



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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

20 JUN 2008

George Meindl
Nufarm Americas Inc.
1333 Burr Ridge Parkway Suite 125A
Burr Ridge, IL 60527

Dear Mr. Meindl:

Subject: RED Label 2,4-D, Dicamba and MCPP-p
Riverdale Sweet Sixteen Weed and Feed with Viper
EPA Registration Number 228-401

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. Please clarify if the occupational use product is intended for sod farm use. Revise label 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 and early entry PPE.
2. The following revisions are needed to the PPE section:
 - Because this product is applied with a spreader, the text "except for applicators using groundboom equipment" must be deleted from the glove statement in the handler PPE section.
 - The text "Some materials that are chemical-resistant to this product are listed below" must be revised to read "Some materials that are chemical-resistant to this product are made of any waterproof material."
 - The text "See engineering controls for additional requirements" must be deleted from the PPE section since is no engineering control text appears on the label.
3. Per the product chemistry review, you must add the appropriate residue removal text to the container disposal section.

2 8 14

page 2

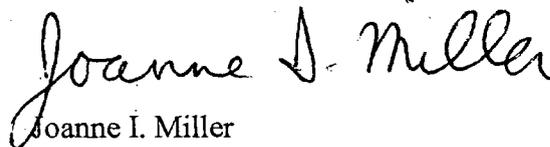
EPA Reg. No. 228-401

Homeowner Sub-label:

4. Per the product chemistry review, you must add the appropriate residue removal text to the container disposal section.
5. 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.

Sincerely,



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

Enclosure

3 8 14

Commercial

SWEET SIXTEEN WEED AND FEED WITH VIPER™

ACCEPTED
with **COMMENTS**
In EPA Letter Dated:

20 JUN 2009

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

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®

228-401

ACTIVE INGREDIENTS:

Isocetyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	1.346%
2,4-Dichlorophenoxyacetic Acid*	0.182%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.359%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	0.090%

OTHER INGREDIENTS:

.....	98.023%
TOTAL:	100.000%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	1.076%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.359%
***3,6-Dichloro-o-anisic Acid	0.090%

‡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 - PRECAUCION

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 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. 228-401
EPA EST. NO. 228-IL-1

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



NET CONTENTS 16 LBS.

000228-00401.20080103.EPA24D.Pending

4 8 14

Commercial

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

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

PERSONAL PROTECTION 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 loaders, applicators, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes plus socks, and
- chemical-resistant gloves (except for applicators using groundboom equipment)

See engineering controls for additional requirements.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them. 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.

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.

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 and may adversely affect non-target plants. 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.**

Do not enter or allow people (or pets) to enter the treated area until dusts have settled. 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. Do not use this product on or near desirable plants, including within the dripline of the roots of desirable trees and shrubs, since injury may result.

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

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 16 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 3.2 pounds per 1,000 square feet. These settings are furnished only as a guide, Age, spreader condition, operating speed, and unevenness of terrain can cause variation in applied rates. 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 0.8 pounds 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 nitrogen per 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.

Limitations: The maximum rate per application is 3.2 pounds per 1,000 square feet, limited to 2 applications per year. The maximum seasonal rate is 6.4 pounds per 1,000 square feet, excluding spot treatments. Minimum of 30 days between applications.

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 store near open containers of fertilizer, seed, or other pesticides. 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.

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.

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.

(010308A)

Viper is a trademark of Nufarm Americas Inc.
The Optical Advantage is a registered trademark of Nufarm Americas Inc.

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.

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 is optional except where mandated by State fertilizer regulation.

9 3 14

Residential

SWEET SIXTEEN WEED AND FEED WITH VIPER™

ACCEPTED
with COMMENTS

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. In EPA Letter Dated: 20 JUN 2008

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')

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

GET THE OPTICAL ADVANTAGE®

228-401

ACTIVE INGREDIENTS:

Isooctyl (2-ethylhexyl) Ester of 2,4-Dichlorophenoxyacetic Acid*	1.346%
2,4-Dichlorophenoxyacetic Acid*	0.182%
(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.359%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	0.090%
OTHER INGREDIENTS:	98.023%
TOTAL:	100.000%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	1.076%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.359%
***3,6-Dichloro-o-anisic Acid	0.090%

‡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 - PRECAUCION

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 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. 228-401
EPA EST. NO. 228-IL-1

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



NET CONTENTS 16 LBS.

000228-00401.20080103.EPA24D.Pending

10 8 14

Residential

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

CAUTION - PRECAUCION

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.

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.
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 is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water. 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 a stable mixture of four herbicides. It is for use on residential turf.

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter the treated area until dusts have settled.

Do not apply directly to or near water, storm drains, gutters, sewers, or drainage ditches. Do not apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and oceans. Do not apply when windy. Apply this product directly to your lawn or garden, and sweep any product landing on the driveway, sidewalk, gutter, or street back onto the treated area. To prevent product run-off, do not over water the treated area(s) to the point of runoff or apply when raining or when rain is expected that day.

The maximum number of broadcast applications per treatment site is 2 per year.

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 to control such broadleaf weeds as:

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

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 16 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 3.2 pounds per 1,000 square feet. These settings are furnished only as a guide. Age, spreader condition, operating speed, and unevenness of terrain can cause variation in applied rates. 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 0.8 pounds 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 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.

Limitations: The maximum rate per application is 3.2 pounds per 1,000 square feet, limited to 2 applications per year. The maximum seasonal rate is 6.4 pounds per 1,000 square feet, excluding spot treatments. Minimum of 30 days between applications.

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: Always use original container to store pesticides and keep any bags containing unused product in locked storage area inaccessible to children and domestic animals. To prevent cross-contamination, do not store near open containers of fertilizers, seed or other pesticides. Do not stack more than two pallets high.
PESTICIDE DISPOSAL: If empty - Do not reuse this container. Place in trash or offer for recycling if available. If partly filled - Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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.

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.

(010308A)

Viper is a trademark of Nufarm Americas Inc.
The Optical Advantage is a registered trademark of Nufarm Americas Inc.

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.

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 is optional except where mandated by State fertilizer regulation.