

# VERDICON Chaser® Ultra<sup>2</sup> Selective Herbicide

A PREMIUM THREE-WAY POST-EMERGENT SELECTIVE BROADLEAF HERBICIDE CONTAINING MCPA, FLUROXYPYR AND DICHLORPROP-p. FOR USE ON GOLF COURSES, PARKS, ORNAMENTAL TURF LAWNS AND SIMILAR TURF AREAS, ALSO FOR USE ON SOD FARMS. CONTROLS DANDELIONS, CHICKWEEDS, PLANTAINS, OXALIS, SPURGE AND MANY OTHER BROADLEAF WEEDS, SOME OF WHICH ARE LISTED ON THIS LABEL.

#### **ACTIVE INGREDIENTS:**

Dimethylamine Salt of 2-Methyl-4-Chlorophenoxyacetic Acid*	 41.60%
1-Methylheptyl Ester of Fluroxypyr: ((4-amino-3-5-dichloro-	
6-fluoro-2-pyridinyl)oxy) acetic Acid, 1-methylheptyl Ester**	 4.90%
Dimethylamine Salt of (+)-R-2-(2,4-Dichlorophenoxy)	
propionic Acid*** ‡	 8.10%
OTHER INGREDIENTS:	 45.40%
TOTAL	 100.00%

Isomer Specific Method. Equivalent to:

*2-Methyl-4-Chlorophenoxyacetic Acid	3.97%, 3.20	lbs./gal.
**((4-amino-3-5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic Acid	3.40%, 0.32	lbs./gal.
***(+)-R-2-(2,4-Dichlorophenoxy)propionic Acid	6.79%. 0.64	lbs./gal.
<b>I CONTAINS THE SINGLE ISOMER FORM OF DICHLORPR</b>	OP-p.	

INTENDED FOR USE BY PROFESSIONAL TURF MAINTENANCE PERSONNEL, LANDSCAPING OR COMMERCIAL APPLICATORS ONLY. NOT INTENDED FOR SALE TO OR USE BY HOMEOWNERS

# 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

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY **STATEMENTS** 

> EPA REG. NO. 228-449-65783 EPA EST. NO. 228-IL-1 NET CONTENTS 1 GAL, (3.78 L)

08/05

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

# DANGER—PELIGRO

Corrosive, causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

NON-WPS TURF USES: 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 face shield, goggles, or safety glasses and long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves when mixing, loading or applying this product. It is recommended that safety glasses include front, brow, and temple protection. In addition to the clothing and eye protection listed above, commercial mixer/loaders must wear chemical-resistant in place of rubber gloves except when the product is to be applied to a golf course. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possi-

NON-WPS INDUSTRIAL USES: When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear face shield, goggles, or safety glasses and chemical-resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow, and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required. Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower.

WPS 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, chemicalresistant gloves made of any waterproof material, shoes plus socks, and protective eyewear, when cleaning equipment, mixing or loading. 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. After each day of use, clothing or PPE must not be reused until it has been

ENGINEERING CONTROLS STATEMENTS: 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, 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**

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 swallowed:	
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.

#### **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: 1-800-301-7976.

Note to Physician: Probable mucosal damage may contraindicate use of gastric

#### **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 or rinsate nor pour washwater on the ground; spray or drain over a large area away from wells and other water sources. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes.

Most cases of groundwater contamination involving phenoxy herbicides such as MCPA and 2,4-DP-p have been associated with mixing/loading and disposal sites. Caution should be exercised when handling this product at mixing, loading, and disposal sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this product will reduce the probability of spills. Placement of

# CHASER® ULTRA<sup>2</sup> EPA REG. NO. 228-449-65783

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 evewear.

#### 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 for use on Ornamental Turf Lawns (Residential, Industrial and Institutional), Parks, Cemeteries, Athletic Fields and Golf Courses (Fairways, Aprons, Tees\* and Roughs) and similar turf areas. Also for use on Sod Farms. \*Excluding Bentgrass Tees.

