

228-412

6/3/21/2005

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

 EPA United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 228-412	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Riverdale Viper Weed and Feed	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 1333 Burr Ridge Parkway Suite 125A Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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NOTIFICATION

MAR 21 2005

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Label notification per PR notice 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statements to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

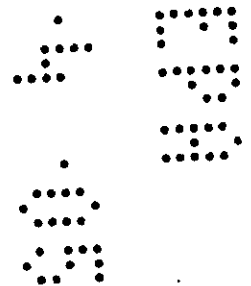
Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name George Meindl	Title Registration Manager	Telephone No. (Include Area Code)
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Manager	
4. Typed Name George Meindl	5. Date 3/2/2005	

NOTIFICATION
MAR 21 2005

(Residential)

RIVERDALE® VIPER™ WEED AND FEED (18#/5M)



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, MECOPROP-p AND DICAMBA

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

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	1.196%
2,4-Dichlorophenoxyacetic Acid*	0.162%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**†	0.319%
Dicamba (3,6-Dichloro-o-Anisic Acid)**	0.080%
OTHER INGREDIENTS:	98.253%
TOTAL:	100.000%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid (Total)	0.955%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.319%
***3,6-Dichloro-o-Anisic Acid	0.080%

†CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

GUARANTEED ANALYSIS:

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	X%
Soluble Potash(K ₂ O)	X%
Primary Plant Foods derived from (List sources).	
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)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**
SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 228-412
EPA EST. NO. 228-IL-1

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



NET WEIGHT LBS.
000228-00412.20050302.

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

Causes moderate eye irritation. Avoid contact with skin, eyes, 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.

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.
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

Drift or runoff may adversely affect nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

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.**

VIPER™ WEED AND FEED is a stable mixture of four herbicides. It is for use on residential turf.

This product may be used on Bahia, common Bermuda, Blue Grass, Centipede, Fescue, Rye, St. Augustine, and Zoysia grass. **DO NOT USE** on Dichondra and Carpet grass. **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.

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

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

Prostrate spurge	Smallflower galinsoga	Sumac	Virginia buttonweed	Wild strawberry
Prostrate vervain	Smartweed	Sunflower	Virginia creeper	Wild sweet potato
Puncture vine	Smooth dock	Sweet clover	Virginia pepperweed	Wild vetch
Purslane	Smooth pigweed	Tall nettle	Wavyleaf bullthistle	Willow
Ragweed	Sneezeweed	Tall vervain	Western clematis	Witchweed
Red clover	Southern wild rose	Tansy mustard	Western salsify	Wooly morningglory
Redroot pigweed	Sowthistle	Tansy ragwort	White clover	Woodsorrel
Red sorrel	Spanishneedle	Tanweed	White mustard	Wooly croton
Redstem filaree	Spatterdock	Tarweed	Wild mustard	Wooly plantain
Rough cinquefoil	Speedwell	Thistle	Wild aster	Wormseed
Rough fleabane	Spiny amaranth	Tick trefoil	Wild buckwheat	Yarrow
Roundleaved marigold	Spiny cocklebur	Toadflax	Wild carrot	Yellow rocket
Rush	Spotted catsear	Trailing crownvetch	Wild four-o'clock	Yellowflower pepperweed,
Russian pigweed	Spotted knapweed	Tumble mustard	Wild garlic	
Russian thistle	Spotted spurge	Tumble pigweed	Wild geranium	
St. Johnswort	Spurge	Tumbleweed	Wild lettuce	and other broadleaf weeds.
Scarlet pimpernel	Spurweed	Velvet leaf	Wild marigold	
Scotch thistle	Stinging nettle	Venice mallow	Wild onion	
Sheep sorrel	Stinkweed	Veronica	Wild parsnip	
Shepherdspurse	Stitchwort	Vervain	Wild radish	
Slender plantain	Strawberry clover	Vetch	Wild rape	

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 Southern Grasses - under conditions of inadequate moisture, high temperature and high humidity, over-application may cause minor transitory discoloration on Centipede and St. Augustine grasses. 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 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 equal to one application.

