



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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

SEP 19 2008

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

Dear Mr. Meindl:

Subject: Label Amendment for RED: 2,4-D, and Dicamba  
Millennium Ultra Weed and Feed  
EPA Registration Number 228-343

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. The text "Wear long pants, long-sleeved shirt, socks and shoes when applying this product. After using the product, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water" appearing in the section entitled Hazard to Humans and Domestic Animals is either incomplete or duplicated elsewhere on the label and should be deleted.
2. Per the combined 2,4-D/Dicamba label table, "chemical-resistant gloves made of any waterproof material" must be added to the handler PPE section.
3. It is unclear whether this product is intended for sod farm use. The label must either be revised to include exclusionary text such as "Not for use on turf grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes" or include an Agricultural Use Requirements box that lists an REI of 48 hours and early entry PPE (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.)
4. The text "Do not allow people (other than the applicator) or pets on treatment area during application. Do not enter treatment areas until dust has settled" and "The maximum number of broadcast applications per treatment site is 2 per year" should be relocated to the Directions for Use.

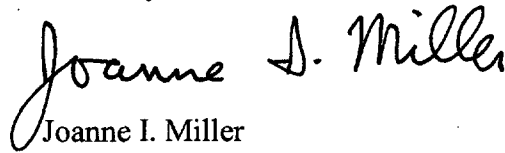
5. The following text must be added to the label:

“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.”

6. Please note: Final product reregistration cannot be considered until after all active ingredients in this product are eligible for reregistration.

One copy of the label stamped “Accepted with Comments” is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment. If you have any questions, please contact Tracy White by phone at (703) 308-0042 or via email at [white.tracy@epa.gov](mailto:white.tracy@epa.gov).

Sincerely,



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

Enclosure

(Commercial Only Label)

# MILLENNIUM ULTRA WEED AND FEED

THIS PRODUCT IS A PREMIUM GRADE HERBICIDE AND TURF FOOD COMBINATION WHICH CONTROLS A WIDE SPECTRUM OF BROADLEAF WEEDS WHILE PROVIDING BOTH FAST AND LONG FEEDING ACTION.

CONTAINS 2,4-D, CLOPYRALID AND DICAMBA

Weeds contacted by this product gradually die and disappear from the lawn.  
Treats (or covers) 5,000 Square Feet (50' x 100')

**ACTIVE INGREDIENTS:**

Dimethylamine Salt of 2,4-D*	0.690%
Clopyralid Acid**	0.071%
Dicamba Acid***	0.071%

**OTHER INGREDIENTS:**

TOTAL: 100.000%

BY ISOMER SPECIFIC METHOD, EQUIVALENT TO:

*2,4-D Acid	0.573%
**Clopyralid Acid	0.071%
***Dicamba Acid	0.071%

**GUARANTEED ANALYSIS:**

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	X%
Soluble Potash (K <sub>2</sub> O)	X%
Primary Plant Foods derived from Ammonium Phosphate, Sulfur Coated Urea, Urea, Triple Super Phosphate, and Muriate of Potash.	
Chlorine (Cl) Maximum	X%

The urea nitrogen in this product has been coated to provide X% coated slow release urea nitrogen.  
Fertilizer guaranteed by (Name of fertilizer registrant)

**IN NEW YORK STATE, THIS PRODUCT MAY ONLY BE SOLD TO AND USED BY PROFESSIONAL APPLICATORS AND IS PROHIBITED FROM SALE AND USE IN NASSAU AND SUFFOLK COUNTIES.  
IN CALIFORNIA, OREGON, AND WASHINGTON, TURFGRASS AND LAWN USES ARE RESTRICTED TO GOLF COURSES ONLY.**

This product cannot be used on Agricultural, Forest sites or Right-of-way.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE BACK 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

EPA REG. NO. 228-343  
EPA EST. NO. 228-IL-1

ACCEPTED MANUFACTURED BY  
with COMMENTS NUFARM AMERICAS INC.  
In EPA Letter Date: HARVESTER DRIVE  
SEP 19 2008 BARR RIDGE, IL 60527



NET WEIGHT LBS.

000228-00343.20080310.EPA.24d:Pending

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

228-343

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wear long pants, long-sleeved shirt, socks and shoes when applying this product. 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 per treatment site is 2 per year. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until dust has settled.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

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

- long-sleeved shirt and long pants,
- shoes plus socks

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.

<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>HOT LINE NUMBER</b>	
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. 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.**

This product is for use on Ornamental Turf Lawns (Industrial and Institutional), Parks Cemeteries, Athletic and Recreational Sports Fields, Golf Courses (Fairways, Aprons, Tees\* and Roughs) and similar turf areas. \*Excluding Bentgrass Tees.

Do not use on Centipede, Dichondra, and St. Augustine. Do not use this product where desirable clovers are present or allow the product to "wind drift" onto flowers, vegetables, ornamentals, shrubs, trees or other desirable plants. Do not apply when air temperature exceeds 90°F. Avoid overlapping.

