51036 - 254

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# **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

NOV 1 4 2000

Morris Gaskins MICRO FLO COMPANY 530 Oak Court Drive, Suite 100 Memphis, TN 38117

Subject: Reregistration of Bromox/MCPA 2-2 Herbicide EPA Registration No. 51036-254 Your revised labeling submitted June 16, 2000

Dear Mr. Gaskins:

Based on your response to the Reregistration Eligibility Document (RED) for bromoxynil, the label amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable, provided that you adhere to the requirements specified below. Please note that this product can not be reregistered under section 4(g)(2)(c) of FIFRA until the MCPA RED is issued and all requirements for that active ingredient have been satisfied.

As part of the reregistration review, the basic confidential statements of formula (CSF) dated August 27, 1999, has been accepted for this product. This CSF supercedes all previously accepted CSFs, and is the only currently acceptable CSF.

In order to maintain registration of this product, you must adhere to the following conditions:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5), 3(g), or 4 when the Agency requires all registrants of similar products to submit such data.

2. Tolerances for grass forage and grass hay are required to support uses on conservation reserve program (CRP) areas and grasses grown for seed; however, there are no tolerances for grass forage and grass hay established for bromoxynil. Therefore, adequate progress towards establishing tolerances for bromoxynil on grass forage and grass hay is required as a condition of continued registration of bromoxynil. An annual report detailing the progress being made towards establishment of these tolerances must be submitted to EPA each May until these tolerances are established. Alternatively, you may submit revised labeling which removes CRP and grasses grown for seed uses from the product label.

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3. Make the following changes to your labeling:

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a. At the end of the SPRAY DRIFT MANAGEMENT section, add the following statement:

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

b. Delete duplicate language in the LIMITED WARRANTY AND DISCLAIMER section.

4. Submit one copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely. for M.

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

# BROMOX/MCPA 2-2

FOR CONTROL OF CERTAIN BROADLEAF WEEDS IN WHEAT, BARLEY, OATS, AND RYE, CONSERVATION RESERVE PROGRAM (CRP) AREAS, GRASSES GROWN FOR SEED PRODUCTION AND FLAX

ACTIVE INGREDIENTS:

\* Bromoxynil octanoate equivalent to 21.8% of bromoxynil or not less than 2.0 pounds of bromoxynil per gallon. \*\*Equivalent to 21.8% 2-methyl-chlorophenoxyacetic acid or not less than 2.0

pounds MCPA acid per gallon. Contains Petroleum Distillate

#### 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:

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- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- 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.
Call a poison control center or doctor for treatment advice.

- 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 immediate 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 further treatment advice.

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

EPA Reg. No. 51036-254

ACCEPTED with COMMENTS In EPA Letter Dated

NOV 1 4 2000

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the posticide registered under EPA Reg. No. 51036-254

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Manufactured For:	د د د و <u>د</u> و او	, ,
MICRO FLO COMPANY		, , , , , , , , , , , , , , , , , , ,
P.O. BOX 772099	*****	•
MEMPHIS, TN 38117	****	•
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EPA Est. No.

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# PRECAUTIONARY STATEMENTS

# WARNING

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if swallowed. Harmful if absorbed through skin or inhaled. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

- 1. Coveralls over a long-sleeved shirt and long pants
- 2. Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or viton gloves
- 3. Chemical-resistant apron when mixing, loading or cleaning equipment
- 4. Protective eyewear
- 5. Chemical-resistant headgear for overhead exposure
- 6. Chemical-resistant footwear plus socks

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

If you will handle a total of 60 gallons or more of this product per day, you must use a mechanical transfer system for all mixing and loading operations. If this product is packaged in a 30 gallon drum, you must use a mechanical transfer system which terminates in a drip-free hard coupling which may be used only with a spray or mix tank which has been fitted with a compatible coupling. If you do not presently own or have access to a mechanical transfer system with this type of coupling, contact your dealer for information on how to obtain such a system or to modify your present system. When using a mechanical transfer system, do not remove or disconnect the pump or probe from the container until the container has been emptied and rinsed. The pump or probe system must be used to rinse the empty container and to transfer the rinsate directly to the mixing or spray tank. Application from a tractor with a completely enclosed cab or aerial application is required whenever this product is applied to 360 or more acres in a day. The closed systems and enclosed cabs must be used 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. 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.

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0 # # # # # # # # # # # # # # 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, playgrounds, hospitals, shopping areas, etc.)

