



STATE OF HAWAII  
Department of Agriculture

**ACCEPTED**

LICENSE NO. **9805.75**

# MCPA-4 AMINE

For selective post-emergent control of many broadleaf weeds in  
barley, flax, oats, peas, rye and wheat, established grasslands  
and non-crop areas.

**ACTIVE INGREDIENT:**

Dimethylamine Salt of 2-Methyl-4-  
Chlorophenoxyacetic Acid\* ..... 48.58%

**OTHER INGREDIENTS:** ..... 51.42%

**TOTAL:** ..... 100.00%

Isomer Specific AOAC Method, Equivalent to:

\*2-Methyl-4-Chlorophenoxyacetic Acid .....39.67%, 3.7 lbs./gal.

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER / PELIGRO**

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

For Chemical Spill, Leak, Fire, or  
Exposure, Call CHEMTREC  
(800) 424-9300

For Medical Emergencies Only,  
Call (877) 325-1840

EPA Reg. No. 228-143  
EPA Est. No. 228-IL-1

Manufactured for  
Nufarm Americas Inc.  
150 Harvester Drive  
Burr Ridge, IL 60527





**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER / PELIGRO**

Corrosive, causes irreversible eye damage. Do not get in eyes, on skin, or clothing. Avoid inhalation of spray mists. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with eyes, skin, and clothing. Wear goggles, face shield or safety glasses.

**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 A on an EPA chemical-resistance category selection chart.

**Mixers, loaders, applicators, flaggers, and other handlers must wear:**

- Long-sleeved shirt and long pants
- Protective eyewear (goggles, face shield or safety glasses)
- Shoes plus socks, and
- Chemical-resistant gloves made of any waterproof materials when mixing, loading, or using any hand-held equipment.
- Mixers/Loaders supporting aerial application 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. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls Statements:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

**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.

**FIRST AID**

<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.





## ENVIRONMENTAL HAZARDS

This pesticide may be toxic to fish, 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 rinsate. 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.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its label. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

### AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks and protective eyewear.

### NON-AGRICULTURAL USE REQUIREMENTS

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

Do not enter treated areas until sprays have dried.

## GENERAL INFORMATION

MCPA is effective on a large number of broadleaf weeds and is useful for controlling these weeds in certain crops. Several crops, such as flax, oats, and small grains underseeded to legumes, are more tolerant of MCPA than they are of 2,4-D. Crop varieties vary in response to MCPA, and some may be easily injured. Apply this product only to varieties known to be tolerant to MCPA. Injury to crops may occur from this pesticide. If you are not prepared to accept some degree of crop injury, do not use this product. If you are uncertain concerning tolerant varieties or local use situations that may affect crop tolerance to MCPA, contact your seed company or State Agricultural Extension Service for advice.

**NOTE:** Adding oil, wetting agent or other surfactant to the spray may reduce selectivity to crops, possibly resulting in crop injury.

## GENERAL PRECAUTIONS

Do not apply more than twice per year for all applications listed in this label. Also, the minimum retreatment interval is 21 days.

## SPRAY DRIFT MANAGEMENT

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

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

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 a height greater than 10 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 downwind edge of the application area by adjusting the path of the aircraft upwind.

Do not make applications into temperature inversions.

Mixers and loaders must wear a chemical resistant apron when supporting range lands, pasture lands, or non cropland.





## WEEDS CONTROLLED

This product is effective on a large number of broadleaf weeds. On Mustard, Thistle, and White top or Hoary cress, it has superiority over 2,4-D. The following are some of the weeds killed:

