BROMAC® ADVANCED

SELECTIVE HERBICIDE

FOR THE CONTROL OF CERTAIN BROADLEAF WEEDS IN WHEAT, BARLEY, OATS AND RYE, GRASSES GROWN FOR SEED AND SOD PRODUCTION, AND FLAX.

ACTIVE INGREDIENTS:
- Octanoic acid ester of bromoxynil* (3,5-dibromo-4-hydroxybenzonitrile) .............. 18.7%
- Heptanoic acid ester of bromoxynil* (3,5-dibromo-4-hydroxybenzonitrile) .............. 18.1%
- 2-ethylhexyl ester of MCPA** ........................................... 40.0%
- OTHER INGREDIENTS: .......................................................... 23.2%

TOTAL 100.0%

Contains petroleum distillates.
* Equivalent to or not less than 2.5 pounds bromoxynil per gallon.
** Equivalent to or not less than 2.5 pounds MCPA acid per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION / PRECAUCIÓN

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.)

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 34704-1052
EPA EST. NO. 228-IL-001
NET CONTENTS 2.5 GAL (9.46 L)

FORMULATED FOR
LOVELAND PRODUCTS, INC., P.O. BOX 1286, GREELEY, COLORADO 80632-1286
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION / PRECAUCIÓN**

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or chewing tobacco. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are barrier laminate, butyl rubber, nitrile rubber, or viton.

Miners, loaders, applicators, flaggers and other handlers must wear:
• Long-sleeved shirt and long pants.
• Shoes plus socks, and
• Chemical-resistant gloves.

In addition to the above, mixers, loaders and cleaners must wear:
• A chemical resistant apron.
• Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.

See engineering controls for additional requirements.

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.

**Engineering Controls Statements:** If you will handle a total of 48.0 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 30.0 gallon or larger container, 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, 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.

**Enclosed Cockpits Engineering Controls:** Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 1 70.240(d)(6)].

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.

**APPLICATION:** Aerial application is prohibited within 300 feet of residential areas (e.g., homes, schools, playgrounds, shopping areas, hospitals, 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.

**FIRST AID**

If swallowed:
• Call a poison control center or doctor immediately for treatment advice.
• Do not give any liquid to the person.
• Do not induce vomiting unless told to do so by the poison control center or doctor.
• Do not give anything by mouth to an unconscious person.

If on skin or clothing:
• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15 to 20 minutes.
• Call a poison control center or doctor for treatment advice.

If in eyes:
• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
• 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 by mouth-to-mouth, if possible.
• Call a poison control center or doctor for further 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.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL 1-866-944-8565.

NOTE TO PHYSICIAN: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

**PRECAUTIONARY STATEMENTS**

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION / PRECAUCIÓN

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or chewing tobacco. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are barrier laminate, butyl rubber, nitrile rubber, or viton.

Miners, loaders, applicators, flaggers and other handlers must wear:
• Long-sleeved shirt and long pants.
• Shoes plus socks, and
• Chemical-resistant gloves.
USER SAFETY RECOMMENDATIONS

Users should:
• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
• 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 fish and wildlife, and may be toxic to aquatic invertebrates and aquatic plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinseate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

PHYSICAL AND CHEMICAL HAZARDS
Combustible. Do not use or store near heat or open flame.

NOTICE: This product contains low volatile isooctyl 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 this product.

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 and pets, 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 statement 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 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.

Agricultural Use Requirements cont’d.: PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
• Coveralls,
• Chemical-resistant gloves made of any waterproof material, and
• Protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only apply to use of this product on non-residential turfgrass areas 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 enter or allow others to enter the treated area until sprays have dried.

PRODUCT INFORMATION

This product is formulated as an emulsifiable concentrate of octanoic acid and heptanoic acid esters of bromoxynil containing the equivalent of 2.5 pounds of bromoxynil per gallon and 2.5 pounds per gallon of isooctyl ester of MCPA.