## **USE PRECAUTIONS**

Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Do not use on Carpetgrass, Centipede, St. Augustine, Dichondra, nor on lawns or turf where desirable clovers are present. Avoid fine mists. Use lawn type sprayer with coarse spray as wind drift is less likely. Avoid contact with exposed feeder roots of ornamentals and trees. Maximum control of weeds will be obtained from spring or early fall applications when weeds are actively growing. The degree of weed control and duration of effect will vary with weed size and density, spray rate and coverage, and growing conditions before, during, and after the time of treatment. Use the higher rate for hard-to-control weeds. Do not exceed specified dosages for any area; be particularly careful within the dripline of tree and other ornamental species. Do not apply to newly seeded grasses until well established. Avoid broadcast applications when air temperature exceeds 90°F. When using in small, spot treatment applications in temperatures over 90°F, turf injury may occur.

The suitable use of this product on non-recommended turf species may be determined by treating a small area at any rate/acre which does not exceed 3 pints/acre. The treated area should be observed for any sign of turf injury for a period of 30 days of normal growing conditions to determine the phytotoxicity and efficacy to the treated area.

For optimum results: (1) avoid applying during excessively dry or hot periods unless irrigation is used; (2) turf should not be mowed 1 to 2 days before and following application; (3) reseed no sooner than 3 to 4 weeks after application of this product. Adding oil, wetting agent, or other surfactant to the spray may be used to increase effectiveness on weeds but doing so may reduce selectivity to turf resulting in turf damage. Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other sprays.

#### WEEDS CONTROLLED

Buckhorn

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

Alder Heartleaf drymary
Annual yellow sweet clover Hedge bindweed
Artichoke Hedge mustard
Austrian fieldcress Hemp
Bedstraw Henbit
Beggartick Hoary cress
Biden Hoary plantain
Bindweed Hoary vervain
Bird vetch Honeysuckle
Bitterweed Hop clover

Bindweed Bird vetch **Bitterweed** Bitter wintercress Horsenettle Black-eyed Susan Horsetail Black medic Indiana mallow Black mustard Ironweed Black-seed plantain Jewelweed Blessed thistle Jimsonweed Blue lettuce Kochia Blue vervain Knawel Box elder Knotweed Bracted plantain Lambsquarter Brassbuttons Lespedeza Bristly oxtongue Locoweed Broadleaf dock Lupine Broadleaf plantain Mallow Broomweed Marshelder

Buckhorn plantain Mexicanweed
Bulbous buttercup Milk vetch
Bull nettle Milkweed bloodflower

Matchweed

Bull thistle Mugwort
Burdock Morningglory
Burning nettle Mousear chickweed
Bur ragweed Musk thistle

Burweed Mustard
Buttercup Narrowleaf plantain
Canada thistle Narrowleaf vetch
Carolina geranium Nettle

Carolina geranium

Carpetweed

Catchweed bedstraw

Nettle

Orange hawkweed

Oxalis

Oxalis Oxeye daisy Catsear Parsley-piert Parsnip Catnip Chickweed Chicory Cinquefoil Pearlwort Pennycress Clover Pennywort Cockle Peppergrass Cocklebur Pepperweed Coffeebean Pigweed

Coffeeweed Pineywoods bedstraw Common chickweed Plains coreopsis

Common mullein Plantain Common sowthistle Poison hemlock Corn Chamomile Poison ivy Creeping jenny Poison oak Crimson clover Pokeweed Poorjoe Croton Cudweed Povertyweed Curly dock Prickly lettuce Curly indigo Prickly sida

Dandelion Primrose Prostrate knotweed Dead nettle Prostrate pigweed Dock Prostrate spurge Dogbane Prostrate vervain Dogfennel Elderberry Puncture vine English daisy Purslane Fall dandelion Ragweed False flax Red clover False sunflower Redroot pigweed Red sorrel Fiddleneck Field bindweed Redstem filaree

Field pansy Rough cinquefoil
Fiea bane (daisy) Rough fleabane
Flixweed Roundleafed marigold

Flixweed Florida betony Rush Florida pusley Russian pigweed Russian thistle Frenchweed St. Johnswort Galinsoga Garlic mustard Scarlet pimpernel Goathead Scotch thistle Goatsbeard Sheep sorrel Goldenrod Shepherdspurse Ground ivy Slender plantain Gumweed Smallflower galinsoga

Hairy bittercress Smartweed
Hairy fleabane Smooth dock
Hawkweed Smooth pigweed
Healall Sneezeweed

# CHASER® ULTRA<sup>2</sup> EPA REG. NO. 228-449-65783

Weeds Controlled cont'd .:

Southern wild rose Virginia buttonweed Sowthistle Virginia creeper Spanishneedle Virginia pepperweed Spatterdock Wavyleaf bullthistle Speedwell Western clematis Spiny amaranth Western salsify Spiny cocklebur White clover Spotted catsear White mustard Spotted knapweed Wild mustard Wild aster Spotted spurge Wild buckwheat Spurge Spurweed Wild carrot Stinging nettle Wild four-o'-clock Stinkweed Wild garlic Stitchwort Wild geranium Strawberry clover Wild lettuce Sumac Wild marigold Sunflower Wild onion Sweet clover Wild parsnip Tall nettle Wild radish Tall vervain Wild rape Tansy mustard Tansy ragwort Wild strawberry Wild sweet potato Tanweed Tarweed Wild vetch

Wooly morningglory Tick trefoil Toadflax Woodsorrel Trailing crownvetch Wooly croton Tumble mustard Wooly plantain Tumble pigweed Wormseed Tumbleweed Yarrow Velvet leaf Yellow rocket

Venice mallow Yellowflower pepperweed Veronica and other broadleaf weeds. Vervain

Vetch

Thistle

## RECOMMENDED MIXING INSTRUCTIONS

Willow

Witchweed

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.

# **ORNAMENTAL LAWNS AND TURF**

Apply this product at the rate of 2 to 3 pints in 20 to 240 gallons of water per acre (0.73 to 1.10 fluid ounces in 0.5 to 5.5 gallons of water per 1,000 square feet) to control weeds growing in turf planted to Bluegrass, Fescue, Ryegrass, Bentgrass (excluding golf course greens and tees), Bahia, Bermudagrass and Zoysia grass.

Lower Volume Equipment: Use as little as 5 gallons of water per acre. Use only application equipment that is capable of spreading a uniform droplet, wetting each weed

**NOTE:** For all grasses (1) Avoid double coverage resulting from overlap unless temporary turf injury can be tolerated and (2) Use reduced rates if grass is stressed from heat, drought, etc.

#### **COMPATIBILITY**

This product can be mixed with some liquid fertilizers or liquid iron materials. Because liquid fertilizers and liquid iron differ in pH, free ammonia content, density, salt concentration and percentage of water, a compatibility test (given below) is recommended prior to mixing in the application equipment. All regulations, either State or Federal, relating to the application of liquid fertilizers or liquid iron and this product must be strictly followed. The following compatibility test should always be performed prior to full-scale mixing.

- 1. Pour 18 ounces of water into a quart jar.
- 2. Add 1 ounce of either the liquid fertilizer or liquid iron to be used.
- 3. Add 1 ounce of this product.
- Close jar and shake well.
- 5. Watch the mixture for several seconds after shaking and check again after 30
- 6. If the mixture does not show signs of separating, the combination may be used. If the mixture foams excessively, gels, separates or gets very thick, do not combine for field application.
- Tield application.
  7. Compatibility may be improved by the use of a compatibility agent. Some suggested compatibility agents to try are Kalo Laboratories Complex, HACO Inc.'s Unite, Farm Chemicals Inc.'s Compat, Harcros Chemicals' T-Mulz 734-2, Rigo Company's Rigo Compatibility Agent, Witco Chemical's Sponto 168D, Amoco Oil's Amoco Spray Mate, Universal Coop.'s Chem-Link and Loveland Industries, Inc.'s E-Z Mix. These agents are all used in the same manner. Follow the previously outlined test procedures and add 1/6 ounce of the compatibility agent between steps (the compatibility agent must be added to the fertilizer or iron before adding this product).

8. If the mixture does not separate, gel, foam, or get very thick, it may be used for field application. Mix only the amount to be sprayed. Do not allow to stand overnight.

## 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. Store at temperatures above 25°F. Protect product from freezing. If allowed to freeze, remix well before using. This 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. 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), adding rinsate to spray tank. 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. CONTAINER DISPOSAL FOR REFILLABLE CONTAINERS: Close all openings which have been opened during use and replace all caps. Contact Verdicon, Inc. at 1-970-356-4400, to arrange for return of the empty refillable container.

#### WARRANTY DISCLAIMER AND NOTICE

THE DIRECTIONS FOR USE OF THIS PRODUCT ARE BELIEVED TO BE ADEQUATE AND SHOULD BE FOLLOWED CAREFULLY. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT DUE TO SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OR ABSENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICA-TION, ALL OF WHICH ARE BEYOND THE CONTROL OF VERDICON, INC., THE MANUFACTURER OR SELLER.

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