Do not use on residential turf. Do not collect grass clippings for mulch or compost. Do not send clippings to a compost facility. Applicator must give notice to landowners/property managers to not use grass clippings for mulching or composting.

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**WEEDS CONTROLLED**

This product is designed to promote lush green growth in lawns and control many broadleaf weeds such as:

- |                            |                      |                       |                           |
|----------------------------|----------------------|-----------------------|---------------------------|
| Alder                      | Dogbane              | Orange hawkweed       | Stinging nettle           |
| Annual yellow sweet clover | Dogfennel            | Oxalis                | Stinkweed                 |
| Artichoke                  | Elderberry           | Oxeye daisy           | Stitchwort                |
| Aster                      | English daisy        | Parsley-piert         | Strawberry clover         |
| Austrian fieldcress        | Fall dandelion       | Parsnip               | Sumac                     |
| Bedstraw                   | False dandelion      | Pearlwort             | Sunflower                 |
| Beggartick                 | False flax           | Pennycress            | Sweet clover              |
| Biden                      | False sunflower      | Pennywort             | Tall nettle               |
| Bindweed                   | Fiddleneck           | Peppergrass           | Tall vervain              |
| Bird vetch                 | Field bindweed       | Pepperweed            | Tansy mustard             |
| Bitterweed                 | Field pansy          | Pigweed               | Tansy ragwort             |
| Bitter wintercress         | Flea bane (daisy)    | Pineywoods bedstraw   | Tanweed                   |
| Black-eyed Susan           | Flixweed             | Plains coreopsis      | Tarweed                   |
| Black Medic                | Florida betony       | Plantain              | Thistle                   |
| Black Mustard              | Florida pusley       | Poison hemlock        | Tick trefoil              |
| Black-seed plantain        | Frenchweed           | Poison ivy            | Toadflax                  |
| Blessed thistle            | Galinsoga            | Poison oak            | Trailing Crownvetch       |
| Blue lettuce               | Garlic mustard       | Pokeweed              | Tumble mustard            |
| Blue vervain               | Goathead             | Poorjoe               | Tumble pigweed            |
| Box elder                  | Goatsbeard           | Povertyweed           | Tumbleweed                |
| Bracted plantain           | Goldenrod            | Prickly lettuce       | Velvet leaf               |
| Brassbuttons               | Ground ivy           | Prickly sida          | Venice mallow             |
| Bristly oxtongue           | Gumweed              | Primrose              | Veronica                  |
| Broadleaf dock             | Hairy bittercress    | Prostrate knotweed    | Vervain                   |
| Broadleaf plantain         | Hairy fleabane       | Prostrate pigweed     | Vetch                     |
| Broomweed                  | Hawkweed             | Prostrate spurge      | Virginia buttonweed       |
| Buckhorn                   | Healall              | Prostrate vervain     | Virginia creeper          |
| Buckhorn plantain          | Heartleaf drymary    | Puncture vine         | Virginia pepperweed       |
| Bulbous buttercup          | Hedge bindweed       | Purslane              | Wavyleaf bullthistle      |
| Bull nettle                | Hedge mustard        | Ragweed               | Western clematis          |
| Bull thistle               | Hemp, Henbit         | Red clover            | Western salsify           |
| Burdock                    | Hoary cress          | Redroot pigweed       | White clover              |
| Burning nettle             | Hoary plantain       | Red sorrel            | White mustard             |
| Bur ragweed                | Hoary vervain        | Redstem filaree       | Wild aster                |
| Burweed                    | Honeysuckle          | Rough cinquefoil      | Wild buckwheat            |
| Buttercup                  | Hop clover           | Rough fleabane        | Wild carrot               |
| Canada thistle             | Horsenettle          | Roundleafed marigold  | Wild four-o'clock         |
| Carolina geranium          | Horsetail            | Rush                  | Wild garlic               |
| Carpetweed                 | Indiana mallow       | Russian pigweed       | Wild geranium             |
| Catchweed Bedstraw         | Ironweed             | Russian thistle       | Wild lettuce              |
| Catsear                    | Jewelweed            | St. Johnswort         | Wild marigold             |
| Catnip                     | Jimsonweed           | Scarlet pimpernel     | Wild mustard              |
| Chickweed                  | Kochia               | Scotch thistle        | Wild onion                |
| Chicory                    | Knawel               | Sheep sorrel          | Wild parsnip              |
| Cinquefoil                 | Knotweed             | Shepherdspurse        | Wild radish               |
| Clover                     | Lambsquarter         | Slender plantain      | Wild rape                 |
| Cockle                     | Lespedeza            | Smallflower galinsoga | Wild strawberry           |
| Cocklebur                  | Locoweed             | Smartweed             | Wild sweet potato         |
| Coffeebean                 | Lupine               | Smooth dock           | Wild vetch                |
| Coffeeweed                 | Mallow               | Smooth pigweed        | Willow                    |
| Common chickweed           | Marshelder           | Sneezeweed            | Witchweed                 |
| Common mullein             | Matchweed            | Southern wild rose    | Woolly croton             |
| Common sowthistle          | Mexicanweed          | Sowthistle            | Woolly morning-glory      |
| Corn Chamomile             | Milk vetch           | Spanishneedle         | Woolly plantain           |
| Creeping jenny             | Milkweed bloodflower | Spatterdock           | Woodsorrel                |
| Crimson clover             | Mugwort              | Speedwell             | Wormseed                  |
| Croton                     | Morningglory         | Spiny amaranth        | Yarrow                    |
| Cudweed                    | Mousear chickweed    | Spiny cocklebur       | Yellow rocket             |
| Curly dock                 | Musk thistle         | Spotted catsear       | Yellowflower pepperweed   |
| Curly indigo               | Mustard              | Spotted knapweed      | and other broadleaf weeds |
| Dandelion                  | Narrowleaf plantain  | Spotted spurge        |                           |
| Dead nettle                | Narrowleaf vetch     | Spurge                |                           |
| Dock                       | Nettle               | Spurweed              |                           |