Beggartick	Galinsoga	Pigweed	Thornapple
Bindweed	Goatsbeard	Plantain	Tree-of-heaven
Burcucumber	Goldenrod	Poison hemlock	Vetch
Burdock	Halbertleaved salt bush	Prickly lettuce	White top
Buttercup	Hempnettle	Puncturevine	Whitebrush
Canada thistle	Hoary cress	Purslane	Wild carrot
Carpetweed	Honeysuckle	Ragweed	Wild gooseberry
Catsear	Jimsonweed	Red root	Wild jute
Cocklebur	Knotweed	Redstem	Wild marigold
Corn cockle	Kochia	Shepherdspurse	Wild petunia
Croton (goatweed)	Lambsquarter	Sicklepod	Wild radish
Daisy	Marshelder	Small plantain	Wild sage
Dandelion	Mexican poppy	Sneezeweed	Witchweed
Dock	Mustard	Sow thistle	Yellow charlock-mustard
Dragonhead mint	Narrow leaf plantain	Spanish needle	Yellow daisy
Dwarf nettle	Nutgrass	Stinging nettle	Yellow rocket
Fat hen	Pennycress	Stinkweed	
Fennel	Pepperweed	Sunflower	
Field bindweed	Perennial morningglory	Thistle	

## SELECTIVE SPRAYING

**NOTE:** When using on flax, grain, grasslands, and pastures - do not forage or graze dairy and meat animals on treated areas within seven days of slaughter and/or treatment.

### BARLEY, OATS, RYE AND WHEAT

**Not underseeded with legumes** - Apply as a water mix spray by ground sprayer or airplane. Use 1/2 to 1 pint per acre for the more susceptible weeds after crop has reached the 3 to 4 leaf stage up to boot stage. Use up to 3 pints per acre for less susceptible weeds after crop has tillered and up to early boot stage. Do not spray from boot to dough stage.

**Underseeded with legumes** - Alfalfa, Alsike, Birdsfoot Trefoil, Lespedeza, Red and White clover: For emergency control of serious infestations of Mustard, Yellow rocket and other susceptible broadleaf weeds, apply 1/4 to 1/2 pint per acre. The 1/4 to 1/2 pint per acre rate can produce injury to legumes. **Balance the severity of your weed problem against the possibility of crop damage.**

Make application after cereal is well tillered in the 4-leaf stage (4 to 8 inches tall) when legumes are 2 to 3 inches tall. **Do not spray grain in the boot to dough stage.** The nurse crop and weeds should provide a protecting canopy which, together with the use of low gallonage applied at low pressure, will reduce the risk of damage to the legumes. Do not apply to small grains underseeded with Sweet clover or Vetch, which are very susceptible. There is a definite risk to other legumes if only thinly protected by a canopy.

When applying to small grains use a minimum of 10 gallons of water per acre for ground application and at least 2 gallons of total spray per acre for aerial application.

### RESTRICTIONS AND LIMITATIONS FOR USE ON CEREAL GRAINS

Do not apply more than 1.6 pints (0.75 lbs. a.e.) per acre per year for barley, oats, rye, and wheat.

**EMERGENCY CONTROL IN WHEAT** - Use 1.6 pints per acre for perennial broadleaf weeds. Apply when weeds are approaching bud stage, **but do not spray grain in the boot to dough stage.** The 1.6 pints per acre application can produce injury to wheat. **Balance the severity of your weed problem against the possibility of crop damage.** Where perennial weeds are scattered, spot treatment is suggested to minimize the effect of crop injury.

### FLAX

Use 1/4 to 1/2 pint of this product in 5 to 20 gallons of water per acre by ground equipment and at least 2 to 5 gallons of water per acre by air. Apply only when weeds are up and when flax is 2 to 8 inches high and before it comes into bud stage. Treatment after early bud stage may result in severe damage. If Canada thistle is present, it may be necessary to go as high as 1/2 pint per acre to prevent seed head production. Some injury to the flax may result.

### RESTRICTIONS AND LIMITATIONS FOR USE ON FLAX

The maximum application rate for flax is 0.54 pint of product (0.25 lb ae) per year.

### CANNING PEAS FOR USE IN THE PACIFIC NORTHWEST ONLY

Use this product at 1/4 to 3/4 pint per acre. Apply in at least 2 to 10 gallons of total spray for aerial application and 5 to 30 gallons of water for ground equipment. Apply to peas after the 3 node stage and before the first pea flowering. Use when peas are 4 to 6 inches tall. Do not apply during bloom period of crop. To control Canada thistle, use 1/2 to 3/4 pint per acre. Peas may be injured somewhat at the higher rate of application, but if Thistle growth is heavy, control will more than compensate for injury to peas. Do not spray peas that are stressed from lack of moisture or when temperatures are over 90°F. Do not graze treated fields or feed treated vines to livestock.





