

SPECIMEN LABEL



FOR THE CONTROL OF ANNUAL AND PERENNIAL BROADLEAF WEEDS IN ORNAMENTAL TURF INCLUDING SOD FARMS

CONTAINS MCPA, FLUROXYPYR, AND TRICLOPYR

CONTROLS: Dandelion, Chickweed, Black Medic, Knotweed, Plantain, Oxalis, Clover, Cocklebur, Thistle and many other species of broadleaf weeds; some of which are listed on this label.

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2-Methyl-4-Chlorophenoxyacetic Acid*	37.84%
1-Methylheptyl Ester of Fluroxypyr: ((4-amino-3-5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic Acid, 1-methylheptyl ester**	4.45%
Triethylamine Salt of 3,5,6-Trichloro-2-Pyridinyloxyacetic Acid ***	4.07%

OTHER INGREDIENTS: 53.64%

TOTAL 100.00%

By Isomer Specific AOAC Method, Equivalent to:

*2-Methyl-4-Chlorophenoxyacetic Acid.....30.90%, 2.85 lbs./gal.

**((4-amino-3-5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic Acid.....3.09%, 0.29 lbs./gal.

***3,5,6-Trichloro-2-Pyridinyloxyacetic Acid.....2.92%, 0.27 lbs./gal.

Intended For Use By Professional Turf Maintenance Personnel, Landscaping or Commercial Applicators Only.

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. 228-453-5905 EPA Est. No. 228-IL-1

Net Contents: SN

MANUFACTURED FOR

HELENA CHEMICAL COMPANY

225 SCHILLING BOULEVARD, SUITE 300

COLLIERVILLE, TENNESSEE 38017

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER-PELIGRO

Corrosive. Causes irreversible eye damage. Harmful if swallowed, or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

NON-WPS TURF USE: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170)-in general only agricultural plant uses are covered by the WPS-must wear eye protection (goggles, face shield, or safety glasses) when using this product. It is recommended that safety glasses include front, brow, and temple protection.

WPS SOD FARM USES: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170)-in general, agricultural plant uses are covered-must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and protective eyewear. 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, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement: If the mechanical system is 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.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands, face and arms with soap and water before eating, smoking, drinking, 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

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 eye.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- 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 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 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

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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 use of gastric lavage.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. 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 contaminate water when disposing of equipment washwaters. Do not apply this product through any type of irrigation system. Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

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. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.**

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.

This product should be used strictly in accordance with the drift and runoff precautions on this label in order to minimize off-site exposure. Under some conditions, this product may have a potential to runoff to surface water or adjacent land. Where possible, use methods which reduce soil erosion, such as no-till, limited till and contour plowing; these methods also reduce pesticide runoff. Where feasible, use application techniques such as T-banding, and in-furrow techniques which incorporate the pesticide into the soil. Use of vegetation filter strips is recommended along rivers, creeks, streams, wetlands, etc. or on the downhill side of fields where runoff could occur to minimize water runoff.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and for high temperatures.

AGRICULTURAL USE REQUIREMENTS

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

product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated 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, waterproof gloves, 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 allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

This product is a broad-spectrum herbicide for control of actively growing annual and perennial broadleaf weeds. It is for use on established Ornamental Turf Lawns (Residential, Industrial and Institutional), Parks, Cemeteries, Athletic Fields, Roadsides and Golf Courses (Fairways, Aprons, Tees and Roughs) and similar turf areas; also for use on sod farms. Do not use on Golf Greens or Tees. This product may be applied to the following established turfgrass species:

ESTABLISHED COOL SEASON TURFGRASSES		ESTABLISHED WARM SEASON TURFGRASSES†	
Common Name	Scientific Name	Common Name	Scientific Name
Bentgrass	<i>Agrostis species</i>	Bahiagrass	<i>Paspalum notatum</i>
Bluegrass,	<i>Poa pratensis</i>	Bermudagrass	<i>Cynodon dactylon</i>
Kentucky Fescue,	<i>Festuca rubravar, commutata</i>	Buffalograss	<i>Buchloe dactyloides</i>
chewing Fescue,	<i>Festuca rubra</i>	Centipedegrass	<i>Eremochloa ophiuroides</i>
creeping red Fescue, sheeps	<i>Festuca ovina</i>	Zoysiagrass	<i>Zoysia japonica</i>
Fescue, tall	<i>Festuca arundinaceae</i>	Zoysiagrass	<i>Zoysia tenuifolia</i>
Ryegrass, perennial	<i>Lolium perenne</i>	Fescue, tall (growing in warm season areas)	<i>Festuca arundinacea</i>

†Do not treat warm season turfgrass with this product when mowing height is less than 1/2 inch.