Apply to non-residential turf only. Do not apply to residential, playground, or schoolyard turf.

Do not apply with backpack or hand-held application equipment.

# USER SAFETY RECOMMENDATIONS

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

# ENVIRONMENTAL HAZARDS

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

#### PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

# NOTICE

BROMOX/MCPA 2-2 Herbicide contains low volatile isooctyl (2-ethylhexyl) ester of MCPA. At high air or ground surface temperatures, vapors from this product may cause injury to susceptible plants. This fact should be considered when applying BROMOX/MCPA 2-2.

## 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 worker's 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. .... 

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# AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated 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:

- 1. Coveralls over long-sleeved shirt and long pants
- 2. Chemical-resistant gloves such as nitrile, viton or barrier laminate
- 3. Chemical-resistant footwear plus socks
- 4. Chemical-resistant headgear for overhead exposure
- 5. Protective evewear

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# STORAGE AND DISPOSAL

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

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

#### RETURNABLE -- REFILLABLE CONTAINERS

After use, return the container to the point of purchase or designated locations. This container must only be refilled with BROMOX/MCPA 2-2 Herbicide. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE. Prior to refilling, inspect thoroughly for damage such as cracks, punctures, abrasions and damaged or worn out threads on closure devices. Do not refill or transport damaged or leaking containers. Check for leaks after refilling and before transportation. If the container is not being refilled, return, it to the point of purchase.

#### GENERAL INFORMATION

BROMOX/MCPA 2-2 is formulated as an emulsifiable concentrate containing the equivalent of 2 pounds per gallon of octanoic acid ester of promoxynil and 2

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pounds per gallon of isooctyl (2-ethylhexyl) ester of MCPA. BROMOX/MCPA 2-2 is a selective postemergence herbicide for control of important broadleaf weeds infesting wheat, barley, oats, rye, conservation reserve program areas, grass grown for seed and flax. Optimum weed control is obtained when BROMOX/MCPA 2-2 is applied to actively growing weed seedlings. BROMOX/MCPA 2-2 is primarily a contact herbicide, therefore thorough coverage of the weed seedlings is essential for optimum control.

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

#### MIXING, LOADING AND HANDLING INSTRUCTIONS

#### 2.5 Gallon Containers

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

#### 30 Gallon and Bulk Containers

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

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

TANK MIXTURES: BROMOX/MCPA 2-2 may be tank-mixed with other pesticide products provided that these other products are registered for use on the crop/use site

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The tank mix must be used in accordance with the more to be treated. restrictive pesticide label limitations and precautions. No label dosage BROMOX/MCPA 2-2 cannot be mixed with any product rates may be exceeded. containing a label prohibition against such mixing. BROMOX/MCPA 2-2 can be applied in tank mixture with many other herbicides and insecticides registered for use on approved crops. Refer to the specific crop section for rate recommendations and other restrictions. To apply BROMOX/MCPA 2-2 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 recommended amount of BROMOX/MCPA 2-2 and add water to the spray tank to the desired level. If tank mixing with other product types, add the BROMOX/MCPA 2-2 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.

If tank mixing with products other than those listed 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 BROMOX/MCPA 2-2.

## SPRAYABLE LIQUID FERTILIZERS AND SPRAY ADDITIVES

BROMOX/MCPA 2-2 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 BROMOX/MCPA 2-2. 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 BROMOX/MCPA 2-2 is evenly mixed with the fertilizer. Leaf burn may occur when BROMOX/MCPA 2-2 is applied with liquid fertilizer, but new leaves are not adversely affected.

NOTICE: Fertilizers and spray additives can increase foliage leaf burn when applied with BROMOX/MCPA 2-2. Do not apply fertilizers or spray additives with BROMOX/MCPA 2-2 if leaf burn is a major concern due to environmental conditions, crop or variety sensitivity to BROMOX/MCPA 2-2.

# APPLICATION PROCEDURES

BROMOX/MCPA 2-2 can be applied to registered use areas by ground, aerial and sprinkler irrigation equipment.