This product is a selective postemergence herbicide for control of important broadleaf weeds infesting wheat, barley, oats, rye, flax, and grass grown for sod. Optimum weed control is obtained when this product is applied to actively growing weed seedlings. This product is primarily a contact herbicide, therefore thorough coverage of the weed seedlings is essential for optimum control.

This product 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.

Occasional transitory leaf burn may occur. The temporary leaf burn is similar to that seen with liquid fertilizer. Because the activity of this product 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 listed spray volumes per acre when weather conditions are not extreme.

Restriction: For crops on this label or crops with an established MCPA tolerance, there is a 30 day PBI (Plantback Interval). For all other crops, there is a 60 day PBI.

MIXING, LOADING AND HANDLING INSTRUCTIONS

Take special care in mixing and loading this product. Hands should be placed on the container in such a way as to avoid possible drip or splash.
This product alone: Fill the spray tank 1/2 to 3/4 full with clean water. Begin directly to the mixing or spray tank.

System must be used to rinse the empty container and to transfer the rinsate 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.

This product alone: Fill the spray tank 1/2 to 3/4 full with clean water. Begin agitation and add the specified amount of this product. Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure uniform spray mixture during application.

Tank mixtures: This product may be tank-mixed with other pesticide products 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. This product cannot be mixed with any product containing a label prohibition against such mixing.

This product 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 this product in mixture with another product, fill the spray tank 1/2 to 3/4 full with clean water and begin agitation. If tankmixing with wettable powder, soluble powder, flowable or dry flowable products, add the powder or flowable product first. After the other herbicide is thoroughly mixed with water add the specified amount of this product and add water to the spray tank to the desired level. If tankmixing with other product types, add this product first before adding the other product. Always mix one product in water thoroughly before adding another product or compatibility problems may occur.

Maintain sufficient agitation while mixing and during application to ensure 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 the most restrictive of the labeling limitations and precautions of all products used in the tank mixture.

Sprayable liquid fertilizers and spray additives

This product can be applied in combination with sprayable liquid fertilizer or spray additives such as surfactants or crop-oil concentrate. When tankmixing with liquid fertilizer always add the fertilizer to the spray tank first and agitate thoroughly before adding this product. 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 this product is evenly mixed with the fertilizer. Leaf burn may occur when this product 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 this product. Do not apply fertilizers or spray additives with this product if leaf burn is a major concern due to environmental conditions, crop or variety sensitivity to this product. If this product is mixed with liquid fertilizer, the fertilizer should compose no more than 1/2 the total spray mix.

Application procedures

This product can be applied to registered use areas by ground, aerial and sprinkler irrigation equipment.

Ground application

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 spaced no more than 20 inches on the boom with a spray pressure of 40 to 50 psi. Nozzle types, nozzle spacings 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 this product may be reduced. A spray volume of 10.0 to 20.0 gallons per acre (GPA) is required for optimum spray coverage. A maximum ground speed of 10 mph is suggested. Ground applications made when dry, dusty field conditions exist may provide reduced weed control in wheel track areas. Applications using less than 10.0 gallons per acre may result in reduced weed control.

When weed infestations are heavy, use of higher spray volumes will be helpful in obtaining uniform weed coverage. If you are unsure of the infestation level or size of crop, consult your local agronomist or extension service. Do not apply when winds are gusty or when other conditions favor poor spray coverage and/or target spray movement.

Aerial application

Use orifice discs, cores and nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage. A minimum spray volume of 5 GPA and a maximum pressure of 40 psi. A minimum spray volume of 3.0 gallons per acre may be used if crop canopy and weed density allow adequate spray coverage. Aerial applications using less than 5.0 gallons of spray volume per acre may result in reduced weed control.