Note: This product may discolor and/or stunt turf that is not well-established or is stressed or weakened due to unfavorable climatic conditions, temperature extremes, drought, nematodes, or other factors which damage or weaken turf. Apply this product only to healthy, well-established turf that has a well-anchored root system. Do not apply this product to grass species not listed on this label unless potential turf injury can be tolerated.

USE PRECAUTIONS

Do not apply this product directly to, or otherwise permit drift or spray mist to come into contact with cotton, citrus, grapes, tobacco, vegetables, flowers, ornamental plants, shrubs, trees, and other desirable plants. Do not pour spray solutions near desirable plants. Avoid fine mists. Use lawn type sprayer with coarse spray as wind drift is less likely. Spray drift can be reduced by spraying when wind velocity is low, keeping spray boom as low as possible, using nozzles that deliver larger spray droplets and minimize the production of fine spray particles, and by using higher spray volumes and lower

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pressures. Applications should be made only when hazards from spray drift are at a minimum. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. Do not spray when wind is blowing toward susceptible crops or ornamental plants near enough to be injured. Do not apply to exposed roots of shallow rooted trees and shrubs. Maximum kill of weeds will be obtained from spring or early fall applications when weeds are actively growing. Do not apply more than 4 pints per acre per application. Mow newly seeded turf at least twice before treatment with this product.

For optimum results: (1) Add a spray adjuvant, such as **DYNE-AMIC®** for best results. (2) Use a water conditioning agent, such as, **QUEST®** for high PH and water hardness; (3) Avoid applying during excessively dry or hot periods unless irrigation is used; (4) Turf should not be mowed 1 to 2 days before and following application; (5) Reseed no sooner than 3 to 4 weeks after application of this product.

WEEDS CONTROLLED

This product is designed to control many broadleaf weeds such as:

Alder	Broadleaf dock
Annual yellow sweet clover	Broadleaf plantain
Artichoke	Broomweed
Aster	Buckhorn
Austrian fieldcress	Buckhorn plantain
Bedstraw	Bulbous buttercup
Beggartick	Bull nettle
Biden	Bull thistle
Bindweed	Burdock
Bird vetch	Burning nettle
Bitterweed	Bur ragweed
Bitter wintercress	Burweed
Black-eyed Susan	Buttercup
Black medic	Canada thistle
Black mustard	Carolina geranium
Black-seed plantain	Carpetweed
Blessed thistle	Catchweed bedstraw
Blue lettuce	Catsear
Blue vervain	Catnip
Box elder	Chickweed
Bracted plantain	Chicory
Brassbuttons	Cinquefoil
Bristly oxtongue	Clover
Cockle	Kochia
Cocklebur	Knawel
Coffeebean	Knotweed
Coffeeweed	Lambsquarter
Common chickweed	Lespedeza
Common mullein	Locoweed
Common sowthistle	Lupine
Corn Chamomile	Mallow
Creeping jenny	Marshelder
Crimson clover	Matchweed
Croton	Mexicanweed
Cudweed	Milk vetch
Curly dock	Milkweed bloodflower
Curly indigo	Mugwort
Dandelion	Morningglory
Dead nettle	Mousear chickweed
Dock	Musk thistle

Dogbane	Mustard
Dogfennel	Narrowleaf plantain
Elderberry	Narrowleaf vetch
English daisy	Nettle
Fall dandelion	Orange hawkweed
False dandelion	Oxalis
False flax	Oxeye daisy
False sunflower	Parsely-piert
Fiddleneck	Parsnip
Field bindweed	Pearlwort
Field pansy	Pennycress
Flea bane (daisy)	Pennywort
Flixweed	Peppergrass
Florida betony	Pepperweed
Florida pusley	Pigweed
Frenchweed	Pineywoods bedstraw
Galinsoga	Plains coreopsis
Garlic mustard	Plantain
Goathead	Poison hemlock
Goatsbeard	Poison ivy
Goldenrod	Poison oak
Ground ivy	Pokeweed
Gumweed	Poorjoe
Hairy bittercress	Povertyweed
Hairy fleabane	Prickly lettuce
Hawkweed	Prickly sida
Healall	Primrose
Hartleaf drymary	Prostrate knotweed
Hedge bindweed	Prostrate pigweed
Hedge mustard	Prostrate spurge
Hemp	Prostrate vervain
Henbit	Puncture vine
Hoary cress	Purslane
Hoary plantain	Ragweed
Hoary vervain	Red clover
Honeysuckle	Redroot pigweed
Hop clover	Red sorrel
Horsenettle	Redstem filaree
Indiana mallow	Rough cinquefoil
Ironweed	Rough fleabane
Jewelweed	Roundleafed marigold
Jimsonweed	Rush
Russian pigweed	Wild buckwheat
Russian thistle	Wild carrot
St. Johnswort	Wild four-o'-clock
Scarlet pimpernel	Wild garlic
Scotch thistle	Wild geranium
Sheep sorrel	Wild lettuce
Shepherdspurse	Wild marigold
Slender plantain	Wild onion
Smallflower galinsoga	Wild parsnip
Smartweed	Wild radish
Smooth dock	Wild rape
Smooth pigweed	Wild strawberry
Sneezeweed	Wild sweet potato
Southern wild rose	Wild vetch
Sowthistle	Willow
Spanishneedle	Witchweed
Spatterdock	Wool morningglory

