

228-163

7/31/2003

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JUL 31 2003

Russell F. Sawyer  
Nufarm Americas, Inc.  
Riverdale - A Nufarm Company  
1333 Burr Ridge Parkway, Suite 125A  
Burr Ridge, IL 60527-0866

Dear Mr. Sawyer:

SUBJECT: Riverdale Weed and Feed  
Label Amendment  
EPA Registration No. 228-163 ✓  
Your Application Dated March 7, 2003

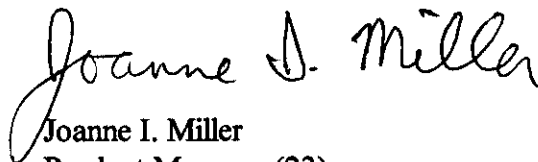
The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable provided that the following revisions are made:

- 1. The site "ornamental turf" must be more clearly defined on both sub labels
  - a.. On the "Residential" Ornamental Turf Labeling the following sites are acceptable; Lawn, lawns, Ornament Lawns, Ornamental Turf Lawns, Residential Turf, Established Residential Turf, or Residential Turf Lawns. All other sites must be deleted from the "residential" label.
  - b. On the "Commercial" Ornamental Turf Labeling we have no objection to the phrase "Ornamental Turf such as Lawns (Residential, Industrial and Institutional), Parks, Cemeteries, Athletic Fields and Golf Courses (Fairways, Aprons, Tees and Roughs) and similar turf areas". If you used the term "such as" you must add the Worker Protection Exclusionary Statement if it is not already on the label. The term "such as" is so broad it implies that the product could be applied on any ornamental turf site including sod farms.

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The amended label supersede all previously accepted ones. A stamped copy is enclosed for your records. Please submit one copy of your printed label before you release the product for shipment.

Sincerely yours,

A handwritten signature in cursive script that reads "Joanne I. Miller". The signature is written in black ink and is positioned above the printed name.

Joanne I. Miller  
Product Manager (23)  
Herbicide Ranch  
Registration Division (7505C)

Enclosure

(Commercial)

3 7 10

RIVERDALE®

PREMIUM WEED & FEED

X - X - X

FOR LAWNS AND ORNAMENTAL TURF

TREATS (OR COVERS) 5,000 SQ. FT. (50' x 100')

This weed and feed product is a remarkably effective lawn fertilizer which combines fast and long-lasting feeding action, plus effective weed control. This product produces a thick, green turf while killing weeds to make way for new turf growth.

Riverdale Premium Weed & Feed is designed for the control of dandelion, clover, and many other broadleaf weeds. Weeds contacted by this product gradually die and disappear from the lawn. See back panel for a list of weeds controlled by Riverdale Weed & Feed.

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	1.35%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid†	0.45%

INERT INGREDIENTS:	98.20%
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TOTAL	100.00%
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ACCEPTED with COMMENTS

In EPA Letter Dated JUL 31 2003

Isomer Specific, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	0.90%
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†CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p.

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

228-163

GUARANTEED ANALYSIS:°

Total Nitrogen (N)	X%
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X% Ammoniacal Nitrogen

X% Urea Nitrogen

Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	X%
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Soluble Potash (K <sub>2</sub> O)	X%
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Primary Plant Foods derived from Ammonium Phosphate, Sulfur Coated Urea, Urea, and Muriate of Potash

Chlorine (Cl) Maximum	X%
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The urea nitrogen in this product has been coated to provide X% coated slow release urea nitrogen.

Fertilizer guaranteed by (Name of fertilizer registrant)

Riverdale and The Optical Advantage are Registered Trademarks of Riverdale - A Nufarm Company

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE BACK PANEL FOR FIRST AID  
AND ADDITIONAL PRECAUTIONARY STATEMENTS**

EPA REG NO. 228-163

NET WEIGHT - 15 LBS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY NUFARM AMERICAS, INC., BURR RIDGE, ILLINOIS 60527-0866

(Back Panel)

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Causes moderate eye irritation. Avoid inhalation of dust and contact with eyes, skin, or clothing. Wear long pants, long-sleeved shirt, socks, shoes and gloves when loading and 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.

**FIRST AID STATEMENT**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters, nor pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these phenoxy pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

**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 may be used on Bluegrass, Fescue, Rye, common Bermuda, Bahia and Zoysia lawns. Do not use on dichondra, carpetgrass and St. Augustine grasses. Do not use this product where desirable clovers are present or allow the product to "wind drift" on flowers, vegetables or ornamental shrubbery. When using a spinner type (rotary) spreader, use extreme caution to avoid any contact with desirable plants.

This product is designed to promote lush green growth in lawns and control many broadleaf weeds such as: Bindweed, Black medic, Blue lettuce, Buckhorn, Burdock, Chickweed, Chicory, Cinquefoil, Clover, Cocklebur, Croton, Dandelion, Dock, Fanweed, Galinsoga, Goldenrod, Ground ivy, Hawkweed, Healall, Henbit, Jewelweed, Jimsonweed, Kochia, Knotweed,

Lambsquarter, Mallow, Morningglory, Mustard, Nettle, Oxalis, Pennywort, Peppergrass, Pigweed, Plantain, Povertyweed, Purslane, Ragweed, Shepherds purse, Smartweed, Speedwell, Spotted spurge, Thistle, Vervain, Vetch, Wild aster, Wild lettuce, Wild radish and Yarrow.