Do not apply during inversion conditions, when winds are gusty or when other conditions favor poor spray coverage and/or 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

This product can be applied through sprinkler irrigation systems to wheat, barley, oats, rye and grasses grown for seed. Apply this product through sprinkler systems including center pivot, lateral move, side (wheel) roll, solid set or hand move irrigation systems only. If hand moved...
CHEMIGATION USE RESTRICTIONS AND PRECAUTIONS

Application of more than 0.5 inch per minute 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 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 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 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 or when nozzles do not provide uniform distribution.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles. Apply only when the wind speed is 2 to 10 mph at the application site. Additional requirements for aerial applications: The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at height greater than 4 feet above the crop canopy. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downhill edge of the application area by adjusting the path of the aircraft upwind. Do not make applications into temperature inversions.

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 the 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 formulation.

1. Distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or 90% of 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 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: (This section is advisory in nature and does not supersede the mandatory label requirements.) 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 below).

CONTROLLING DROPLET SIZE: (This section is advisory in nature and does not supersede the mandatory label requirements.)

- **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: (This section is advisory in nature and does not supersede the mandatory label requirements.)

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

APPLICATION HEIGHT: (This section is advisory in nature and does not supersede the mandatory label requirements.)

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: (This section is advisory in nature and does not supersede the mandatory label requirements.)

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

WIND: (This section is advisory in nature and does not supersede the mandatory label requirements.)

Drift potential is lowest between wind speeds of 2 to 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: (This section is advisory in nature and does not supersede the mandatory label requirements.)

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: (This section is advisory in nature and does not supersede the mandatory label requirements.)

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 this product will control the following weeds when sprayed in the seedling stage. Maximum weed stage of growth is listed.

**MOST SUSCEPTIBLE BROADLEAF WEED SPECIES**

- Annual sowthistle (Sonchus oleraceus)
- Black mustard (Brassica nigra)
- Common cocklebur (Xanthium strumarium)
- Common lambsquarters (Chenopodium album)
- Common tarweed (Rencocia congesta)
- Cow cockle (Saponaria vaccaria)
- Cutleaf nightshade (Solanum ptycanthum)
- Eastern black nightshade (Solanum ptycanthum)
- Field fiddleneck (Amsinckia intermedia)
- Field pennycress (Thalipsis arvensis)
- Green smartweed (Polygonum scabrum)
- Horned poppy (Glaucium corniculatum)
- Jimsonweed (Datura stramonium)
- Lady’s mantle (Alchemilla mollis)
- Lanceleaf sage (Salvia limifolia)
- London rocket (Sisymbrium irio)
- March elder (Iva xanthifolia)
- Pennsylvania smartweed (Polygonum straminum)
- Pepperweed spp. (Lepidium spp.)
- Redroot pigweed (Amaranthus retroflexus)
- Russian thistle (Salsola kali)
- Shepherdspurse (Capsella bursa-pastoris)
- Silverleaf nightshade (Solanum elaeagnifolium)
- Sunflowers¹ (Helianthus annuus)
- Tall Waterhemp (Amaranthus tuberculatus)
- Tartery buckwheat (Fagopyrum tataricum)
- Tumble mustard (Sisymbrium altissimum)
- Wild buckwheat (Polygonum convolvulus)
- Wild mustard (Sinapis arvenensis)
- Yellow rocket (Barbarea vulgaris)

¹For control of sunflower, delay application until first sunflower seedlings emerging are 4 inches in height.
WEED SUPPRESSION
Canada thistle (Cirsium arvense)
This product 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. Refer to the tank mix instructions on this label for optimum suppression options.

