

228-404

09/08/2008

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

SEP - 8 2008

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Nufarm Americas Inc.
150 Harvester Drive
Suite 200
Burr Ridge, IL 60527

Subject: EPA Reg. 228-404 (DTDA 12800 Lawn Weed Killer)/ 2,4-D RED Label Amendment

The labeling referred to above is in compliance with the 2,4-D RED provided that you:

- 1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
- 2) Please note: Final product reregistration can't be considered until after all active ingredients in this product are eligible for reregistration.
- 3) To the label add "Not for use on turf grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes".
- 4) The signal word text currently on the label "DANGER -PELIGRO" must be revised to read "CAUTION."
- 5) The Hazards to Humans and Domestic Animals must be revised to read: "CAUTION Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing."
- 6) The PPE section must be revised to read: "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-resistant category selection chart.

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

Long-sleeved shirt and long pants,

Shoes and socks,

Chemical-resistant gloves,

Chemical-resistant apron when mixing, loading, cleaning up spills or equipment, or otherwise exposed to the concentrate."

- 7) The mechanical transfer engineering control text may be deleted from the label.
- 8) The text "except as noted on appropriate labels" must be deleted from the second sentence of the Environmental Hazard section.
- 9) The directions to apply up to 2.6 pints of this product per 4,350 square feet (or 3.22 lbs 2,4-D ae per acre) to roadsides exceeds the maximum allowable rate of 2.0 lbs ae of 2,4-D per acre per application for noncrop areas as specified in the combined label table. The label must be revised.

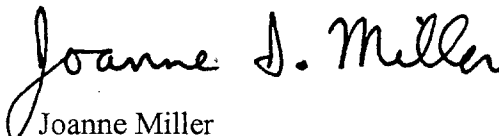
10) To the label add "Do not apply more than 2 applications per year, including broadcast applications in combination with spot treatments."

11) On page 4, under the two limitations sections change "broadcast applications" to "applications" and delete "excluding spot treatments". Delete "other similar non-crop areas" from the roadsides section.

12) To the label add "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>."

Submit one copy of the revised final printed label for the record. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

Sincerely,



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

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(Commercial Label Only)

DTDA™ 12800 LAWN WEED KILLER

ACCEPTED
with **COMMENTS**
In EPA Letter Dated:
SEP - 8 2008

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

228-404

**FOR SELECTIVE BROADLEAF WEED CONTROL IN ORNAMENTAL LAWNS
AND TURF GRASSES AND OTHER LISTED SITES. KILLS (OR CONTROLS):
DANDELION, CHICKWEED, BACK MEDIC, KNOTWEED, PLANTAIN, OXALIS,
CLOVER, COCKLEBUR, THISTLE AND MANY OTHER SPECIES OF
BROADLEAF WEEDS.**

**CONTAINS 2,4-D, TRICLOPYR AND DICAMBA
ONE QUART TREATS (OR COVERS) 12,800 SQUARE FEET**

ACTIVE INGREDIENTS:

Triisopropanolamine Salt of 2,4-D Acid*	20.7%
Triethylamine Salt of Triclopyr Acid**	1.9%
Dicamba Acid***	1.4%

OTHER INGREDIENTS:	76.0%
TOTAL:	100.0%

By Isomer Specific Method, Equivalent to:

*2,4-D Acid	11.11%, 0.992 lbs./gal.
**Triclopyr Acid	1.38%, 0.123 lbs./gal.
***Dicamba Acid	1.38%, 0.123 lbs./gal.

**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 SIDE PANEL 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**

NOTE: Spanish language is optional

EPA REG. NO. 228-404
EPA EST. NO. 228-IL-1

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



NET CONTENTS GALS.

000228-00404.20071030.PENDING RED

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER - PELIGRO**

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Avoid contact with eyes or clothing. Wear protective eyewear (goggles, face shield or safety glasses). Prolonged or frequently repeated contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, or using the toilet.

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 Statements:

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.

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/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. • 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	<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 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	
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.	