#### **RESTRICTIONS AND LIMITATIONS FOR USE ON PEAS**

The maximum application rate for peas is 1.6 pints of product (0.75 lb ae) per year.

#### **WEED CONTROL IN ESTABLISHED RED CLOVER FOR USE IN THE PACIFIC NORTHWEST ONLY; ALSO FOR ALFALFA**

For control of Yellow rocket and other susceptible annual weeds such as Fanweed or Pennycress, use 1 pint per acre of this product. Only use 1/2 pint per acre on new stands after Clover has two or more true leaves. Old stands of Red clover may be retarded by application of MCPA. Apply in late Fall following frosts when the legumes are dormant before active growth starts. The temperature at the time of spraying should be above 40°F.

#### **RESTRICTIONS AND LIMITATIONS FOR USE ON CLOVER AND ALFALFA**

The maximum application rate for clover and alfalfa is 1.1 pints of product (0.52 lb ae) per year.

#### **FALLOW LANDS**

For control of susceptible weeds in fallow lands, use 6 pints of product per acre in enough water to give sufficient coverage. Do not plant any crop for 3 months after treatment or until chemical has disappeared from soil.

#### **RESTRICTIONS AND LIMITATIONS FOR USE ON FALLOW LANDS, RANGE AND TIMBERLANDS, SOD FARMS, GRASS GROWN FOR SEED, LAWNS, NON-CROP SPRAYING AREAS, GRASSLAND, PASTURE, and BROADCAST TREATMENT OF RIGHT-OF-WAY.**

Do not apply more than 3.2 pints of product (1.5 lb ae) per year .

#### **RANGE AND TIMBER LANDS**

**For control of Whitebrush** - Use 1-1/4 quarts and sufficient water to make 8 gallons of solution per acre. To increase effectiveness, 1 gallon of diesel oil may be added after MCPA has been diluted. Diesel oil must be added with agitation. Spray mixtures with diesel oil must be kept agitated during spraying to avoid separation in the tank. Apply in spring or fall under good moisture conditions, full leaf, before blossoms begin to fall.

#### **GRASSES**

**Grasses Grown for Seed** - Use 2 to 3.2 pints per acre in 2 to 120 gallons of water by air or ground sprayer application. Use higher rate where weed stands are heavy. In established grasses apply in spring before head comes into boot stage and on seedling grass after grass has tillered.

**NOTE:** For weed control in grasses, repeat treatment may be needed for less susceptible weeds. White clover and other legumes may be temporarily injured or killed. In some areas, bent, buffalo, carpet, centipede, dichondra and St. Augustine grasses may also be injured by the treatment.

#### **RESTRICTIONS AND LIMITATIONS FOR USE ON GRASSES GROWN FOR SEED**

Do not apply more than 3.2 pints of product (1.5 lb ae) per acre per year. Do not apply more than 2 applications per year with a minimum retreatment interval of 21 days.

**NON-CROP SPRAYING: Canada thistle, White top and Meadow buttercup** - (In Non-Crop Areas such as Roadsides, Fence rows, Rights-of-way and similar places): Use 6 pints of product per acre in enough water to give sufficient coverage.

**SPOT TREATMENT: For weed control in pastures, rangelands and in non-crop areas such as farmyards, fencerows, roadsides, and shelterbelts:** Use 1/4 pint to 3 to 4 gallons of water or 3/4 gallon per acre in 12 to 20 gallons of water to control weeds such as Canada thistle, Whitetop, Meadow buttercup, and Texas blueweed giving coverage for most extensive areas. Spray to wet weeds thoroughly when in bud to early bloom and again on fall regrowth.

#### **RESTRICTIONS AND LIMITATIONS FOR SPOT TREATMENTS**

Do not apply more than 6.4 pints of product (3 lbs ae) per year for spot treatment of non cropland right-of-way.

