


228-416

4/2/2008

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 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE:  <input type="checkbox"/> Registration  <input checked="" type="checkbox"/> Reregistration</p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number:  228-416	Date of Issuance:  2 APR 2008
	Term of Issuance:	
Name of Pesticide Product:  Escalade Low Odor		
Name and Address of Registrant (include ZIP Code):  Nufarm Americas Inc. 150 Harvester Drive Burr Ridge, IL 60527		
<p><i>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</i></p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you agree in writing to:</p> <ol style="list-style-type: none"> <li>1) The Agency recommends that a Note to Physician be added to the label that addresses eye irritation concerns.</li> <li>2) Per the acute toxicity review, revise "Avoid contact with skin or clothing" in the Hazards to Humans and Domestic Animals section to read "Avoid contact with skin. Do not get on clothing." In addition, the text "Wear protective eyewear such as goggles, face shield or safety glasses" must be deleted from this section because it is incomplete and duplicates PPE text appearing elsewhere on the label.</li> <li>3) The PPE section must be revised per the 2, 4-D and Dicamba REDs and the acute toxicity review to read:  "Some materials that are chemical-resistant to this product are made of barrier laminate, butyl rubber, nitrile rubber or viton. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart.</li> </ol> <p>All mixers, loaders, applicators, and other handlers must wear:</p>		

- long-sleeved shirt and long pants,
- shoes and socks,
- protective eyewear (face shield or goggles),
- 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.”

Please note that in addition to the PPE specified in the both the 2,4- D and Dicamba RED, the acute toxicity review also requires that all handlers wear eyewear and chemical-resistant gloves. If this product can be applied by air, the text “except for pilots” may be added to glove statement above.

4) The mechanical transfer engineering control text is no longer required per the 2,4-D and Dicamba REDs and may be deleted from the label. It is unclear if this product may be applied by air. The label should be revised to prohibit aerial application and all reference to aerial application including mention of flaggers and pilots should be deleted from the label or the following engineering control text must be added to the label:

“Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40CFR 170.240 (d)(6).”

5) The text “except as noted on appropriate labels” must be deleted from the text “Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark, except as noted on appropriate labels.”

6) The early entry PPE must be revised to read:

“Coveralls worn over short-sleeve shirt and short pants,  
 Chemical-resistant footwear plus socks,  
 Chemical-resistant gloves made of any waterproof material,  
 Chemical-resistant headgear for overhead exposure, and  
 Protective eyewear.”

7) With the exception of drift-related text appearing in the Environmental Hazards (“Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas”) and General Precautions and Restrictions (“Do not apply this product in a way that will contact workers or other persons, either directly or through drift”), all other spray drift text must be replaced with the following:

**Spray Drift Management**

“A variety of factors including weather conditions (e.g., wind directions, 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**

When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a coarse or coarser spray, apply only as a coarse or coarser spray (ASAE standard 572) or a volume mean diameter of 385 microns or greater

for spinning atomizer nozzles.

When apply sprays that contain 2,4-D mixed with other active ingredients that require a medium or more fine spray, apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

**Wind Speed**

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind. If applying a medium spray, leave one swath unsprayed at the downwind edge of the treated field.

**Temperature Inversions**

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

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

If aerial application is intended:

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 unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications.

When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this by adjusting the path of the aircraft upwind.

If ground boom application is intended:

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

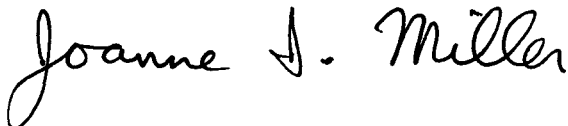
8) Under the “limitations for use on ornamental turf” section add the statement “Do not exceed 1.0 lb dicamba/acre per year.”

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The maximum application rates on the label for ornamental lawns and turf, sod farms, and non-turf areas all slightly exceed the rates permitted by the 2,4-D RED. The label must be revised.

9) On page 3, remove "and similar turf areas". On page 5, change "recommended rates for sod farms" to "rates for sod farms". On page 6, delete "and other similar non-crop areas".

Signature of Approving Official:



Joanne Miller, Product Manager (23)  
Herbicide Branch, Registration Division (7505P)

Date:

2 APR 2008

EPA Form 8570-6

You will submit one copy of your final printed labeling before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have any questions please call Erik Kraft at 703-308-9358.