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# 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 spray pressure of 40-60 psi are recommended. Other nozzle types and lower spray pressures that produce coarse spray droplets may not provide adequate coverage of the weeds to ensure optimum control. Raindrop nozzles and flood nozzles are not recommended as weed control with BROMOX/MCPA 2-2 may be reduced. In general, a spray volume of 10 to 20 gallons per acre (GPA) is recommended for optimum spray coverage. A minimum of 5 GPA with a minimum spray pressure of 50 psi and a maximum ground speed of 10 mph may be used with higher speed, low volume ground application if ground terrain, crop and weed density allow effective spray distribution. When using higher speed equipment a maximum ground speed of 10 mph is suggested if field conditions cause excessive boom movement during application which results in poor spray coverage.

Ground applications made when dry, dusty field conditions exist may provide reduced weed control in wheel track areas. Applications using less than 10 gallons per acre may result in reduced weed control.

When weed infestations are heavy, use of higher spray volumes and spray pressure will be helpful in obtaining uniform weed coverage.

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

#### AERIAL APPLICATION

Use crifice 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. A minimum spray volume of 3 GPA may be used if crop canopy and weed density allow adequate spray coverage at that gallonage.

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

BROMOX/MCPA 2-2 Herbicide can be applied through sprinkler irrigation systems to wheat, barley, oats, rye, triticale and grasses grown for seed.

Apply BROMOX/MCPA 2-2 Herbicide 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

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- 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 value to prevent the flow of fluid back toward the injection pump.
- 3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- 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 the BROMOX/MCPA 2-2 Herbicide.
- 9. BROMOX/MCPA 2-2 Herbicide should be applied continuously for the duration of the water application with center pivot and continuous lateral move systems. Application of BROMOX/MCPA 2-2 Herbicide 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 BROMOX/MCPA 2-2 Herbicide is diluted in the supply tank, fill the tank with half of the water amount desired, add the BROMOX/MCPA 2-2 and then add remaining water amount with agitation. Always dilute with at least 4 parts water to 1 part BROMOX/MCPA 2-2.
- 13. Start the sprinklers and then inject BROMOX/MCPA 2-2 Herbicide into the irrigation line. BROMOX/MCPA 2-2 should be injected with a positive displacement pump into the main line at least 8 feet ahead of a right angle turn to insure adequate mixing. Refer to the recommendations for specific crops 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 of 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

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can result from non-uniform distribution of treated water.

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

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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.

## SPRAY DRIFT MANAGEMENT

Avoid spray drift to nearby crops as this product will cause modifications in plant growth. Plant injury or reduced yields will result.

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 is responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target 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 3/4 the length of the wingspan or rotor.
- 2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

## AERIAL DRIFT REDUCTION ADVISORY

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 produces larger, droplets. Consider

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using low-drift nozzles. Solid stream nozzles oriented straight back produces the largest droplets and the lowest drift.

#### BOOM LENGTH

For some use patterns, reducing the effective boom length to less than 3/4 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 target 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 windward. Therefore, on the up and down edges of the field, the applicator should compensate for the displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with the increasing drift potential (higher wind, smaller drops, etc.).

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Drift potential is lowest between winds speeds of 2 - 10 mph. However, many factors, including droplet site 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 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.

#### 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 habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

#### GENERAL WEED LIST

Postemergence application of BROMOX/MCPA 2-2 Herbicide will control the following weeds when sprayed in the seedling stage. Max;mum;weed stage of growth is listed under BROMOX/MCPA 2-2 RECOMMENDATIONS.

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# MOST SUSCEPTIBLE BROADLEAF WEED SPECIES

Annual sowthistle Black mustard Black nightshade Common cocklebur Common lambsquarters Common tarweed Cow cockle Cutleaf nightshade Eastern black nightshade Coast fiddleneck Field pennycress Green smartweed Hairy nightshade Horned Poppy Jimsonweed Ladysthumb Lanceleaf sage London rocket Marshelder Pennsylvania smartweed Pepperweed spp. Redroot pigweed Russian thistle Shepherdspurse Silverleaf nightshade Smooth pigweed Spiny pigweed <sup>1</sup>Sunflower Tall Waterhemp Tartary buckwheat Tumble mustard Wild buckwheat Wild mustard Yellow rocket