SUSCEPTIBLE BROADLEAF WEED SPECIES

| Blue (purple) mustard (Chorispora tenella) | Mayweed (Anthemis cotula) |
| Common groundsel (Senecio vulgaris) | Prostrate knotweed (Polygonum aviculare) |
| Common ragweed (Ambrosia artemisiifolia) | Puncturevine (Tribulus terrestris) |
| Corn chamomile (Anthemis arvensis) | Redroot pigweed (Amaranthus retroflexus) |
| Corn grosnwell (Lithospermum arvense) | Smooth pigweed (Amaranthus hybridus) |
| Fumitory (Fumaria officinalis) | Spiny pigweed (Amaranthus spinosus) |
| Giant ragweed (Ambrosia trifida) | Tall morningglory (Ipomoea purpurea) |
| Hemp sesbania (Sesbania maxima) | Tall waterhemp (Amaranthus tuberculatus) |
| Henbit (Lamium amplexicaule) | Tansy mustard (Descurainia pinnata) |
| Ivy leaf morningglory (Ipomoea hederacea) | Tarweed (Hemizonia spp.) |
| Koawal (Scleranthus annuus) | Velvetleaf (Abutilon theophrasti) |
| Kochia (Kochia scoparia) | Wild radish (Raphanus raphanistrum) |

Weeds germinating after spraying will not be controlled.

### WHEAT, BARLEY, OATS AND RYE

**APPLICATION RATES**

<table>
<thead>
<tr>
<th>Pts/A</th>
<th>Ft Gals/A</th>
<th>A/Gal</th>
<th>Crop</th>
<th>Weeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/5</td>
<td>12.8</td>
<td>10.0</td>
<td>Fall seeded wheat, barley, oats and rye throughout the United States and spring seeded wheat, barley, oats and rye in ID, OR, WA, CO, WV and MT. Apply to wheat, barley, oats and rye from the 3-leaf stage but before the crop reaches the boot stage.</td>
<td>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.</td>
</tr>
</tbody>
</table>

| 1 1/5 to 1 3/5 | 19.2 to 25.6 | 6.7 to 5.0 | 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 above listed stage of growth or are growing under cool, dry conditions. |

| 1 3/5 | 25.6 | 5.0 | Apply to kochia up to 2 inches in height. |

| 4/5 to 1 1/5 | 12.8 to 19.2 | 10.0 to 6.7 | Spring seeded wheat and barley except ID, OR, WA, CO, MT and WV. 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. |

<p>| 1 1/5 to 1 3/5 | 19.2 to 25.6 | 6.7 to 5.0 | Spring seeded wheat and barley except ID, OR, WA, CO, MT, and WV. 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 to 4 inches in height. |</p>
<table>
<thead>
<tr>
<th>APPLICATION RATES</th>
<th>Coverage</th>
<th>APPLICATION TIMING AND SPECIFIC COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pts/A</strong></td>
<td><strong>Fl Ozs/A</strong></td>
<td><strong>A/Gal</strong></td>
</tr>
<tr>
<td>Chemigation Only</td>
<td>25.6</td>
<td>5.0</td>
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<tr>
<td>Post-harvest</td>
<td>9.6 to 25.6</td>
<td>13.3 to 5.0</td>
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### WHEAT, BARLEY, OATS AND RYE TANK MIXTURE INSTRUCTIONS