**Established Grassland and Pastures** - Use 1 to 4 pints per acre in sufficient water (2 to 120 gallons) in airplane or ground sprayer application and give thorough coverage. Use higher rate for White top, Canada thistle and other hard-to-kill weeds; spray perennials in early bud to full bloom stage and regrowth in fall. Other weeds in spring or fall.

**Established Lawns, Golf Courses and Similar Turf Grasses** - Use 1 to 4 pints per acre in 10 to 120 gallons of water to give thorough coverage. Use higher rate for White top and Canada thistle. On smaller areas, use 1 fluid ounce (4 tablespoonfuls) mixed in 1 to 3 gallons of water and apply uniformly over 1,000 square feet. Do not exceed specified application dosages for any area. Avoid applying during excessively dry or hot periods unless irrigation (watering) is used before treatment. For best results, do not apply if rainfall is expected within 48 hours, nor should lawns be irrigated for 48 hours following application. For optimum results, turf should not be mowed for 1 to 2 days before and after application. Reseed no sooner than 3 to 4 weeks after application of this product. Spring and fall are best times to treat. Do not use on lawns or creeping grasses, such as bent, except for spot spraying, nor on freshly-seeded turf until the grass has become well established, usually after the third mowing.

#### **RESTRICTIONS AND LIMITATIONS FOR USE ON GOLF COURSES**

The maximum application rate for the golf course is 3.2 pints of product (1.5 lbs ae) /acre per year.





## TANK MIXES

Read and follow the manufacturer's label recommendation of each tank mix product used for precautionary statements, directions for use, geographic and other restrictions. If these recommendations conflict with this product label, do not use as a tank mix with this product. All intended tank mix combinations should be used only in recommended areas on the same broadcast weed species found on both labels. For application methods and other use specifications, use the most restricted limitations from labeling of both products.

This product may be tank mixed with **Harmony**® for selective post-emergence control of certain weeds on Barley and Wheat. Use this product at a rate of 1/8 to 3/8 pound acid equivalent (a.e.) per acre. Surfactant may be added at 1 to 2 pints per 100 gallons of spray volume; however, the addition of surfactant may increase the chance of crop injury. Use the 1 to 2 pint rate of surfactant with 1/8 pound a.e. rate of this product. Use the 1 pint rate of surfactant with 1/4 to 3/8 pound a.e. of this product. Higher rates of this product may be used, but do not exceed highest rate allowed on the label. Always mix Harmony in water prior to adding this product and surfactant.

This product may be tank mixed with **Harmony**® Extra for use on Barley, Oat and Wheat. For best results, add this product to the tank at 1/8 to 3/8 pound a.e. per acre. Surfactant may be added to the mixture at 1 to 2 pints per 100 gallons of spray volume; however, adding surfactant may increase the potential for crop injury. In tank mixes containing 1/8 pound a.e. per acre of this product per acre, add 1 to 2 pints of surfactant; in tank mixes containing 1/4 to 3/8 pound a.e. per acre, add 1 pint of surfactant. Higher rates of this product may be used, but do not exceed the highest rate allowed by this label. Always mix Harmony Extra with water prior to adding MCPA, and add the surfactant last. This product may also be tank mixed with Harmony Extra for the control of Corn growwell, Wild buckwheat, and Vetch (common and hairy). In Oats, also controls Vetch (common and hairy), Wild garlic, and Wild radish.

This product may be tank mixed with **Ally**® after weeds have emerged. For best results, use 1/10 ounce of Ally per acre; add this product herbicide to the tank at 1/4 to 1/2 pound a.e. per acre. Surfactant may be added to the mixture at 1/2 to 1 quart per 100 gallons of spray solution; however, adding surfactant may increase the potential for crop injury. Apply this product plus Ally after three to five-leaf stage, but before boot (with Durum and Wampum varieties, do not apply before tillering). Always mix Ally in water prior to adding this product and surfactant. Always add surfactant last. MCPA and Ally can be tank mixed for use on Wheat or Barley or in pastures and rangelands for the control of Blue mustard, Filweed, Tansy mustard, Canada thistle, Sowthistle, Corn growwell, Prostrate knotweed, Sunflower (common/volunteer), and Wild buckwheat.

