

228-293

10/23/2009

Jacket

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

228-293

OCT 23 2009

NOTICE OF PESTICIDE:

Registration
[X] Reregistration
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

Dissolve 4000 Weed and Feed

Name and Address of Registrant (include ZIP Code):

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

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you:

- 1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
2. Make all the following changes to the product labels (Commercial & Residential):
a. Revise the first sentence under Environmental Hazards to read "This product is toxic to fish and aquatic invertebrates and may adversely affect non-target plants."
b. Under Directions for Use, add the restriction "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."
c. Under When to Apply, revise the sentences as follows:
i. "Do not apply is if rainfall is expected within 48 hours following treatment."
ii. "Possible retreatment in approximately 30 days may be necessary if lawn is heavily overrun with weeds..."
iii. "Do not exceed recommended specified rates because damage to turf may occur."
iv. "It is recommended that During hot, dry conditions, reduce application rates should be reduced by 50% to avoid possible dehydration or browning of grass."

Continued on Page 2

Signature of Approving Official:

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

Handwritten signature: JS

Date:

OCT 23 2009

- d. Under How to Apply, revise the sentences as follows:
  - i. "This 20 pound bag ~~should be used on~~ treats 4,000 square feet."
  - ii. "The following settings are approximate for applying contents of this package at a ~~suggested~~ rate of 5 pounds per 1,000 square feet."
- e. Revise the Storage and Disposal statement to read "Do not contaminate water, food, or feed by storage ~~or~~ and disposal."
- f. On the Commercial label, revise the Container Disposal statement to read "Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke."
- g. On the Residential label, revise the heading from "Pesticide Disposal" to "Pesticide and Container Disposal" and revise the text to read "Nonrefillable container. Do not reuse or refill this container. If empty: 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."

A stamped copy of your label is enclosed for your records. You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after twelve (12) months from the date of this notice must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

# DISSOLVE<sup>®</sup> 4000 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.

Weeds contacted by this product gradually die and disappear from the lawn.  
Treats (or covers) 4,000 Sq. Ft. (50' x 80')

**ACTIVE INGREDIENTS:**

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	0.44%
Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.11%
Dimethylamine Salt of (+)-R-2-(2,4-Dichlorophenoxy)propionic Acid***‡	0.11%

<b>OTHER INGREDIENTS:</b>	99.34%
<b>TOTAL</b>	100.00%

**ISOMER SPECIFIC METHOD, EQUIVALENT TO:**

*2,4-Dichlorophenoxyacetic Acid	0.368%
**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.096%
***(+)-R-2-(2,4-Dichlorophenoxy)propionic Acid	0.096%

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p and 2,4-DP-p

**GUARANTEED ANALYSIS:∞**

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphoric Acid (P2O5)	X%
Soluble Potash (K2O)	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)

**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

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

OCT 23 2009

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

Manufactured For  
**NUFARM AMERICAS INC.**  
150 Harvester Drive  
Burr Ridge, IL 60527



EPA REG. NO. 228-293  
EPA EST. NO. 228-IL-1

NET CONTENTS 20 LBS

000228-00293.20090522.2,4-Dp-p RED

228-293

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

Harmful if absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

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

- long-sleeved shirt and long pants,
- shoes plus socks
- chemical-resistant gloves made of any waterproof material.

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 ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<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>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</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 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 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 enter or allow people (or pets) to enter the treated area until dusts have settled.

This product is a stable mixture of three herbicides. It is for use on Ornamental Turf (Golf Courses, Cemeteries, Parks, Sports Fields, Turfgrass, Lawns and Other Grass Areas). Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

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

**WEEDS CONTROLLED**

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

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

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

**WHEN TO APPLY:** Best results are obtained when weeds are growing actively in spring or early fall. Apply when grass is moist (after a rain, sprinkling or dew). For most effective broadleaf weed killing action, avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material. Do not apply if rainfall is expected within 48 hours following treatment. Avoid contact with desirable shrubs, plants, vegetables, or flowers. 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. 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.