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(Sonchus oleraceus) (Brassica nigra) (Solanum nigrum) (Xanthium strumarium) (Chenopodium album) (Hemizonia congesta) (Saponaria vaccaria) (Sclanum triflorum) (Solanum ptycanthum) (Amsinckia intermedia) (Thlaspi arvense) (Polygonum scabrum) (Solanum sarachoides) (Glaucium corniculatum) (Datura stramonium) (Polygonum persicaria) (Salvia reflexa) (Sisymbrium irio) (Iva xanthifolia) (Polygonum strumarium) (Lepidium spp.) (Amaranthus retroflexus) (Salsola kali) (Capsella bursa-pastoris) (Solanum elaeagnifolium) (Amaranthus hybridus) (Amaranthus spinosus) (Helianthus annuus) (Amaranthus tuberculatus) (Fagopyrum tataricum) (Sisymbrium altissimum) (Polygonum convolvulus) (Sirapis arvensis) (Barbarea vulgaris)

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

# SUSCEPTIBLE BRCADLEAF WEED SPECIES

Blue (purple) mustard Common groundsel ( Common ragweed ( Corn chamomile ( Corn gromwell ( Fumitory ( Giant ragweed ( Hemp sesbania ( Henbit ( Ivyleaf morningglory ( Knawel ( Kochia ( Mayweed (

(Chlorispora tenella) (Senecio vulgaris) (Ambrosia artemisiifolia) (Anthemis arvensis) (Lithospermum arvense) (Fumaria officinalis) (Ambrosia trifida) (Sesbania exaltata) (Lamium amplexicaule) (Ipomoea hederacea) (Scleranthus annuus) (Kochia scoparia) (Anthemis cotula),,,,

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Prostrate knotweed Puncture vine Tall morningglory Tansy mustard Tarweed Velvetleaf Wild radish (Polygonum aviculare) (Tribulus terrestis) (Ipomoea purpurea) (Descurainia pinnata) (Hemizonia spp.) (Abutilon theophrasti) (Raphanus raphanistrum)

Meeds germinating after spraying will not be controlled.

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# WEED SUPPRESSION

Canada thistle

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(Cirsium arvense)

BROMOX/MCPA 2-2 Herbicide applied at 1 1/2 pints per acre provides burn down of top growth. Regrowth may occur. Make applications when Canada thistle is 8 inches tall to the bud stage.

	APPLICATION TIMING AND SPECIFIC COMMENTS				
PRODUCT	RATE	CROP	WEEDS		
BROMOX/ MCPA 2- 2	1 pint/A	Fall seeded wheat, barley, oats and rye throughout the United States and spring seeded wheat, barley, oats and rye in Idaho, Oregon, Washington, Colorado, Wyoming and Montana. Apply to wheat, barley, oats and rye from the 3 leaf stage but before the crop reaches the boot stage.	MOST SUSCEPTIBLE BROADLEAF WEEDS Apply to weeds 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.		
	1 1/2-2 pints/A	Fall seeded wheat, barley, oats and rye throughout the United States and spring seeded wheat, barley, oats and rye in Idaho, Oregon, Washington, Colorado, Wyoming and Montana. Apply to wheat, barley, oats and rye from the 3 leaf stage but before the crop reaches the boot stage.	SUSCEPTIBLE BROADLEAF WEEDS Apply to weeds up to the 4 leaf stage or 2 inches in height, whichever comes first. If weed forms rosette,'apply before weeds exceed 1 inch in diameter.		
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# WHEAT, BARLEY, OATS AND RYE BROMOX/MCPA 2-2 RECOMMENDATIONS

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	APPLICATION TIMING AND SPECIFIC COMMENTS					
PRODUCT	RATE	CROP	WEEDS			
	2 pints/A	Fall seeded wheat, barley, oats and rye throughout the United States and spring seeded wheat, barley, oats and rye in Idaho, Oregon, Washington, Colorado, Wyoming and Montana. Apply to wheat, barley, oats	Apply to henbit, knawel and mayweed up to the 4 leaf stage or 2 inches in height, whichever comes first. Apply to kochia and tansy mustard for improved control when these weeds exceed the			
		and rye from the 3 leaf stage but before the crop reaches the boot stage.	recommended stage of growth or are growing under cool, dry conditions.			
	1 - 1 1/2 pints/A	Spring seeded wheat and barley except Idaho, Oregon, Washington, Coloradc, Montana, and Wyoming. Apply to wheat, barley, oats and rye from the 3 leaf stage but before the crop reaches the boot stage.	MOST SUSCEPTIBLE AND SUSCEPTIBLE BROADLEAF WEEDS Apply to weeds that do not exceed 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 kochia up to 2 inches in height			
	1 1/2-2 pints/A	Spring seeded wheat and barley except Idaho, Oregon, Washington, Colorado, Montana, and Wyoming. Apply to wheat, barley, oats and rye from the 3 leaf stage but before the crop reaches the boot stage.	Apply to kochia that is 2-4 inches in height.			
	Chemigation only 2 pints/A	Apply to wheat, barley, oats and rye from the 3 leaf stage but 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.	Apply to MOST SUSCEPTIBLE and SUSCEPTIBLE broadleaf weeds up to the 4-leaf stage, 2 inches in height or 1 inch, in diameter, whicheyer comes first.			