The following settings are approximate for applying contents of this package at a suggested rate of 3.6 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 0.9 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 P₂O₅ and K₂O 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

PESTICIDE STORAGE: Store in original container 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, 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.

(RV022604)

Riverdale and The Optical Advantage are Registered Trademarks of Nufarm Americas Inc. Viper is a Trademark of Nufarm Americas Inc.

Patent Pending

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 LABEL LANGUAGE FOR DIFFERENT BAG SIZES:

XX pound bag should treat XXXXX square feet

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 guarantee are optional except where mandated by State fertilizer regulation.

- Editor's notes:**
1. Subregistrant Warranty Statements previously accepted by U.S. EPA for use on their own registered products are not included on this label.
 2. Subregistrant's trademark name acknowledgments are not included on this label.

6/10

NOTIFICATION
MAR 21 2005

(Commercial)

RIVERDALE® VIPER™ WEED AND FEED (18#/5M)

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CONTAINS 2,4-D, MECOPROP-p AND DICAMBA

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

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	1.196%
2,4-Dichlorophenoxyacetic Acid*	0.162%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.319%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	0.080%

OTHER INGREDIENTS:	98.253%
TOTAL:	100.000%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid (Total)	0.955%
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***3,6-Dichloro-o-Anisic Acid	0.080%

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

GUARANTEED ANALYSIS:

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	X%
Soluble Potash(K ₂ O)	X%
Primary Plant Foods derived from (List sources).	
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)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**
SEE BACK PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 228-412
EPA EST. NO. 228-IL-1

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



NET WEIGHT LBS.
000228-00412.20050302.

7/P

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

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes, 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.

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.
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

Drift or runoff may adversely affect nontarget 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 MCP-p 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 or 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.

VIPER™ WEED AND FEED is a stable mixture of four herbicides. It 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.

This product may be used on Bahia, common Bermuda, Blue Grass, Centipede, Fescue, Rye, St. Augustine, and Zoysia grass. DO NOT USE on Dichondra and Carpet grass. 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.

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

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

(continued.)

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

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.

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The following settings are approximate for applying contents of this package at a suggested rate of 3.6 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 0.9 pound per 250 square feet.

SPREADER SETTINGS ONE PASS APPLICATION*

MAKE	SETTING
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.

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K₂O 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

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.

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.

(RV022604)

Riverdale and The Optical Advantage are Registered Trademarks of Nufarm Americas Inc. Viper is a Trademark of Nufarm Americas Inc.

Patent Pending

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 LABEL LANGUAGE FOR DIFFERENT BAG SIZES:

XX pound bag should treat XXXXX square feet.

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

^aNOTE: Guaranteed (fertilizer) Analysis and Spreader Settings will vary among various commercial fertilizer manufacturers. Chlorine declaration is optional except where mandated by State fertilizer regulation.

- Editor's notes:**
1. Subregistrant Warranty Statements previously accepted by U.S. EPA for use on their own registered products are not included on this label.
 2. Subregistrant's trademark name acknowledgments are not included on this label.



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March 2, 2005

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U. S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 Bell Street
Arlington, VA 22202-4501

Subject: Riverdale® Viper™ Weed and Feed EPA Reg. No. 228-412
Final Printed label per Agency letter dated February 26, 2004 and
label notification per PR98-10

Dear Ms. Hobgood:

Enclosed are the subject product's final print labeling, which is consistent with the EPA comment letter and EPA stamped label dated 2/26/2004.

Nufarm America, Inc has also added optional language to allow for a different bag size. This language is consistent with PRN98-10 section II (Labeling notifications) part E (changes in packaging and related labeling statements) and section IV (Non-notifications) part B (Changes in packaging size and net contents)

If you should have any questions regarding this matter, please feel free to contact me at 708.755.7277 or email at george.meindl@us.nufarm.com.

Sincerely,

A handwritten signature in black ink that reads 'George Meindl'.

George Meindl
Registration Manager
Nufarm Americas, Inc.