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 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.**

Do not enter or allow people (or pets) to enter the treated area until sprays have dried. 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.

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.

*Excluding Bentgrass Tees

USE PRECAUTIONS

Do not use this product for controlling weeds in flower or vegetable beds or around shrubs or ornamental plantings. Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Do not pour spray solutions near desirable plants.

Do not use on 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. Use the higher rate for hard-to-control weeds. Do not exceed specified dosages for any area; be particularly careful within the drip line of tree and other ornamental species. Do not apply to newly seeded grasses until well established. Do not spray when air temperature exceeds 90°F. Do not exceed recommended rates because damage to turf may occur. Shake well before using.

For optimum results:

- (1) Avoid applying during excessively dry or hot periods unless irrigation is used;
- (2) Avoid applying if rainfall is expected within 24 hours, nor should lawns be irrigated (watered) for 24 hours following application. If lawn needs watering, water thoroughly before application;
- (3) Turf should not be mowed 1 to 2 days before and following application; (4) 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

Alder	Bur ragweed	English daisy	Hop clover
Annual yellow sweet clover	Burweed	Fall dandelion	Horsenettle
Artichoke	Buttercup	False dandelion	Horsetail
Aster	Canada thistle	False flax	Indiana mallow
Austrian fieldcress	Carolina geranium	False sunflower	Ironweed
Bedstraw	Carpetweed	Fiddleneck	Jewelweed
Beggartick	Catchweed bedstraw	Field bindweed	Jimsonweed
Biden	Catsear	Field pansy	Kochia
Bindweed	Catnip	Flea bane (daisy)	Knawel
Bird vetch	Chickweed	Flixweed	Knotweed
Bitterweed	Chicory	Florida betony	Lambsquarter
Bitter wintercress	Cinquefoil	Florida pusley	Lespedeza
Black-eyed Susan	Clover	Frenchweed	Locoweed
Black medic	Cockle	Galinsoga	Lupine
Black mustard	Cocklebur	Garlic mustard	Mallow
Black-seed plantain	Coffeebean	Goathead	Marshelder
Blessed thistle	Coffeeweed	Goatsbeard	Matchweed
Blue lettuce	Common chickweed	Goldenrod	Mexicanweed
Blue vervain	Common mullein	Ground ivy	Milk vetch
Box elder	Common sowthistle	Gumweed	Milkweed bloodflower
Bracted plantain	Corn Chamomile	Hairy bittercress	Mugwort
Brassbultons	Creeping jenny	Hairy fleabane	Morningglory
Bristly oxtongue	Crimson clover	Hawkweed	Mousear chickweed
Broadleaf dock	Croton	Healall	Musk thistle
Broadleaf plantain	Cudweed	Heartleaf drymary	Mustard
Broomweed	Curly dock	Hedge bindweed	Narrowleaf plantain
Buckhorn	Curly indigo	Hedge mustard	Narrowleaf vetch
Buckhorn plantain	Dandelion	Hemp	Nettle
Bulbous buttercup	Dead nettle	Henbit	Orange hawkweed
Bull nettle	Dock	Hoary cress	Oxalis
Bull thistle	Dogbane	Hoary plantain	Oxeye daisy
Burdock	Dogfennel	Hoary vervain	Parsley-piert
Burning nettle	Elderberry	Honeysuckle	Parsnip