<table>
<thead>
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<tbody>
<tr>
<td><strong>Pts/A</strong></td>
<td><strong>Fl Ozs/A</strong></td>
<td><strong>A/Gal</strong></td>
</tr>
<tr>
<td>Bromac® Advanced + MCPA ester</td>
<td>9.6 to 25.6</td>
<td>1.6 to 5.0</td>
</tr>
<tr>
<td>Bromac Advanced + Starane® 2,4-D ester</td>
<td>9.6 to 25.6</td>
<td>1.6 to 5.0</td>
</tr>
<tr>
<td>Bromac Advanced + Starane® 2,4-D ester</td>
<td>9.6 to 25.6</td>
<td>1.6 to 5.0</td>
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<tr>
<td>Bromac Advanced + Dicamba</td>
<td>9.6 to 19.2</td>
<td>1.6 to 5.0</td>
</tr>
<tr>
<td>Product</td>
<td>Pts/A</td>
<td>Fl Oz/A</td>
</tr>
<tr>
<td>---------</td>
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</tr>
<tr>
<td>Bromac Advanced + Glean® (Refer to Glean label for adjuvant instructions.)</td>
<td>3/5 to 1 1/5</td>
<td>9.6 to 19.2</td>
</tr>
<tr>
<td>Bromac Advanced + Finesse® (Refer to Finesse label for adjuvant instructions.)</td>
<td>3/5 to 1 1/5</td>
<td>9.6 to 19.2</td>
</tr>
<tr>
<td>Bromac Advanced + Ally® (Refer to Ally label for adjuvant instructions.)</td>
<td>3/5 to 1 1/5</td>
<td>9.6 to 19.2</td>
</tr>
<tr>
<td>Bromac Advanced + Peak® (Refer to Peak label for adjuvant instructions.)</td>
<td>3/5 to 1 1/5</td>
<td>9.6 to 19.2</td>
</tr>
<tr>
<td>Bromac® Advanced + Harmony® or Harmony GT (Refer to Harmony or Harmony GT label for adjuvant instructions.)</td>
<td>3/5 to 1 1/5</td>
<td>9.6 to 19.2</td>
</tr>
<tr>
<td>Bromac Advanced + Amber® (Refer to Amber label for adjuvant instructions.)</td>
<td>3/5 to 1 1/5</td>
<td>9.6 to 19.2</td>
</tr>
</tbody>
</table>
### Application Rates and Specific Comments

<table>
<thead>
<tr>
<th>Product</th>
<th>Pts/A</th>
<th>fl ozs/A</th>
<th>Crop</th>
<th>Weeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromac Advanced®</td>
<td>3/5 to 1 1/5</td>
<td>9.6 to 19.2</td>
<td>Winter wheat in ID, OR and WA. Apply in spring after growth has started and secondary 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.</td>
<td></td>
</tr>
<tr>
<td>Express®</td>
<td>Refer to label</td>
<td></td>
<td>Wheat and barley. Apply from the 3-leaf stage but before the crop reaches the boot stage. Refer to the Express label for crop rotation and other restrictions.</td>
<td></td>
</tr>
<tr>
<td>Curtail® or Curtail M</td>
<td>3/5 to 1 1/5</td>
<td>9.6 to 19.2</td>
<td>Apply to wheat and barley after the crop begins to tiller up to the 1st node detectable.</td>
<td></td>
</tr>
<tr>
<td>Metribuzin</td>
<td>4/5</td>
<td>Refer to label</td>
<td>Winter wheat in ID, OR and WA. Apply in spring after growth has started and secondary 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.</td>
<td></td>
</tr>
<tr>
<td>Puma®</td>
<td>Refer to label</td>
<td></td>
<td>For use on winter wheat only in the states of WA, OR, and Northern ID.</td>
<td></td>
</tr>
<tr>
<td>Discover®</td>
<td>3/5 to 1 3/5</td>
<td>9.6 to 25.6</td>
<td>Refer to the Discover label for proper rates, crops, adjuvants, rotation restrictions and application timing information. Increase the rate of Bromac Advanced as the broadleaf weed size increases. Use minimum spray volume of 10.0 GPA by ground and 5.0 GPA by air.</td>
<td></td>
</tr>
<tr>
<td>Everest®</td>
<td>4/5</td>
<td>Refer to label</td>
<td>Refer to the Everest label for proper rates, crops, adjuvants, rotation restrictions and application timing information.</td>
<td></td>
</tr>
<tr>
<td>Maverick®</td>
<td>4/5 to 1 3/5</td>
<td>12.8 to 25.6</td>
<td>Refer to the Maverick label for proper rates, crops, adjuvants, rotation restrictions and application timing information.</td>
<td></td>
</tr>
</tbody>
</table>

### Restrictions and Precautions

**Restrictions:** Wheat, Barley, Oats and Rye
- Do not spray grain in the boot to dough stage.
- Do not graze treated fields within 45 days after application.
- Do not apply more than 1.6 pts of this product/A in a single growing season.
- For crops on this label or crops with an established MCPA tolerance, there is a 30-day PBI. For all other crops, there is a 60-day PBI.
- Do not apply more than 0.75 lbs AI/Ayr of MCPA.