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ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
2 APR 2008

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

228-416

# ESCALADE®

## LOW ODOR

FOR SELECTIVE BROADLEAF WEED CONTROL IN ORNAMENTAL LAWNS AND TURF GRASSES  
CONTAINS 2,4-D, FLUROXYPYR AND DICAMBA

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:**

Triisopropanolamine Salt of 2,4-Dichlorophenoxyacetic Acid*	50.59%
1-Methylheptyl Ester of Fluroxypyr:((4-amino-3-5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic Acid, 1-methylheptyl Ester**	7.32%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	3.39%

<b>OTHER INGREDIENTS:</b>	38.70%
<b>TOTAL:</b>	100.00%

By Isomer Specific AOAC Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	27.12%, 2.7 lbs./gal.
**((4-amino-3-5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic Acid	5.09%, 0.5 lbs./gal.
***3,6-Dichloro-o-Anisic Acid	3.39%, 0.3 lbs./gal.

**KEEP OUT OF REACH OF CHILDREN**

**WARNING - AVISO**

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. 228-416  
EPA EST. NO. 228-IL-1

MANUFACTURED BY  
NUFARM AMERICAS INC.  
150 HARVESTER DRIVE  
BURR RIDGE, IL 60527



NET CONTENTS      GALS.

000228-00416.20071101.EPA24D.Pending

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING - AVISO**

Causes substantial but temporary eye injury. Harmful if swallowed. Avoid contact with skin or clothing. Do not get in eyes. Wear protective eyewear such as 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.

**All mixers, loaders, applicators, flaggers, and other handlers must wear:**

- long-sleeved shirt and long pants,
- shoes and socks, plus
- chemical resistant gloves, when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.
- chemical resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.
- protective eyewear

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 Control Statement:**

If this container is over one gallon and less than five gallons, then persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron. If this container is five gallons or more in capacity, do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. 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.

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 may be reduced or modified as specified in the WPS.

<b>USER SAFETY RECOMMENDATIONS</b>	
<b>Users Should:</b>	
<ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.</li> <li>• 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.</li> </ul>	

<b>FIRST AID</b>	
<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 a 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>HOT LINE NUMBER</b>	
<p>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.</p>	

**ENVIRONMENTAL HAZARDS**

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except as noted on appropriate labels. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This product has properties and characteristics associated with chemicals detected in groundwater. The use of this product 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.**

This pesticide should be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposure.

Under some conditions this product may have a potential to run-off 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 run-off. 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 along rivers, creeks, streams, wetlands, etc. or on the downhill side of fields where run-off could occur will minimize water run-off is recommended.

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/or high temperatures.

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.

**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, 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 or allow people (or pets) to enter the treated area until sprays have dried.

This product is for use on Ornamental Turf Lawns (Residential, Industrial and Institutional), Parks, Cemeteries, Athletic Fields, Golf Courses (Fairways, Aprons, Tees\* and Roughs), along Highways, Rights-Of-Way and similar turf areas. Also for use on Sod Farms. \*Excluding Bentgrass Tees

**USE PRECAUTIONS**

Avoid mist to vegetables, flowers, ornamentals, shrubs, trees and other desirable plants. Do not pour spray solutions near these plants. Do not spray on carpetgrass, dichondra nor on lawns or turf where desirable clovers are present. Avoid fine mists. Except as noted, use lawn-type sprayers with coarse spray, as wind drift is less likely. Use coarse spray droplets. Do not spray roots of ornamentals and trees. Do not exceed specified dosages for any area; be particularly careful within the dripline of trees and other species.

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. Use the higher rate for hard-to-control weeds.

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.

Do not apply to newly seeded grasses until well established. Do not spray when air temperature exceeds 90°F. Avoid applying during excessively dry or hot periods unless irrigation is used. For optimum results: (1) avoid applying during excessively dry or hot periods unless irrigation is used; (2) turf should not be mowed for 1 to 2 days before and after application; (3) do not apply if rainfall is expected within 24 hours; nor should lawns be irrigated (watered) for 24 hours following application. 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.

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.

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.

Do not apply when weather conditions favor drift from target area. Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other spraying. Do not apply this product through any type of irrigation system.

