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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND

Feb 23 2009

George Meindl
Registration Manager
Nufarm Americas, Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

SUBJECT: Application for Pesticide Notification – Correction of Acid Equivalent (ae)
Values
Spoiler™ Herbicide
EPA Reg. No. 228-513
Application Dated May 24, 2007

Dear Mr. Meindl:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been date-stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

A handwritten signature in cursive script that reads "Rachel C. Holloman".

Linda Arrington *for*
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

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SPOILER™

HERBICIDE

NOTIFICATION
FEB 23 2009

**THREE-WAY POST-EMERGENT SELECTIVE HERBICIDE CONTAINING THE AMINES OF 2,4-D, MECOPROP-p AND DICHLORPROP-p. FOR USE ON ORNAMENTAL TURF SUCH AS LAWNS, PARKS, CEMETERIES, AND GOLF COURSES (FAIRWAYS, APRONS, TEES, AND ROUGHS), ALSO ALONG HIGHWAYS, OTHER SIMILAR NON-CROP AREAS, AND SOD FARMS. KILLS DANDELION, CHICKWEED, PLANTAIN, OXALIS, SPURGE AND MANY OTHER BROADLEAF WEEDS, SOME OF WHICH ARE LISTED ON THIS LABEL.
GET THE OPTICAL ADVANTAGE®**

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	33.30%
Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	8.58%
Dimethylamine Salt of (+)-R-2-(2,4-Dichlorophenoxy)propionic Acid***‡	8.45%

OTHER INGREDIENTS:	49.67%
TOTAL	100.00%

By Isomer Specific AOAC Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	27.66%, 2.69 lbs/gal
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid.	7.09%, 0.71 lbs/gal
***(+)-R-2-(2,4-Dichlorophenoxy)propionic Acid	7.09%, 0.71 lbs/gal

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p AND DICHLORPROP-p.



**FOR USE BY PROFESSIONAL TURF MAINTENANCE PERSONNEL,
LANDSCAPING OR COMMERCIAL APPLICATORS ONLY**

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

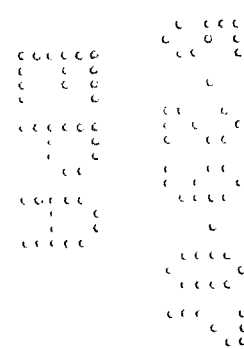
EPA REG. NO. 228-513
EPA EST. NO. 228-IL-1

MANUFACTURED BY
NUFARM AMERICAS INC.
BURR RIDGE, IL 60527



NET CONTENTS LBS.

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

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear such as goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing 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: protective eyewear and long pants, long-sleeved shirt, socks, shoes and rubber gloves. After using this product, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. The maximum number of broadcast applications to turf per treatment site is 2 per year.

NON-WPS INDUSTRIAL USES: When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear protective eyewear and waterproof gloves, long-sleeved shirt, long pants, socks and shoes. 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are polyethylene or polyvinyl chloride or viton. 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 post harvest dips or sprays to citrus, applying with any handheld nozzle or equipment, mixing or lading, cleaning up spills or equipment, or otherwise exposed to the concentrate, chemical resistant apron when applying post harvest dips and sprays to citrus, mixing or lading, cleaning up spills or equipment, or otherwise exposed to the concentrate

Engineering Controls Statements: Pilots must use an enclosed cockpit that meets the requirements listed in WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

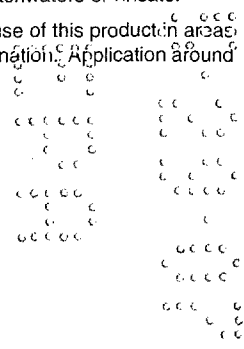
USER SAFETY RECOMMENDATIONS	
Users Should:	<ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. • Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. • Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing.

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	
<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 product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or 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 washwaters 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.



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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.

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.

For turf use, do not allow people (other than applicator) or pets on treatment area during application. Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g. wind direction, wind speed, temperature, relative humidity) and method of application (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 coarse spray (ASAE standard 572) or a volume mean diameter of 385 microns or greater for spinning atomizer nozzles.

When applying 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 coarse spray (ASAE 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.

OTHER STATE AND LOCAL REQUIREMENTS

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

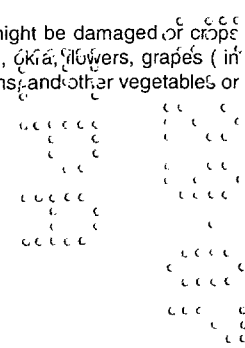
EQUIPMENT

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

Additional requirements for aerial applications: The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

USE PRECAUTIONS

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 not limited to, cotton, corn, 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. Do not spray on buffalograss, carpetgrass, dichondra, nor on grasses where desirable clovers are present. Avoid fine mists. Use a lawn type sprayer with coarse spray as wind drift is less likely. Do not spray exposed roots of desirable plants. Use the higher rate for hard-to-kill weeds. Do not exceed specified application dosages for any area. Apply to newly seeded lawns or turf after grasses are well established and have been mowed three times. Avoid broadcast applications when air temperature exceeds 90 degrees. When using small, spot treatment applications in temperature over 90 degrees, turf injury may occur.

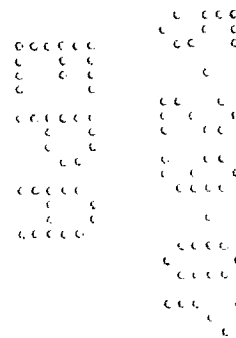
For optimum results: (1) turf should not be mowed for 1 to 2 days before and after application; (2) do not apply if rainfall is expected within 8 hours; nor should lawns be irrigated (watered) for 24 hours following application. Reseed no sooner than three to four weeks after application of this product.