**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 20 pound bag should be used on 4,000 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 5 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 200 square feet and adjust to apply at the rate of 1 pound per 200 square feet. Clean spreader thoroughly after use.

**SPREADER SETTINGS  
ON PASS APPLICATION\*:**

<b>MAKE</b>	<b>SETTING</b>
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.

**Use Precautions for Ornamental Turf**

Postemergence:

Limited to 2 applications per year with a minimum of 30 days between applications.

Maximum of 400 pounds of product per acre per application.

The maximum seasonal rate is 800 pounds of product per acre, excluding spot treatments.

(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 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.

(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 for 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.

**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 BYWAY 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.

(RV052209R)

Dissolve is a registered trademark of Nufarm Americas Inc.

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.



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<b>OTHER INGREDIENTS:</b>	99.34%
<b>TOTAL</b>	100.00%

**ISOMER SPECIFIC METHOD, EQUIVALENT TO:**

*2,4-Dichlorophenoxyacetic Acid	0.368%
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***(+)-R-2-(2,4-Dichlorophenoxy)propionic Acid	0.096%

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p and 2,4-DP-p

**GUARANTEED ANALYSIS:∞**

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphoric Acid (P2O5)	X%
Soluble Potash (K2O)	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)

**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

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

*OCT 23 2009*

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

EPA REG. NO. 228-293  
EPA EST. NO. 228-IL-1

NET CONTENTS 20 LBS

000228-00293.20090522.2,4-Dp-p RED

Manufactured For  
**NUFARM AMERICAS INC.**  
150 Harvester Drive  
Burr Ridge, IL 60527



228-293

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

Harmful if absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of any waterproof material. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

<b>FIRST AID</b>	
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<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>
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<b>HOT LINE NUMBER</b>	
<p>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.</p>	

**ENVIRONMENTAL HAZARDS**

This product may be toxic to fish and aquatic invertebrates and may adversely affect non-target plants. 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 to the point of runoff or apply when raining or when rain is expected that day.

**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 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 more than 2 broadcast applications per treatment site per year with a minimum of 30 days between applications.

This product is a stable mixture of three herbicides. It is for use on Residential Turf.

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

**WEEDS CONTROLLED**

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

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

Tarweed	Virginia buttonweed	Wild garlic	Witchweed
Thistle	Virginia creeper	Wild geranium	Woolly croton
Tick trefoil	Virginia	Wild lettuce	Woolly morning-glory
Toadflax	pepperweed	Wild marigold	Woolly plantain
Trailing Crownvetch	Wavyleaf bullthistle	Wild mustard	Woodsorrel
Tumble mustard	Western clematis	Wild onion	Wormseed
Tumble pigweed	Western salsify	Wild parsnip	Yarrow
Tumbleweed	White clover	Wild radish	Yellow rocket
Velvet leaf	White mustard	Wild rape	Yellowflower
Venice mallow	Wild aster	Wild strawberry	pepperweed
Veronica	Wild buckwheat	Wild sweet potato	and other broadleaf
Vervain	Wild carrot	Wild vetch	weed
Vetch	Wild four-o'clock	Willow	

**WHEN TO APPLY:** Best results are obtained when weeds are growing actively in spring or early fall. Apply when grass is moist (after a rain, sprinkling or dew). For most effective broadleaf weed killing action, avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material. Do not apply if rainfall is expected within 48 hours following treatment. Avoid contact with desirable shrubs, plants, vegetables, or flowers. 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. 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.

**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 20 pound bag should be used on 4,000 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 5 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 200 square feet and adjust to apply at the rate of 1 pound per 200 square feet. Clean spreader thoroughly after use.

<b>SPREADER SETTINGS ON PASS APPLICATION<sup>o</sup>:</b>	
<b>MAKE</b>	<b>SETTING</b>
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 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.

(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 for 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:** 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.

**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 BYWAY 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

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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.**

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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.