**WEEDS CONTROLLED**

Alder	Clover	Hedge mustard	Pepperweed
Annual yellow sweet clover	Cockle	Hemp	Pigweed
Artichoke	Cocklebur	Henbit	Pineywoods bedstraw
Aster	Coffeebean	Hoary cress	Plains coreopsis
Austrian fieldcress	Coffeeweed	Hoary plantain	Plantain
Bedstraw	Common chickweed	Hoary vervain	Poison hemlock
Beggartick	Common mullein	Honeysuckle	Poison ivy
Biden	Common sowthistle	Hop clover	Poison oak
Bindweed	Corn Chamomile	Horsenettle	Pokeweed
Bird vetch	Creeping jenny	Horsetail	Poorjoe
Bitterweed	Crimson clover	Indiana mallow	Povertyweed
Bitter wintercress	Croton, Cudweed	Ironweed	Prairie
Black-eyed Susan	Curly dock	Jewelweed	Prickly lettuce
Black medic	Curly indigo	Jimsonweed	Prickly sida
Black mustard	Dandelion	Kochia	Primrose
Blackseed plantain	Dead nettle	Knawe	Prostrate knotweed
Blessed thistle	Dock, Dogbane	Knotweed	Prostrate pigweed
Blue lettuce	Dogfennel	Lambsquarter	Prostrate spurge
Blue vervain	Elderberry	Lespedeza	Prostrate vervain
Box elder	English daisy	Locoweed	Puncture vine
Bracted plantain	Fall dandelion	Lupine	Purslane
Brassbuttons	False dandelion	Mallow	Ragweed
Bristly oxtongue	False flax	Marshelder	Red clover
Broadleaf dock	False sunflower	Matchweed	Redroot pigweed
Broadleaf plantain	Fiddleneck	Mexicanweed	Red sorrel
Broomweed	Field bindweed	Milk vetch	Redstem filaree
Buckhorn	Field pansy	Milkweed bloodflower	Rough cinquefoil
Buckhorn plantain	Flea bane (daisy)	Mugwort	Rough fleabane
Bulbous buttercup	Flixweed	Morningglory	Roundleafed marigold
Bull nettle	Florida betony	Mousear chickweed	Rush
Bull thistle	Florida pusley	Musk thistle	Russian pigweed
Burdock	Frenchweed	Mustard	Russian thistle
Burning nettle	Galinsoga	Narrowleaf plantain	St. Johnswort
Bur ragweed	Garlic mustard	Narrowleaf vetch	Scarlet pimpernel
Burweed	Goathead	Nettle	Scotch thistle
Buttercup	Goatsbeard	Nutgrass	Sheep sorrel
Canada thistle	Goldenrod	Orange hawkweed	Shepherdspurse
Carolina geranium	Ground ivy	Oxalis	Slender plantain
Carpetweed	Gumweed	Oxeye daisy	Smallflower galinsoga
Catchweed bedstraw	Hairy bittercress	Parsley-piert	Smartweed
Catsear	Hairy fleabane	Parsnip	Smooth dock
Catnip	Hawkweed	Pearlwort	Smooth pigweed
Chickweed	Healall	Pennycress	Sneezeweed
Chicory	Heartleaf drymary	Pennywort	Southern wild rose
Cinquefoil	Hedge bindweed	Peppergrass	

(Continued)



**WEED CONTROLLED (Continued)**

Sowthistle	Tall nettle	Virginia buttonweed	Wild parsnip
Spanishneedle	Tall vervain	Virginia creeper	Wild radish
Spatterdock	Tansy mustard	Virginia pepperweed	Wild rape
Speedwell	Tansy ragwort	Wavyleaf bullthistle	Wild strawberry
Spiny amaranth	Tarweed	Western clematis	Wild sweet potato
Spiny cocklebur	Tarweed	Western salsify	Wild vetch
Spotted catsear	Thistle	White clover	Willow
Spotted knapweed	Tick trefoil	White mustard	Witchweed
Spotted spurge	Toadflax	Wild mustard	Woolly morningglory
Spurge	Trailing crownvetch	Wild aster	Woodsorrel
Spurweed	Tumble mustard	Wild buckwheat	Woolly croton
Stinging nettle	Tumble pigweed,	Wild carrot	Woolly plantain
Stinkweed	Tumbleweed	Wild four-o'clock	Wormseed
Stitchwort	Velvet leaf	Wild garlic	Yarrow
Strawberry clover	Venice mallow	Wild geranium	Yellow rocket
Sumac	Veronica	Wild lettuce	Yellowflower pepperweed and other broadleaf weeds.
Sunflower	Vervain	Wild marigold	
Sweet clover	Vetch	Wild onion	

Some of these species may require repeat spot applications and/or use of higher rate recommended on this product label even under ideal conditions for application.