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	APPLICATION TIMING AND SPECIFIC COMMENTS				
PRODUCT	RATE	CROP	WEEDS		
	Post- harvest 3/4 - 2 pints/A	Make applications following harvest of wheat, barley, oats and rye in the states of North Dakota, South Dakota, Minnesota, and Montana. Do not plant any rotational crop until the following use season.	Apply 3/4 to 1 pint/A to MOST SUSCEPTIBLE BROADLEAF WEEDS up to the 8 leaf stage or 4 inches in height, whichever comes first. Apply 1 1/2 to 2 pints/A to SUSCEPTIBLE BROADLEAF WEEDS up to the 4 leaf stage or 2 inches in height, whichever comes first. For control of both grasses and broadleaf weeds, tank mix BROMOX/MCPA 2-2 with Roundup' or Roundup + 2,4-D such as Weedone <sup>6</sup> or Weedar <sup>6</sup> brand herbicides.		

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# BROMOX/MCPA 2-2 TANK MIXTURE RECOMMENDATIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS		
		CROP	WEEDS	
BROMOX/MCPA 2-2 + Rhonox <sup>10</sup> (MCPA ester)	3/4 - 2 pints/A + 1/4 - 1/2 pint/A	Apply to spring seeded wheat, barley, oats and rye from tillering stage, but before boot stage.	For control of MOST SUSCEPTIBLE and SUSCEPTIBLE weeds and improved control of redroot pigweed and kochia. Apply to weeds up to the 8 leaf stage, 3 inches in height or 2 inches in diameter, whichever comes first. Apply to kochia and redroot pigweed up to 2 inches in height or diameter.	
BROMOX/MCPA 2-2 + Glean <sup>5</sup> + nonionic surfactant	3/4 - 1 1/2 pints/A + 1/6 - 1/3 oz/A +	Apply to wheat and barley from the 3 leaf stage but before the crop reaches the boot stage. Refer to Glean label for crop rotation and other restrictions.	This tank mix improves control of broadleaf weeds such as henbit, tanay mustard and chickweed: Apply to weeds up to the 8 leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.	

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PRODUCT APPLICATION TIMING AND SPECIFIC COMMENTS RATE CROP WEEDS 1/qt/100 qal of water BROMOX/MCPA 3/4 - 1Apply to wheat and This tank mix improves 1/2 control of broadleaf weeds 2-2 barley from the such as henbit, tansy 3 leaf stage but pints/A before the crop mustard and chickweed. + reaches the boot Apply to weeds up to the 8 Finesse⁵ stage. Refer to leaf stage, 4 inches in 1/6 - 1/3Finesse label for crop height or 2 inches in diameter, whichever comes rotation and other oz/A restrictions. first. nonionic surfactant 1 qt/100 gal of water BROMOX/MCPA 3/4 - 1Apply to wheat and This tank mix improves barley from the 2-2 1/2control of broadleaf weeds pints/A 3 leaf stage but such as henbit, tansy before the crop mustard and chickweed. reaches the boot Apply to weeds up to the 8 Ally⁵ stage. Refer to Ally leaf stage, 4 inches in label for crop height or 2 inches in 1/10 oz/A rotation and other diameter, whichever comes restrictions. first. + nonionic surfactant  $1 \, \text{qt} / 100$ qal of water BROMOX/MCPA 3/4 - 1Fall seeded wheat from This tank mix improves 2-2 1/2the 3 leaf stage but control of broadleaves such pints/A before jointing. as prostrate knotweed and Spring seeded wheat kochia. Apply to weeds up to the 8 leaf stage, 3 from the 3 to 5 leaf Banvel<sup>7</sup> stage of growth. inches in height or 2 1/8 - 1/4inches in diameter. DO NOT TREAT RYB WITH pint/A whichever comes first. BROMOX-MCPA 2-2 + Apply to kochia up to 2 BANVEL; ONLY FOR USE inches in height or ON WHEAT, BARLEY, AND diameter. OATS ..... ..., This tank mix improves BROMOX/MCPA 3/4 - 1Winter wheat. Apply control of broadleaf weeds 2-2 1/2from the 3 leaf stage but before the 3rd such as henbit, chickweed pints/A and redroot pigweed. Apply to weeds up to the 8 leaf stage, 4 inches in node is detectable. Refer to the Harmony Harmony Extra label for crop