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Speedwell
Spiny amaranth
Spiny cocklebur
Spotted catsear
Spotted knapweed
Spotted spurge
Spurge
Spurweed
Stinging nettle
Stinkweed
Stitchwort
Strawberry clover
Sumac
Sunflower
Sweet clover
Tall nettle
Tall vervain
Tansy mustard
Tansy ragwort
Tanweed
Tarweed
Thistle
Tick trefoil
Toadflax
Trailing Crownvetch
Tumble pigweed
Tumbleweed
Velvet leaf
Venice mallow
Veronica
Vervain
Vetch
Virginia buttonweed
Virginia creeper
Virginia pepperweed
Wavyleaf bullthistle
Western clematis
Western salsify
White clover
White mustard
Wild mustard
Wild aster
Wooly plantain
Wormseed
Yarrow
Yellow rocket
Yellowflower pepperweed
and other broadleaf weeds.

Woodsorrel
Wooly croton

Apply 3 to 4 pints of this product per acre (1.1 to 1.5 ozs./1,000 sq. ft.) to control above listed broadleaf weeds.

The maximum use rate for most warm season grasses is 3 pints per acre.

Make application using equipment that will ensure uniform coverage (see specific application directions below). Foliar sprays should be applied during warm weather when weeds are actively growing.

Application under drought conditions may provide less than desirable results. When hard-to-control species are prevalent, when applications are made in late summer, when weeds are mature, or during drought conditions, use the higher rates.

On closely mowed golf course fairway bentgrass, apply this product at a maximum rate of 2 pints in 20 to 240 gallons of water per acre (0.73 fluid ounces in 0.5 to 5.5 gallons of water per 1,000 square feet). During conditions which promote turf stress use lower rates, 1 to 1.5 pints in 20 to 240 gallons of water per acre (0.36 to 0.55 fluid ounces in 0.3 to 5.5 gallons per 1,000 square feet). Slight turf yellowing will disappear after one week. To minimize grass injury, a second application should not be made for at least 4 weeks. Avoid swath overlaps. Do not use on golf course greens or tees.

Note: Broadleaf weeds germinate at different times of the year. Only emerged weeds present at the time of application will be controlled by this product.

Standard Volume Broadcast Applications: Apply 3 to 4 pints of this product in enough water to deliver 20 to 200 gallons of total spray mix per acre (0.5 to 5 gallons spray per 1,000 square feet). Higher application volumes may be used when this product is tank mixed with liquid fertilizers.

Low Volume Broadcast Applications: Apply 3 to 4 pints of this product in enough water to deliver from 5 to 40 gallons of total spray mixture per acre. Use low pressures and application equipment capable of delivering a uniform droplet size that can wet the weed leaf surface.

Targeted Zone Applications or Spot Treatment Using Portable Sprayers: Mix 0.5 to 1.0 ounce of this product in enough water to make one gallon of spray and apply at any time broadleaf weeds are actively growing. Target plants should be sprayed to wet but not beyond point of runoff.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Always store pesticides in a secured warehouse or storage building. Store at temperatures above 25° F. Protect from freezing. If allowed to freeze, remix well before using. Freezing does not alter the 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. Do not store near open containers of fertilizer, seed, or other pesticides.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law and may contaminate groundwater. 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 FOR NON-REFILLABLE CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning,

After applying this product, many broadleaf weeds will begin to show visible signs of leaf curl within a few days. Some hard-to-control broadleaf weeds may require a second broadcast treatment in 3 to 4 weeks.

RECOMMENDED MIXING INSTRUCTIONS

Fill spray tank with water. Start agitation and slowly add the recommended amount of concentrate. Maintain continuous agitation after mixing and during application. If this product is allowed to stand in tank for extended periods of time, some separation may occur. Reagitate before use.

TURF APPLICATION DIRECTIONS

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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.

CONTAINER DISPOSAL FOR REFILLABLE CONTAINERS: Close all openings which have been opened during use and replace all caps. Contact Helena Chemical Company at 1-800-424-9300 to arrange for return of the empty refillable container.

CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law. The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

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

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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