Pearlwort	Rough fleabane	Stitchwort	White mustard
Pennycress	Roundleafed marigold	Strawberry clover	Wild mustard
Pennywort	Rush	Sumac	Wild aster
Peppergrass	Russian pigweed	Sunflower	Wild buckwheat
Pepperweed	Russian thistle	Sweet clover	Wild carrot
Pigweed	St. Johnswort	Tall nettle	Wild four-o'clock
Pineywoods bedstraw	Scarlet pimpernel	Tall vervain	Wild garlic
Plains coreopsis	Scotch thistle	Tansy mustard	Wild geranium
Plantain	Sheep sorrel	Tansy ragwort	Wild lettuce
Poison hemlock	Shepherdspurse	Tanweed	Wild marigold
Poison ivy	Slender plantain	Tarweed	Wild onion
Poison oak	Smallflower galinsoga	Thistle	Wild parsnip
Pokeweed	Smartweed	Tick trefoil	Wild radish
Poorjoe	Smooth dock	Toadflax	Wild rape
Povertyweed	Smooth pigweed	Trailing Crownvetch	Wild strawberry
Prickly lettuce	Sneezeweed	Tumble mustard	Wild sweet potato
Prickly sida	Southern wild rose	Tumble pigweed	Wild vetch
Primrose	Sowthistle	Tumbleweed	Willow
Prostrate knotweed	Spanishneedle	Velvet leaf	Witchweed
Prostrate pigweed	Spatterdock	Venice mallow	Woolly morning-glory
Prostrate spurge	Speedwell	Veronica	Woodsorrel
Prostrate vervain	Spiny Amaranth	Vervain	Woolly croton
Puncture vine	Spiny cocklebur	Vetch	Woolly plantain
Purslane	Spotted catsear	Virginia buttonweed	Wormseed
Ragweed	Spotted knapweed	Virginia creeper	Yarrow
Red clover	Spotted spurge	Virginia pepperweed	Yellow rocket
Redroot pigweed	Spurge	Wavyleaf bullthistle	Yellowflower pepperweed and other broadleaf weeds.
Red sorrel	Spurweed	Western clematis	
Redstem filaree	Stinging nettle	Western salsify	
Rough cinquefoil	Stinkweed	White clover	

After applying this product, many broadleaf weeds will begin to show visible signs of leaf curl within a few days. Some hard-to-kill (or control) broadleaf weeds may require a second broadcast treatment in 3 to 4 weeks. In the event further applications are needed, use as a spot treatment.

Apply this product at the rate of 1.6 to 2.4 pints in 4 to 50 gallons of water per 12,800 square feet (2 to 3 fluid ounces in 1/2 to 5 gallons of water per 1,000 square feet) to control weeds growing in turf planted to bluegrass, fescue, rye, bent (excluding golf course greens and tees), bahia, bermuda and zoysia.

Note: Some hybrid Bermudagrasses may be sensitive to this product. Contact your local Extension Service weed control specialist.

Disposable Sprayer and Bottle Instructions: Determine area to be sprayed. Apply at a rate of 32 ounces (1 quart) per 12,800 square feet. Remove bottle cap and screw bottle into nozzle. Connect spray nozzle to hose while holding sprayer at waist level, point in direction away from face and body. Turn on the water at the tap. Place finger over hole on right side of nozzle (or turn on/off lever to the "on" position) and this product will mix automatically at the proper ratio. Walk back and forth at steady pace.

(Optional - Marks below for 1 quart disposable bottle. Not to scale)

- 2,560 square feet
- 5,120 square feet
- 7,680 square feet
- 10,240 square feet

Limitations: The maximum application rate is 3.5 pints per 12,800 square feet. The maximum number of broadcast applications is 2 per year. The maximum seasonal rate is 7 pints per 12,800 square feet, excluding spot treatments.

Roadsides (including aprons and guard rails), rights-of-way, drainage ditchbanks, and other similar non-crop areas: For control of broadleaf weeds, mix at a rate of 0.8 to 2.6 pints of this product per 5 to 30 gallons of water. This mixture will cover 4,350 square feet. 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.

Limitations: The maximum application rate is 1.6 pints per 4,350 square feet. The maximum number of broadcast applications is 2 per year. Minimum of 30 days between applications.

For refill of DTDA Lawn Weed Killer: Put 1.9 ounces of this product into the labeled empty quart container. Then add 30.1 ounces of tap water. Trigger Sprayer - adjust spray nozzle to give coarse spray. Aim at center of weed and spray to wet. Applicator Cap - Hold applicator end about 6 inches from surface to be treated and thoroughly wet. To obtain wider coverage raise container. One application should be sufficient. Effects begin to show after a few days and weeds gradually die. Repeat as necessary.

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 the product. 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. 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.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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