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PRODUCT	PATE	APPLICATION TIMING AND SPECIFIC COMMENTS		
_		CROP	WEEDS	
Extra +	3/10 - 1/2 oz/A	rotation and other restrictions.	height or across, whichever comes first.	
nonionic surfactant	+ 1 gt/100 gal of water	Spring wheat and barley. Apply after the 3 leaf stage but before the 1st node is detectable. Refer to the Harmony Extra label for crop rotation and other restrictions.		
BROMOX/MCPA 2-2 + Amber <sup>3</sup> + nonionic surfactant	3/4 - 1 1/2 pints/A + 0.28 - 0.56 oz/A + 0.25% -	Apply to wheat and barley from the 3 leaf stage, but before the flag leaf is visible. Refer to the Amber 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.	
BROMOX/MCPA 2-2 + Express <sup>5</sup> + nonionic surfactant	0.5% v/v 3/4 - 1 1/2 pints/A + 1/6 - 1/3 oz/A + 1 qt/100 gal of water	Wheat and barley. Apply from the 3 leaf stage but before the flag is visible. Refer to the Express label for crop rotation and other restrictions.	This tank mix improves control of broadleaf weeds such as henbit, chickweed, redroot pigweed and suppression of Canada thistle. Apply to annual weeds up to the 8 leaf stage, 4 inches in height or across, whichever comes first and to Canada thistle 4 to 8 inches tall with 2 to 6 inches of new growth.	
BROMOX/MCPA 2-2 + Curtail <sup>4</sup> or Curtail M <sup>4</sup>	3/4 - 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 ',,,,' suppression of Canada thistle. Apply to annual broadleaf weeds up to the 8 leaf stage, 4 inches in height or 2 inches in diameter and to Canada thistle in the rosette to	
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PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS		
		CROP	WEEDS	
			prebud stage.	
BROMOX/MCPA 2-2 metribuzin (Sencor <sup>2</sup> or Lexone <sup>5</sup> )	1 pint/A + 1/8 - 3/15 1b ai/A	Winter wheat in Idaho, Oregon and Washington. Apply in spring after growth has started and secondary roots with a minimum of 3 to 4 tillers have been established, but before the forming of joints in the stem. Avoid application when crop has experienced winter kill, frost damage, disease or drought.	This tank mix improves control of broadleaf weeds such as chickweed, filaree, henbit. Apply to weeds up to the 4 leaf stage, 2 inches in height or diameter, whichever comes first. A recognized authority should be consulted concerning the use of this mixture in your area.	
BROMOX/MCPA 2-2 + Avenge <sup>1</sup>	1 - 2 pints/A + 2 1/2 - 4 pints/A	Winter wheat. Four leaf to tillering stage. Refer to Avenge label for varietal and other restrictions. Spring Wheat. Five to 5 leaf stage. Refer to Avenge label for varietal and other restrictions. Barley. Three to 7 leaf stage.	This tank mix will provide wild oat control in addition to broadleaves. Apply to wild oats in the 3-5 leaf stage and broadleaves that do not exceed the 4 leaf stage or rosettes of 1.5 inches in diameter. Average use rates per acre are 2 1/2 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.).	
BROMOX/MCPA 2-2 + Assert <sup>1</sup>	1 - 1 1/2 pints/A + 1 - 1 1/2 pints/A	Apply to wheat and barley from the 3 leaf stage but before boot stage. Refer to Assert label for crop rotation and other restrictions.	This tank mix will provide wild oat control in addition to broadleaf weeds. Apply to wild oats at the 1-4 leaf stage and broadleaf weeds up to the 8 leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first. Use Assert at 1 1/2 pints/A west of the Rocky Mountains or if wild oats have initiated tilloring. For spray volumes in excess of 10 GPA, add 0.3 fluid oz of nonionic surfactant for each gallon in excess of 10 GPA.	