This product may be tank mixed with **Express**® for use on Barley and Wheat. For best results, add this product to the tank at 1/8 to 3/8 pound a.e. per acre. Surfactant may be added to the mixture at 1 to 2 pints per 100 gallons of spray volume; however, adding surfactant may increase the potential for crop damage. Tank mixes containing 1/8 pound a.e. of this product per acre, add 1 to 2 pints of surfactant; in tank mixes containing 1/4 to 3/8 pound a.e. of this product per acre, add 1 pint of surfactant. Higher rates of this product may be used, but do not exceed the highest rate allowed on the label. Always mix Express and water prior to adding MCPA and add the surfactant last. This product and Express may also be used to control Vetch (common and hairy), Wild garlic, and Wild rice.

This product may be used annually with **Glean**® FC after weeds have emerged. For best results, use 1/6 to 1/3 ounce of Glean FC per acre; add this product to the tank at 1/4 to 1/2 pound a.e. per acre. Surfactant may be added to the mixture at 1/2 to 1 quart per 100 gallons of spray solution; however, adding surfactant may increase the potential for crop injury. Do not add a surfactant when Glean FC and this product are tank mixed with a liquid fertilizer. Apply this product plus Glean FC after the three to five-leaf stage, but before boot. Applying a tank mixture of this product and Glean FC, with fertilizer when temperatures are below freezing or when the crop is stressed in cold weather just prior to winter dormancy, can result in severe foliar burn and/or crop injury. Do not apply this product plus Glean FC in combination with organophosphate insecticides.

This product may be tank mixed with **Finesse**® in Barley and Wheat for post-emergent broadleaf weed control. For best results, use 1/5 to 2/5 ounce of Finesse per acre; add MCPA-4 Amine to the tank at 1/4 to 1/2 pound a.e. per acre. Surfactant may be added to the mixture at 1/2 to 1 quart per 100 gallons of spray solution; however, adding surfactant may increase the potential for crop injury. Do not add surfactant when this product and Finesse are applied with liquid fertilizer. Apply this product plus Finesse after the three to five-leaf stage, but before boot stage. Applying a tank mixture of this product, Finesse, and a liquid fertilizer when temperatures are below freezing or when the crop is stressed from cold weather, just prior to winter dormancy can result in foliar burn and/or crop injury. Do not apply this product plus Finesse in combination with organophosphate insecticides.

This product may be used with **Buctril**® in Barley, Oats, Rye, and Wheat in the four-leaf stage, but before jointing. This tank mix improves control of Kochia, Mustards, and Pigweed. Apply to weeds up to the four-leaf stage, two inches in height to one inch in diameter, whichever comes first. Use at a rate of 1/4 to 1/2 pound a.e. per acre of MCPA and 1 to 2 pints per acre of Buctril. Do not use this tank mixture in areas where Alfalfa or other legumes have been planted.

This product may be tank mixed with **Diablo**® Herbicide for fall and spring-seeded wheat. Applications to fall-seeded wheat must be made prior to jointing stage and to spring-seeded wheat before wheat exceeds the five-leaf stage. Apply 2 to 4 fluid ounces of Diablo Herbicide and 8 to 12 fluid ounces of this product per acre. For use on fall-seeded wheat only, apply 3 to 4 fluid ounces of Diablo Herbicide with 1 to 2 pints of this product per acre. Do not use unless potential crop injury will be acceptable. For fall-seeded Barley, apply 2 to 4 fluid ounces of Diablo Herbicide with 8 to 12 fluid ounces of this product per acre. This mixture must be applied to fall-seeded Barley prior to jointing stage. For Spring Barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring-seeded Barley. For spring-seeded Barley, application must be made before Barley exceeds the four-leaf stage. Apply 2 to 3 fluid ounces of Diablo Herbicide with 8 to 12 fluid ounces of this product per acre. For fall and spring-seeded Oats, application must be made before spring-seeded Oats exceed the five-leaf stage. Applications to fall-seeded Oats must be made prior to the jointing stage. Use 2 to 4 fluid ounces of Diablo Herbicide with 8 to 12 fluid ounces of this product per acre.