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 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.

WEEDS CONTROLLED

Alder	Dogfennel	Mustard	Speedwell
Artichoke	Elderberry	Nettle	Spurge
Aster	English daisy	Orange hawkweed	Spurweed
Austrian fieldcress	Flea bane (daisy)	Oxalis	Stinkweed
Beggartick	Flixweed	Parsnip	Stitchwort
Biden	Florida pusley	Pennycress	Sumac
Bindweed	Frenchweed	Pennywort	Sunflower
Bitterweed	Galinsoga	Peppergrass	Sweet clover
Bitter wintercress	Garlic Mustard	Pepperweed	Tarweed
Black medic	Goatsbeard	Pigweed	Thistle
Blessed thistle	Goldenrod	Plantain	Toadflax
Blue lettuce	Ground ivy	Poison hemlock	Tumbleweed
Box elder	Gumweed	Poison ivy	Velvet leaf
Broomweed	Hawkweed	Poison oak	Veronica
Buckhorn	Healall	Pokeweed	Vervain
Bull thistle	Heartleaf drymary	Poorjoe	Vetch
Burdock	Hemp	Povertyweed	Virginia buttonweed
Bur ragweed	Henbit	Prickly lettuce	Virginia creeper
Buttercup	Hoary cress	Primrose	Wild aster
Canada thistle	Honeysuckle	Puncture vine	Wild carrot
Carpetweed	Horsetail	Purslane	Wild garlic
Catnip	Indiana mallow	Ragweed	Wild geranium
Chickweed	Ironweed	Red clover	Wild lettuce
Chicory	Jewelweed	Red sorrel	Wild onion
Clover	Jimsonweed	Rush	Wild radish
Cocklebur	Kochia	Russian thistle	Wild rape
Coffeebean	Knotweed	St. Johnswort	Wild strawberry
Coffeeweed	Lambsquarter	Sheep sorrel	Wild sweet potato
Common sowthistle	Locoweed	Shepherdspurse	Willow
Creeping jenny	Lupines	Smartweed	Witchweed
Croton	Mallow	Sneezeweed	Woodsorrel
Curly indigo	Marshelder	Southern wild rose	Wormseed
Dandelion	Mexicanweed	Sowthistle	Yarrow
Dock	Morningglory	Spanishneedle	Yellow rocket
Dogbane	Musk thistle	Spatterdock	and other broadleaf weeds.

Note: Repeat spot applications may be required for weed species that are traditionally harder to control.



ORNAMENTAL LAWNS AND TURF

APPLICATIONS	USE RATE		USE DIRECTIONS
Cool Season Grasses (Such as Bluegrass, Fescue and Ryegrass)	1.1 to 1.5 fluid ounces per 1,000 square feet	3 to 4 pints per acre	For Normal Application: Use in 1 to 4 gallons of water per 1,000 square feet (20 to 230 gallons of water per acre).
Warm Season Grasses (Such as Bahia, Common Bermuda, and Zoysia)		1.75 to 2.5 pints maximum in 20 to 230 gallons of water per acre	Note: Some hybrid Bermuda grasses may be sensitive to this product. Contact your local Extension Service weed control specialist.
Bentgrass Turf (Putting and Bowling Greens)	.62 to .92 fluid ounce per 1,000 square feet	1.7 to 2.5 pints per acre	On closely mowed Bentgrass - other than golf course greens and tees, apply this product at the same rates as for warm season grasses, in May or mid-August through September when weeds are actively growing. Exercise care to avoid over-dosing bentgrass or injury may result. Slight turf yellowing should disappear after about 1 week. On closely mowed golf course fairways and tees or bowling greens - apply when weeds are actively growing and temperatures are low. Exercise care to avoid over application to prevent injury. Temporary discoloration may occur.

For post-emergence use on turf, ornamental (such as golf courses, cemeteries, parks, sports fields, turfgrass, lawns and other grass areas) the following application restrictions apply:

The maximum seasonal rate is 3.0 lbs ae/acre, excluding spot treatment. Maximum rate per application is 1.5 lbs ae/acre, limited to 2 applications per year.

SIMILAR NON-CROP AREAS

Roadsides (including aprons and guard rails), rights-of-way, and other similar non-crop areas: For the control of broadleaf weeds, mix 2.5 pints to 3.5 pints of this product in 50 to 300 gallons of water. This mixture will cover 43,560 square feet (1 acre). Thoroughly saturate all weeds with spray mixture. Apply when plants come into full leaf (spring) to the time 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 control of woody plants, apply to both stems and foliage from the time foliage is completely matured until the 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 .75 gallon to 1.25 gallons of this product to 100 gallons of water using 200 to 600 gallons of spray mixture per 43,560 square feet (1 acre) depending upon the height and thickness of the brush. Mix thoroughly before spraying.

For post-emergence (annual and perennials weeds) use on non-cropland (such as fencerows, hedgerows, roadsides, ditches, rights-of-way, utility power lines, railroads, airports and industrial sites) the following application restrictions apply: The minimum days between application is 30. The maximum rate of application is 2.0 lbs ae/acre, limited to 2 applications 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.

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. This product should be stored in a cool, dry location. Do not store near seeds, fertilizers, insecticides or fungicides. Containers should be opened in well-ventilated area. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high.

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

CONTAINER DISPOSAL: 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.

