SELECTIVE BROADLEAF WEED CONTROL FOR TURFGRASSES, INCLUDING USE ON SOD FARMS, TO CONTROL CLOVER, DANDELION, HENBIT, PLANTAINTS, WILD ONION, AND MANY OTHER BROADLEAF WEEDS
CONTAINS 2,4-D, MECOPROP-p AND DICAMBA

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid* .......................................................... 33.83%
Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡ .............................. 8.17%
Dimethylamine Salt of Dicamba (3,6-Dichloro-o-anisic Acid)*** ........................................... 3.73%

OTHER INGREDIENTS: .................................................................................................................. 54.27%

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

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid ................................................................. 28.10%, 2.70 lbs./gal.
**(+)R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid‡ ........................................ 6.75%, 0.64 lbs./gal.
***3,6-Dichloro-o-Anisic Acid ........................................................................ 3.10%, 0.30 lbs./gal.
‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

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. 228-292
EPA EST. NO. 228-IL-1

Net Contents
2.5 Gal. (9.46 L)

MANUFACTURED BY
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, or on skin or clothing. Harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE):
Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear:
• Long-sleeved shirt and long pants
• Shoes plus socks, and
• Protective eyewear (goggles, face shield, or safety glasses)
• Chemical-resistant gloves
• Chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

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: When handlers use closed systems, enclosed cabs, 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 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.
• Discard clothing and other absorbant materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.

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
• 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 a 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 INHALED
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
• Call a poison control center or doctor for further treatment advice.

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.

(continued)
ENVIRONMENTAL HAZARDS
This pesticide may be toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. 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. Application around a cistern or well may result in contamination of drinking water or groundwater.

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. Aerial application is prohibited.
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.

SPRAY DRIFT MANAGEMENT
A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size
Use medium or coarser spray nozzles according to ASAE (S572) definition for standard nozzles or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed
Do not apply at wind speeds greater than 10 mph. Only apply this product if the wind direction favors on-target deposition and there are no sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind.

Temperature Inversions
If applying at wind speeds less than 3 mph, the applicator must determine if: 1) conditions of temperature inversion exist, or 2) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

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. For turf use, do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.
**Susceptible Plants**

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

**Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

**Equipment**

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

**USE PRECAUTIONS**

This product is for use on Athletic Fields, Cemeteries, Golf Courses (Aprons, Fairways, Roughs and Tees), Ornamental Turf Lawns (Industrial, Institutional, and Residential), Parks, and similar turf areas. Also for use on Sod Farms. The maximum number of broadcast applications per treatment site is 2 per year.

Avoid mist to vegetables, flowers, ornamentals, shrubs, trees and other desirable plants. Do not pour spray solutions near these plants. Do not apply on carpetgrass, dichondra nor on lawns or turf where desirable clovers are present. Except as noted, use only lawn-type sprayers. Do not apply to newly seeded grasses until well established. Avoid broadcast applications when air temperature exceeds 90°F. When using small, spot treatment applications in temperature over 90°F, turf injury may occur.

When treating Carpetgrass, avoid broadcast applications when air temperature exceeds 80°F. When air temperatures exceed 80°F, limit application to spot treatment only.

Apply only to dormant St. Augustine (Common, Raleigh and Seville varieties grown in Texas, Louisiana, Mississippi only) and dormant Centipede grasses (Texas, Louisiana, Mississippi only).

Avoid applying during excessively dry or hot periods unless irrigation is used. For optimum results: (1) turf should not be mowed for 1 to 2 days before and after application; (2) do not apply if rainfall is expected within 4 hours after the application, delay irrigation cycle for 24 hours. Reseed no sooner than three to four weeks after application of this product. Failure to observe all precautions may result in injury to turf and/or susceptible plants.

This product can be mixed with some liquid fertilizers or liquid iron materials. Because liquid fertilizer and liquid iron differ in pH, free ammonia content, density, salt concentration, and percentage of water, a compatibility test is recommended prior to mixing in 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.

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et. al. v. EP, C01-0132C, (W.D. WA). For further information, please refer to [http://www.epa.gov/espp/wtc/](http://www.epa.gov/espp/wtc/).

**WEEDS CONTROLLED**

| Bedstraw          | Ground ivy      | Pigweed       | Spurge        |
| Black medic      | Healall         | Plantain      | Wild carrot   |
| Buckhorn         | Henbit          | Poison ivy    | Wild garlic   |
| Burdock          | Knotweed        | Poison oak    | Wild lettuce  |
| Chicory          | Lambsquarter    | Purslane      | Wild onion    |
| Chickweed        | Lespedeza       | Ragweed       | Yarrow        |
| Clover           | Mallow          | Sheep sorrel  | and other broadleaf weeds |
| Dandelion        | Morningglory    | Shepherdspurse|              |
| Dock             | Peppergrass     | Speedwell     |              |
TURF, ORNAMENTAL
(GOLF COURSES, CEMETERIES, PARKS, SPORTS FIELDS, TURFGRASS, LAWNS AND OTHER GRASS AREAS)