**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 1.1 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.

Note: 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 1000 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 1000 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.

**Controlled Droplet Applicators:** (CDA), Atomizers, and Spinning Disk Applicators: Use This product at the rate of 2 to 3 pints per acre (0.73 to 1.10 fluid ounces per 1,000 square feet) in sufficient water to assure coverage (1 to 4 gallons of water per acre is normal for this type of equipment).

**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 surface.

NOTE: For all grasses (1) Do not overlap spray patterns; (2) Use reduced rates if grass is stressed from heat, drought, etc.; and (3) Follow CDA equipment spray instructions.

**Limitations for Use on Ornamental Turf:** The maximum rate per application is 4.5 pints per acre, limited to 2 applications per year. The maximum seasonal rate is 9 pints per acre, excluding spot treatments.

**SOD FARMS**

This product is intended for use on sod farms. This herbicide provides selective broadleaf control in warm season and cool season turfgrass established for commercial sod production.

**Timing**

Apply this herbicide to broadleaf weeds that are actively growing. Follow-up applications may be required for dense infestations of perennial and biennial weeds. Do not apply this product to Floratam St. Augustinegrass.

The application of this herbicide to grass seedlings is recommended after the second mowing.

The application of this product to newly sodded, sprigged, or plugged grasses should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations. Also, applications to dormant bermudagrass, dormant zoysiagrass and dormant bahiagrass are suggested.

**Recommended Rates for Sod Farms**

For Bluegrass, Ryegrass and Fescue, apply 2 to 3 pints per acre. For Creeping Bentgrass use 1.25 pints per acre. For Common and Hybrid Bermudagrass, Bahia, Zoysia and St. Augustine grass apply 1.5 to 1.8 pints per acre. Spray volume for Sod Farm application is 5 to 175 gallons per acre.

Generally, the lower application rates will provide satisfactory control of sensitive weeds. The higher application rates will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

**Limitations for Use on Sod:**

The maximum rate per application is 6 pints, limited to 2 applications per year. Minimum of 21 days between applications.

### NON-TURF AREAS

**Roadsides (including aprons and guardrails), rights-of-way, and other similar non-crop areas:** For control of broadleaf weeds, mix at a rate of 2 to 5 pints of this product per 50 to 300 gallons of water. This mixture will cover 43,500 square feet. Thoroughly saturate all weeds with spray mixture. Apply any time between the time when plants come into full leaf (Spring) to when the plants begin to go dormant. Best results are obtained when weeds are young and actively growing. Do not cut weeds until herbicide has translocated throughout the plant causing root death. For small broadleaf weeds, use the lower rate. Heavy, dense stands require the higher rate with high water volume. For small (spot) applications with small tank sprayers, apply at the rate of 2.5 fluid ounces of this product per gallon of water and spray to thoroughly wet all foliage.

**For control of woody plants:** Apply to both stems and foliage any time from the time foliage is completely matured until the time plants start to go dormant. All leaves, stems and suckers must be completely wet to the ground line for effective control. Regrowth may be anticipated on the more resistant species. Add 4 to 5 pints of this product to 100 gallons of water applying 200 to 600 gallons of spray mixture per 43,500 square feet depending upon the height and thickness of the brush. Mix thoroughly before spraying.

#### Limitations for Non-Turf Areas:

For annual and perennial weeds, the maximum rate per application is 6 pints per acre, limited to 2 applications per year. Minimum of 30 days between applications. For woody plants, the maximum rate per application is 12 pints per acre, limited to 1 application per year.

Applications to non-cropland areas are not applicable to treatment of commercial timber or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

### 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 fluid ounces of water into a quart jar.
2. Add 1 fluid ounce of either the liquid fertilizer or liquid iron to be used.
3. Add 1 fluid ounce of this product.
4. Close jar and shake well.
5. Watch the mixture for several seconds after shaking and check again after 30 minutes.
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.
7. Compatibility may be improved by the use of a compatibility agent. Some suggested compatibility agents to try are Kalo Laboratories Complex, 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 and Universal Coop.'s Chem-Link. 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. Protect from freezing. Store at temperatures above 25° F. If allowed to freeze, remix before using; this 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 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:** Triple rinse (or equivalent). 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 and replace all caps. Contact Nufarm Customer Service at 1-800-345-3330, to arrange for return of the empty refillable container.

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