For grasses grown for seed, such as Bermudagrass, Bluegrass, Fescue, and Ryegrass, application must be made after the grass seed crop begins to joint. For the best performance, make applications when weeds are in the two to four-leaf stage and rosettes are less than two inches across. Use the higher level of listed ranges when treating more mature weeds or dense vegetative growth. Apply 1/2 to 2 pints of Diablo Herbicide with 1 to 2 pints of this product per acre.

Herbicides other than Sulfonylureas, such as this product, tank mixed with **Banvel® SGF** will offer more consistent control of sulfonylureas-resistant weeds. Surfactants are not recommended when applying this tank mix on small grains. This tank mix must be applied to fall-seeded Wheat prior to the jointing stage. For spring-seeded Wheat, applications must be made before wheat exceeds the five-leaf stage. Apply 4 to 8 fluid ounces of Banvel SGF with water before adding 8 to 12 fluid ounces of this product per acre. Always add this product after diluting Banvel SGF. For fall-seeded Wheat only, apply 6 to 8 fluid ounces of Banvel SGF with 1 to 2 pints of this product per acre. Do not use unless potential crop injury will be acceptable. For fall-seeded Barley, application must be made prior to jointing stage. Apply 4 to 8 fluid ounces of Banvel SGF with 8 to 12 fluid ounces of this product per acre. For spring Barley varieties that are seeded during the winter months or later, follow the rates and timing given for spring-seeded Barley. Spring-seeded Barley must be applied before Barley exceeds the four-leaf stage. Apply 4 to 6 fluid ounces of Banvel SGF with 8 to 12 fluid ounces of this product per acre. For fall and spring-seeded Oats, this tank mix must be applied before spring-seeded Oats exceed the five-leaf stage. Applications to fall-seeded Oats must be made prior to the jointing stage. Apply 4 to 8 fluid ounces of Banvel SGF with 8 to 12 fluid ounces of this product per acre. For grasses grown for seed, such as Bermudagrass, Bluegrass, Fescue, and Ryegrass, tank mixes with Banvel SGF and this product may be used to control broadleaf weeds.

This product may be tank mixed with **Tordon® 22K**, a restricted-use pesticide. For use on Barley, Oats, and Wheat not underseeded with a legume (which is not flood or sub-irrigated and not rotated to broadleaf crops).

This product may be tank mixed with **Curtail®**. Apply Curtail at a rate of 2 to 2-2/3 pints plus this product using up to 1/2 pint per acre in the spring to actively growing Barley or Wheat once four leaves have unfolded on the main stem and tillering has begun up to the jointing stage (first node of main stem detectable). To control or suppress weeds, make application at the maximum emergence of the target weeds, but before they exceed three inches in height or diameter (four rosettes). To obtain season-long control of perennial weeds, such as Canada thistle, apply after the majority of the weed's basal leaves have emerged from the soil, but before bud stage. A late timing of application (when the grain is between the jointing and boot stages) may be used to treat later-emerging weeds; however, do not apply unless the risk of injury is acceptable. Do not apply after the boot stage.

**NOTE:** Higher rates of Curtail or any application of Curtail following a spring post-emergence treatment with MCPA may increase risk of crop injury.

This product may be tank mixed with **Stinger®** for weed control in Barley, Oats, and Wheat. Apply 1/4 to 1/3 pint of Stinger plus 1/2 to 1 pint of this product per acre from the three-leaf stage up to early boot stage of growth. For control of perennial weeds, such as Canada thistle, 1/3 pint of Stinger per acre should be used. Russian knapweed will only be suppressed at this rate.