AND

TURF (GROWN FOR SEED OR SOD)

<table>
<thead>
<tr>
<th>APPLICATIONS</th>
<th>USE RATE</th>
<th>USE DIRECTIONS</th>
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</table>
| Cool Season Grasses               | 0.9 to 1.25 fluid ounces per 1,000 square feet | **For Normal Application:** Use in 1 to 2 gallons of water per 1,000 square feet (40 to 80 gallons of water per acre).  
**For Professional Lawn Maintenance:** Use in 1 to 5 gallons of water per 1,000 square feet. Higher water volumes may be used when tank-mixed with a turf fertilizer. Follow fertilizer labels for proper amounts to add. |
| Warm Season Grasses               | 1-2/3 to 2-1/4 pints maximum per acre | Use in 40 to 200 gallons of water. Repeat after 3 weeks if necessary. Use reduced rates if grass is stressed from heat or drought. Exercise care when applying during growth stages from dormancy to green-up and from green-up to dormancy. Some temporary discoloration may occur on warm season grasses. These grasses are sensitive to 2,4-D and great care should be taken to prevent overdosing. |
| (Centipede, St. Augustine)        |                                  |                                                                               |
| (Bahia, Common Bermuda, and Zoysia)| 2 to 2-1/2 pints maximum per acre | Use in 40 to 200 gallons of water. Use reduced rates if grass is stressed from heat or drought. Exercise care when applying during growth stages from dormancy to green-up and from green-up to dormancy. Some temporary discoloration may occur on warm season grasses.  
**NOTE:** If Bermudagrass is dormant, up to 3-2/3 pints per acre may be used. However, some hybrid Bermuda grasses may be sensitive to this product. Contact your local extension service weed control specialist. |
| Bentgrass (Putting and Bowling Greens) | 3/4 fluid ounce per 1,500 square feet | On closely mowed Bentgrass, apply this product in 5 gallons of water per 1,500 square feet (145 gallons of water per acre) - preferably in May or mid-August through September. Slight turf yellowing will disappear after about one week. |

**NOTE:** Care should be taken to avoid overdosing Bentgrass, Centipede, and St. Augustine grasses or injury may result. Large volumes of spray water (i.e. 3/4 fluid ounce in 5 gallons of water per 1,500 square feet) will aid in obtaining uniform coverage. If hand-type sprayers are used, it is preferable to use a single nozzle sprayer rather than a multiple nozzle boom as sideways application with a boom where the spray from more than one nozzle is allowed to fall on the same area will result in heavy local over-application and subsequent turf discoloration or injury.

**Ornamental Turf:** Make no more than 2 applications per year. Minimum interval of 30 days between applications.

**Turf Grown for Seed/Sod:** Make no more than 2 applications per year. Minimum interval of 30 days between applications.
LOW VOLUME APPLICATION EQUIPMENT

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<tr>
<th>EQUIPMENT</th>
<th>APPLICATION</th>
<th>USE RATE</th>
<th>USE DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Herbi™ Controlled Droplet Applicator</td>
<td>Cool season grasses</td>
<td>1-3/4 to 2-3/4 pints per 33,000 square feet</td>
<td>Add to the Herbi 5 pint container. Fill balance of container with water. Keeping container agitated, spray entire contents over 33,000 square feet (approx. 3/4 acre). Do not overlap spray patterns.</td>
</tr>
<tr>
<td></td>
<td>Listed warm season grasses</td>
<td>1-1/3 to 1-3/4 pints per 33,000 square feet</td>
<td>Add to the Herbi 5 pint container and fill balance of container with water. Follow Herbi spray instructions for cool season grasses. Use reduced rates if grass is stressed from heat, drought, etc.</td>
</tr>
<tr>
<td>Controlled Droplet Applicators: (CDA), Atomizers and Spinning Disk Applicators</td>
<td>Cool season grasses</td>
<td>0.9 to 1.25 fluid ounces per 1,000 square feet</td>
<td>Use in sufficient water to assure coverage (1 to 4 gallons of water per acre is normal for this type of equipment). Do not overlap spray patterns.</td>
</tr>
<tr>
<td></td>
<td>Listed warm season grasses</td>
<td>0.66 to 0.75 fluid ounces per 1,000 square feet</td>
<td>Use in sufficient water to assure coverage (2 to 4 gallons of water per acre is normal for this type of equipment); and follow CDA spray instructions for cool season grasses. Use reduced rates if grass is stressed from heat, drought, etc.</td>
</tr>
<tr>
<td>Lower Volume Equipment</td>
<td>Cool season and listed warm season grasses</td>
<td>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 surface. Take special care to prevent overdosing.</td>
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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 32°F. If allowed to freeze, remix 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 toxic. 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: 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.
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