAL TURFGRASSES

- Do not allow livestock to graze in treated areas or feed treated grasses, forage, hay, straw, silage, or seed to livestock.
- Do not apply BROX™ 2EC to non-residential turf with backpack or hand-held application equipment.
- Do not apply more than 0.5 lb ai bromoxynil (2 pints BROX 2EC) per year.

BROX™ 2EC TANK MIXTURE INSTRUCTIONS
Established Non-Residential Turfgrass

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	Per ACRE	Per 1000 SQ FT	CROP	WEEDS
BROX™ 2EC + Weedone® DPC Ester	2 pints + 3 - 4 pints	0.75 fl oz/ + 1.125 - 1.5 fl oz	Apply to established non-residential turfgrass only. This treatment may cause injury to bentgrasses, St. Augustinegrass, Centipedegrass, and Carpetgrass.	All weed species listed in the GENERAL WEED LIST plus the following species: Dandelion, plantains, ground ivy, red clover, white clover, hop clover, common chickweed, prostrate spurge, oxalis, and knotweed. Optimal control will be attained when weeds are treated in the seedling stage (less that 4 leaf stage, 2 inches in height, or 1 inch in diameter).
BROX™ 2EC + MCPP	2 pints + 1.0 lb ai	0.75 fl oz + 0.025 lb ai	Apply to established non-residential turfgrass only. This treatment is not recommended for use on St. Augustinegrass or Centipedegrass.	All weed species previously listed in the GENERAL WEED LIST plus the following species: Red clover, white clover, common chickweed, mouseear chickweed, ground ivy, stitchwort, knotweed, and prostrate spurge. Optimal control will be attained when weeds are treated in the seedling stage (less that 4 leaf stage, 2 inches in height, or 1 inch in diameter).
BROX™ 2EC + Dicamba	2 pints + 0.125 - 0.25 lb ai	0.75 fl oz/ + 0.006 - 0.012 lb ai	Apply to established non-residential turfgrass only. This treatment may cause injury to Bentgrasses, St. Augustinegrass, Centipedegrass, and Carpetgrass.	All weed species previously listed in the GENERAL WEED LIST plus the following species: Red clover, white clover, common chickweed, mouseear chickweed, pepperweed, and knotweed. Optimal control will be attained when weeds are treated in the seedling stage (less that 4 leaf stage, 2 inches in height, or 1 inch in diameter).

PRODUCT	RATE Per ACRE	RATE Per 1000 SQ FT	APPLICATION TIMING AND SPECIFIC COMMENTS CROP	WEEDS
BROX™ 2EC + MCPP + Dicamba	2 pints + 0.5 - 1.0 lb ai + 0.125 - 0.25 lb ai	0.75 fl oz + 0.0125 - 0.025 lb ai + 0.003 - 0.006 lb ai	Apply to established non-residential turfgrass only. This treatment is not recommended for use on St. Augustinegrass or Centipedegrass.	All weed species previously listed in the GENERAL WEED LIST for BROX™ 2EC and BROX™ 2EC/Dicamba tank mixtures plus the following species: Dandelion, Plantains. Optimal control will be attained when weeds are treated in the seedling stage (less that 4 leaf stage, 2 inches in height, or 1 inch in diameter).
BROX™ 2EC + MCPP + 2,4-D	2 pints + 0.5 - 1.0 lb ai + 0.5 - 1.0 lb ai	0.75 fl oz/ + 0.0125 - 0.025 lb ai + 0.0125 - 0.025 lb ai	Apply to established non-residential turfgrass only. This treatment is not recommended for use on St. Augustinegrass or Centipedegrass.	All weed species previously listed in the GENERAL WEED LIST for BROX™ 2EC and BROX™ 2EC/2,4-D tank mixtures plus the following species: Dandelion, plantains, red sorrell, knotweed. Optimal control will be attained when weeds are treated in the seedling stage (less that 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: NON-RESIDENTIAL TURFGRASSES

- BROX™ 2EC/Weedone® DPC tank mixes are not allowed in California.
- Do not allow livestock to graze in treated areas or feed treated grasses, forage, hay, straw, silage, or seed to livestock.
- Do not apply BROX™ 2EC to non-residential turf with backpack or hand-held application equipment.
- Do not apply more than 0.5 lbs ai bromoxynil (2 pints of BROX™ 2EC) per acre in a single growing season per year.

NON-CROPLAND AND INDUSTRIAL SITES

BROX™ 2EC INSTRUCTIONS

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	Per ACRE	Per 1000 SQ FT	CROP	WEEDS
BROX™ 2EC	1 - 2 pints	0.375 - 0.75 fl oz	Apply to non-cropland and industrial sites when weeds have emerged and are actively growing.	Refer to the GENERAL WEED LIST for a listing of susceptible broadleaf weeds. Use adequate spray volumes to ensure thorough coverage. Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height, or 1 inch in diameter).

RESTRICTIONS AND PRECAUTIONS: NON-CROPLAND AND INDUSTRIAL SITES

- Do not allow livestock to graze in treated areas or feed treated plant material to livestock.
- Addition of surfactant or crop oil concentrate may improve burndown of broadleaf weeds under cool, dry conditions.
- Do not apply BROX™ 2EC to non-cropland and industrial sites with backpack or hand-held application equipment.
- Do not apply more than 0.5 lbs ai bromoxynil (2 pints of BROX™ 2EC) per acre.

WARRANTY LIMITATIONS AND DISCLAIMER

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the DIRECTIONS FOR USE when used under normal conditions. THIS IS THE ONLY WARRANTY MADE ON THIS PRODUCT. NO OTHER EXPRESS AND NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OUTSIDE OF THIS LABEL. Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to or beyond the control of seller.

To the extent permitted by applicable law, when buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify seller, in writing, of any claims to be eligible to receive either remedy given below. To the extent permitted by applicable law, the EXCLUSIVE REMEDY OF THE BUYER OR USER and the LIMIT OF LIABILITY of seller will be one of the following, at the election of the seller:

1. Refund of purchase price paid by buyer or user for product bought or
2. Replacement of amount of product used.

To the extent permitted by applicable law, the seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations and Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations and Disclaimer in any manner.