**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 water 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.

**HOW TO APPLY:** This 15 pound bag should be used on 5000 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 equal to one application.

The following settings are approximate for applying contents of this package at a suggested rate of 3.0 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 a rate of 0.75 lb. per 250 square feet.

**SPREADER SETTINGS°**  
For One Pass Application

MAKE	SETTING	MAKE	SETTING
Cyclone	3-1/2	Central	5
Scotts Drop	4	K-Mart	5
Scotts Rotary	E	Jackson Drop	5
Show-N-Tell	5	Jet Spray	3-1/2
Sears Drop	5	Sears Rotary	3

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 lb. 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 P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O 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.

## Environmental Benefits

(Grasscycling  
Logo)

Besides increasing property values, did you know a well-maintained lawn provides the following benefits to your home and environment:

*Grass clippings and yard waste are approximately 20% of the volume in our nation's landfills. To do your part to reduce this amount, leave grass clippings on your lawn. Increased mowing height and frequency will produce smaller grass clippings that will decompose more readily so nutrients go back into your lawn.*

- ✓ A 50' x 50' lawn produces enough oxygen for a family of 4 every day
- ✓ Reduces Glare & Reduces Noise
- ✓ Traps Dust, Smoke Particles & other Pollutants
- ✓ Purifies Water & Modifies Temperature
- ✓ Improves Soil Condition & Controls Erosion

**STORAGE AND DISPOSAL**

**STORAGE:** Always use original container to store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizer, seed, or other pesticide. Do not stack more than two pallets high. Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE 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.

**NOTICE:** Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

(RV 030703)

**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.

**OPTIONAL MARKETING STATEMENTS**

Formulated for your area: Nitrogen to help promote green thick lawns. Includes slow release nitrogen for extended lawn feeding; Phosphoric Acid to help provide strong, vigorous roots; and, Potash to help increase resistance to disease and drought.

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

°NOTE: Guaranteed (fertilizer) Analysis and Spreader Settings will vary among various commercial fertilizer manufacturers. Chlorine declaration and fertilizer guarantor are optional except where mandated by State fertilizer regulation.

7/10

(Non-Commercial Label)

RIVERDALE®

PREMIUM WEED & FEED

X - X - X

FOR LAWNS AND ORNAMENTAL TURF

TREATS (OR COVERS) 5,000 SQ. FT. (50' x 100')

This weed and feed product is a remarkably effective lawn fertilizer which combines fast and long-lasting feeding action, plus effective weed control. This product produces a thick, green turf while killing weeds to make way for new turf growth.

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ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid\* . . . . . 1.35%  
(+) -R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid\*\* . . . . . 0.45%

INERT INGREDIENTS: . . . . . 98.20%  
TOTAL . . . . . 100.00%

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
JUL 31 2003

Isomer Specific Equivalent to:

\*2,4-Dichlorophenoxyacetic Acid . . . . . 0.90%

\*\*CONTAINS THE SINGLE FORM OF MECOPROP-p

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%

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
228-163

Primary Plant Foods derived from Ammonium Phosphate, Sulfur Coated Urea, Urea, 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)

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KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR FIRST AID  
AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG NO. 228-163

NET WEIGHT - 15 LBS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY NUFARM AMERICAS, INC., BURR RIDGE, ILLINOIS 60527-0866

Revised 3/7/03 Changed First Aid Statement per PR 2001-1 and Disposal Statement per PR 2001-6 via Amendment.

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(Back Panel)

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

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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



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application; (2) Apply when grass is moist (after a rain, sprinkling or dew); (3) Avoid unnecessary disturbances, including water 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.

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For One Pass Application

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°Based on Inert fertilizer claimed.

## Environmental Benefits

(Glasscycling Logo)

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- ✓ A 50' x 50' lawn produces enough oxygen for a family of 4 every day
- ✓ Reduces Glare & Reduces Noise
- ✓ Traps Dust, Smoke Particles & other Pollutants
- ✓ Purifies Water & Modifies Temperature
- ✓ Improves Soil Condition & Controls Erosion

### STORAGE AND DISPOSAL

**STORAGE:** Always use original container to store pesticides and keep any bags containing unused product in locked storage area inaccessible to children and domestic animals. Do not store near feed or foodstuffs. To prevent cross-contamination, do not store near open containers of fertilizer, seed or other pesticides.

**DISPOSAL: If empty** - Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled** - If product cannot be used as directed, or offered to others for their use, call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

**NOTICE:** Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

(RV 030703)

OPTIONAL SPREADER INSTRUCTIONS:

- (Illustration) For Drop Spreaders: First apply two strips at ends. Then apply product along the length of the lawn, over-lapping 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, over-lapping very slightly.

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