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**WHEN TO APPLY:** Best results are obtained when weeds are growing actively in spring or early fall. Avoid contact with desirable shrubs, plants, vegetables, or flowers; especially when applying with a rotary (spinner) type spreader. Do not reseed for at least 3 to 4 weeks after application. Do not apply to newly seeded or sodded lawn until after 3 mowings. For optimum results (1) Avoid mowing 1 to 2 days before and after application; (2) Apply when grass is moist (after a rain, sprinkling or dew); (3) Avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material; and (4) Avoid applying if rainfall is expected within 48 hours following treatment. Possible retreatment in approximately 30 days may be necessary if lawn is heavily overrun with weeds or if adverse low moisture conditions prevail and weeds are in a state of poor growth. Do not exceed recommended rates because damage to turf may occur.

**NOTE:** When applying to listed Warm Season Grasses - under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration. It is recommended that during hot, dry conditions, application rates should be reduced 50% to avoid possible dehydration or browning of grass.

**HOW TO APPLY:** This 20 (or 18) pound bag should be used on 5,000 square feet. Apply evenly with a lawn spreader as a one pass application. A two pass application, criss-crossing the area at half the rate each time is also acceptable.

The following settings are approximate for applying contents of this package at a suggested rate of 4 (or 3.6 for 18 lb. Bag) pounds per 1,000 square feet. Settings are based on an average walking speed. Reduce setting for slower speed; raise setting for higher speed. Check your spreader on 250 square feet and adjust to apply at the rate of 1 (.9 for 18 lb. Bag) pound per 250 square feet.

**SPREADER SETTINGS  
ONE PASS APPLICATION'**

<u>MAKE</u>	<u>SETTING</u>
Central Calibrated	5
Cyclone Broadcast	3-3/4
Jackson	5
Sears Broadcast	3
Sears	5
Scotts Calibrated	4

Sweep (do not wash) all fertilizer materials from surfaces immediately after application, because certain fertilizer ingredients can cause permanent stains. Wash out spreader after each use and allow it to dry thoroughly. Treat any exposed metal spreader areas with oil to reduce corrosion.

(The following paragraph is mandatory in Kentucky when the nitrogen analysis does not provide 1 pound of nitrogen/1,000 square feet; otherwise, this information is optional.)

A lawn typically will utilize 1 to 4 pounds of nitrogen per 1,000 square feet per growing season. When used as directed, this product will supplement your regular fertilizer program by providing \*(No. of lbs.)\* pounds of nitrogen per 1,000 square feet (optional P205 and K20 levels) and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

\*Based on Inert Fertilizer claimed.

**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. Do not stack more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides.

**PRODUCT DISPOSAL:** Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, clean up all spilled material. 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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay away from 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

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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.

**LIMITATION OF LIABILITY**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

**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.**

(RV031008R)

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**OPTIONAL SPREADER INSTRUCTIONS:**

(Illustration)For Drop Spreaders: First apply two strips at ends. Then apply product along the length of the lawn, overlapping very slightly and shutting off spreader when turning.

(Illustration)For Rotary Spreaders: Apply in a circular path, starting on the outside and working toward the center, overlapping very slightly.

Suggested spreader settings are not intended to replace calibration.

Please calibrate your spreader prior to applying product.

XXX pounds treats XXX square feet at the XXX pounds per acre rate

**OPTIONAL MARKETING STATEMENTS**

Contains Millennium Ultra™ - A Premium Selective Herbicide

**OPTIONAL MARKETING STATEMENT(S)**

For Both Cool Season & Warm Season Grasses

Formulated for Fast Herbicide Response

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The following note will not be part of the actual label copy.

<sup>1</sup>Note: Guaranteed (fertilizer) Analysis and Spreader Settings will vary among various commercial fertilizer manufacturers. Chlorine declaration and fertilizer guarantee are optional except where mandated by State fertilizer regulation.

**EDITOR'S NOTE:**

<sup>2</sup>The State Sale and Use Prohibitions of this product must be part of printed label text for any product which might possibly enter the channels of trade in the states of New York, California, Oregon and/or Washington. The state label prohibition is optional for all other states.

Special Editor's Note: **REVISED**