This product may be tank mixed with Stinger for application in grasses grown for seed. Apply only to established grasses before the boot stage. Application in the boot stage and beyond can increase injury. Do not apply to Bentgrass unless injury can be tolerated. For control of late emergent Canada thistle, a pre-harvest treatment may be made after the grass seed is fully developed. Treatment of Canada thistle at the bud stage or later may result in less consistent control. Post-harvest, Fall treatments may be made to actively growing Canada thistle after the majority of basal leaves have emerged. Use 2 to 4 pints of this product with 1/4 to 2/3 pint of Stinger per acre. For control of annual weeds and Canada thistle - treat as necessary, do not exceed 2/3 pint of Stinger per acre per season.

**NOTE:** Do not tank mix Stinger with this product unless the risk of injury is acceptable.

This product may be tank mixed with **Avenge®** for use in Barley and Wheat.

This product may be used in combination with **Poast®** and **Buctril®** for grass and broadleaf weed control in Flax. Controls a mixed population of grasses and broadleaf weeds listed as susceptible on the respective product labels. Prepare the tank mix by adding this product to half the final water volume, then oil concentrate or Dash HC spray adjuvant, then Poast, then Buctril, and bring the mixture to the final volume. Agitation must be continuous from the time of mixing through spraying. Mix these three products according to the rates recommended on the respective product labels, up to a maximum of one pint of Buctril equivalent per acre, or up to a maximum of 1/4 pound of this product a.e. per acre. Do not delay spraying broadleaf weeds, even though grassy weeds are not in correct stage for treatment. Buctril or Poast applied with this product may cause leaf burn, retarded growth, and delayed maturity of the crop. Some reduced grass control may be experienced with this tank mix. Do not add ammonium sulfate or UAN solutions to this tank mix.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Always use original container to store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizer, seed, or other pesticide. Store at temperatures above 32°F. If allowed to freeze, warm to at least 40°F and remix before using. Freezing does not alter this product. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed labeled container for proper disposal. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

(continued)





## STORAGE AND DISPOSAL *(continued)*

### CONTAINER DISPOSAL:

**[Nonrefillable Containers 5 Gallons or Less:]** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**[Nonrefillable Containers Larger than 5 Gallons:]** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **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. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Local conditions may affect the use of this chemical. Consult State Agricultural Experiment Station or Extension Service weed specialist for specific recommendations for local weed problems and for information on possible lower dosages.

### WARRANTY DISCLAIMER

**The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.**

### LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

**If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.**

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All other trademarks are the property of their respective owners.





# MCPA-4 AMINE

**ACTIVE INGREDIENT:**

Dimethylamine Salt of 2-Methyl-4-Chlorophenoxyacetic Acid\* ..... 48.58%

**OTHER INGREDIENTS:** ..... 51.42%**TOTAL:** ..... 100.00%

Isomer Specific AOAC Method, Equivalent to:

\*2-Methyl-4-Chlorophenoxyacetic Acid ..... 39.67%, 3.7 lbs./gal.

## KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

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 ATTACHED BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300. For Medical Emergencies Only, Call (877) 325-1840.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER / PELIGRO**

Corrosive, causes irreversible eye damage. Do not get in eyes, on skin, or clothing. Avoid inhalation of spray mists. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with eyes, skin, and clothing. Wear goggles, face shield or safety glasses.

Refer to booklet for complete Personal Protective Equipment, Engineering Controls Statement, User Safety Recommendations and First Aid.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Always use original container to store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizer, seed, or other pesticide. Store at temperatures above 32°F. If allowed to freeze, warm to at least 40°F and remix before using. Freezing does not alter this product. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high.**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed labeled container for proper disposal. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.**CONTAINER DISPOSAL:****[Nonrefillable Containers 5 Gallons or Less:]** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.**[Nonrefillable Containers Larger than 5 Gallons:]** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **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. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.**ENVIRONMENTAL HAZARDS**

This pesticide may be toxic to fish, 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 rinsate. 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.

Refer to booklet for complete Directions For Use.

EPA Reg. No. 228-143  
EPA Est No. 228-IL-1Manufactured for Nufarm Americas Inc.  
150 Harvester Drive | Burr Ridge, IL 60527↑  
PULL HERE TO OPEN

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