**Precautions:** Wheat, Barley, Oats and Rye
- 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.
Grasses Grown for Seed or Sod Production

**Bromac Advanced Instructions**

### Application Rates, Application Timing, and Specific Comments

<table>
<thead>
<tr>
<th>Application Rates</th>
<th>0.7 lbs/A</th>
<th>11.0 fl oz/A</th>
<th>11.0 fl oz/l gal</th>
<th>Crop</th>
<th>Weeds</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pts/A</strong></td>
<td>85 to 1 3/5</td>
<td>0.6 fl oz</td>
<td>Apply to established and newly seeded grasses grown for sod production before the boot stage. Established grasses tolerant to this product include bentgrasses, Kentucky bluegrass, fescues, ryegrass, Bermuda grass, St. Augustine grass and zoysiagrass. This product may also be used on seedling grasses such as Merion, Park, Delta or common Kentucky bluegrasses, Pennlawn, Chewings, Ilhau or Alta fescues, Orchard grass, Highland, Seaside or Aztolita bentgrasses, perennial ryegrasses, bahiagrass and zoysiagrass.</td>
<td>Refer to the General Weed List for a listing of susceptible for sod production. For established grasses, 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).</td>
<td></td>
</tr>
<tr>
<td><strong>Chemigation only</strong></td>
<td>1.5 lbs/A</td>
<td>0.6 fl oz</td>
<td>Apply to established and newly seeded grasses grown for 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.</td>
<td>Refer to the list of established grasses that are tolerant to this product.</td>
<td></td>
</tr>
</tbody>
</table>

**Restrictions:** Grasses grown for seed or sod production

- Do not allow livestock to graze in treated areas or feed treated grasses to livestock.
- Do not apply this product to grasses grown for seed or sod production with backpack or hand-held application equipment.
- Do not apply more than 1.6 pts of this product/A in a single growing season.
- For crops on this label or crops with an established MCPA tolerance, there is a 30-day PBI. For all other crops, there is a 60-day PBI.
- Do not apply more than 1.5 lbs AI/A/yr of MCPA from all combined sources.
- Do not apply more than 2 applications/yr with a minimum retreatment interval of 21 days. Do not exceed 1.6 pints of this product per acre per growing season.

**Flax (Linum usitatissimum only)**

### Application Rates, Application Timing, and Specific Comments

<table>
<thead>
<tr>
<th>Application Rates</th>
<th>0.7 lbs/A</th>
<th>11.0 fl oz/A</th>
<th>11.0 fl oz/l gal</th>
<th>Crop</th>
<th>Weeds</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pts/A</strong></td>
<td>0.7 lbs/A</td>
<td>11.0 fl oz</td>
<td>Apply to flax that is 2 to 8 inches in height. Do not apply this product to flax during or after the bud stage.</td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

**Restrictions and Precautions:**

**Restrictions:** Flax (Linum usitatissimum only)

- Do not use on ornamental flax.
- Do not apply more than 0.72 pt of this product/A in a single growing season.
- For crops on this label or crops with an established MCPA tolerance, there is a 30-day PBI. For all other crops, there is a 60-day PBI.
- Do not apply more than 0.25 lb AI/yr of MCPA.

**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 product application to flax grown on high organic, peat type soils.
- Application under high humidity conditions can injure flax.
- Unless otherwise instructed, do not apply this product to flax with crop oil concentrate, surfactants or nitrogen solutions.
**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store at temperatures below 100 °F if allowed to freeze. Trim and clean 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 HANDLING:**

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrcycle.org. If not recycled, then puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

For packages up to 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment in a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For packages greater than 5 gallons and less than 50 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. 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 twice more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For packages greater than 50 gallons: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. For refillable containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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

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