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# RESTRICTIONS AND PRECAUTIONS: WHEAT, BARLEY, OATS AND RYE

- Do not graze treated fields within 45 days after application.
- Do not apply when crops are under moisture stress.
- Do not apply when crop canopy covers the weeds as poor control will result.
- 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 within 30 days following bromoxynil herbicide application.
- Do not apply more than 2 pints of BROMOX/MCPA 2-2 per acre in a single growing season.

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS		
		CROP	WEEDS	
BROMOX/ MCPA 2- 2	1 - 2 pints/ A	Apply to grasses from the 3 leaf stage.	Apply 1 pint/A to MOST SUSCEPTIBLE and 1 1/2-2 pints/A to SUSCEPTIBLE broadleaf weeds up to the 8 leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.	

# CONSERVATION RESERVE PROGRAM AREAS (CRP) BROMOX/MCPA 2-2 RECOMMENDATIONS

RESTRICTIONS AND PRECAUTIONS: CRP AREAS

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- Do not allow livestock to graze in treated areas or feed treated grass to livestock.
- If legumes are included in CRP area planting, severe injury may occur to legumes treated with BROMOX/MCPA 2-2.
- Do not plant rotational crops within 30 days following bromoxynil herbicide application.
- Do not apply more than 2 pints of BROMOX/MCPA 2-2 per acre in a single growing season.



# GRASSES GROWN FOR SEED PRODUCTION BROMOX/MCPA 2-2 RECOMMENDATIONS Seedling and Established Grasses

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	PER	PER	CROP	WEEDS
	ACRE	SQ. FT.		
BROMOX/ MCPA 2- 2	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 BROMOX/MCPA 2-2 include bentgrasses, Kentucky Bluegrass, Fescues, Ryegrass, Bermudagrass, St. Augustine grass and Zoysiagrass. BROMOX/MCPA 2- 2 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).
BROMOX/ MCPA 2- 2	Chemigation 2 pints/A 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 BROMOX/MCPA 2-2.	

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RESTRICTIONS AND PRECAUTIONS: GRASSES GROWN FOR SEED OR SOD PRODUCTION ,

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- Do not allow livestock to graze in treated areas or feed, treated grasses, forage, hay, straw, silage, or seed to livestock.
- Do not apply BROMOX/MCPA 2-2 to grasses grown for seed production with

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backpack or hand-held application equipment.

- The Restricted Entry Interval (REI) for harvesting sod farm turf is 12 days. The REI for other turf activities is 24 hours.
- Do not plant rotational crops within 30 days following bromoxynil herbicide application.
- Do not apply more than 2 pints of BROMOX/MCPA 2-2 per acre in a single growing season.

FLAX (*Linum usitatissimum* only) BROMOX/MCPA 2-2 RECOMMENDATIONS

PRODUCT	RATE	APPLICATION TIMING	ING AND SPECIFIC COMMENTS	
		CROP	WEEDS	
BROMOX/MCPA 2-2	0.9 pint/A	Apply to flax that is 2 to 8 inches in height. Do not apply BROMOX/MCPA 2-2 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.	

RESTRICTIONS AND PRECAUTIONS: FLAX (Linum usitatissimum only)

- Do not apply if temperatures are expected to exceed 85°F at or 3 days following application or crop injury may occur.
- Unacceptable crop injury may occur following BROMOX/MCPA 2-2 application to flax grown on high organic, peat type soils.
- Application under high humidity conditions can injure flax.
- Unless otherwise instructed, do not apply BROMOX/MCPA 2-2 with crop oil concentrate, surfactants or nitrogen solutions.
- Do not use on ornamental flax.
- Do not plant rotational crops within 30 days following bromoxynil herbicide application.
- Do not apply more than 0.9 pints of BROMOX/MCPA 2-2 per acre in a single growing season.

# LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; that the directions, warnings, and other statements on this label are based upon responsible experts' evaluation of reasonable',,tests of effectiveness, of toxicity to laboratory animals and to plants,, and of residues on food crops, and upon reports of field ',',',' experience. Tests have not been made on all varieties or in, all, states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INCENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY, CTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR, PURPOSE.' THIS

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WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

# LIMITED WARPANTY AND DISCLAIMER

The manufacturer warrants (a that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purpose set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions.

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<sup>7</sup>Registered trademark of BASF Corporation.
<sup>8</sup>Registered trademark of Novartis Crop Protection, Inc.
<sup>9</sup>Registered trademark of Monsanto Company.

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