228-293

12-18-2009



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

> OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

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

DEC 1 8 2009

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated November 9, 2009 for:

#### EPA Registration 228-293 Dissolve 400 Weed and Feed

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on <u>nonrefillable</u> containers. The code may appear either on the label (and can be added by nonnotification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

Linda Arrington Notifications & Minor Formulations Team Leader Registration Division (7505P) Office of Pesticide Programs

₽EPA	Environmenta	United States 31 Protecti aington, DC 20		ncy	x	Regist Ameno Other			OPP Ide	ntifier Number
		Applicati	ion for F			•				······
1. Company/Product Number			2. EPA Product Manager			T	3. Proposed Classification			
228-293 4. Company/Product (Name) Dissolve 4000 Weed and	Joanne Miller PM# 23					None	Restrict			
5. Name and Address of Ap		6. Expedited Reveiw. In accordance with FIFRA Section 3(c)					action 3/c//3			
Nufarm Americas, Inc. 150 Harvester Drive Su Burr Ridge, IL 60527		(b)(i), my product is similar or identical in composition and labell to: EPA Reg. No.					and labeling			
Check if this		Product Name					· · · · · · · · · · · · · · · · · · ·			
			Sect	ion - II						
Amendment - Explain below.				X Final printe Agancy lat			ns•NC	) THE	1020	ION
Resubmission in response to Agency letter dated				_ Me Too" /				DEC	182	009
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EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

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Nufarm Americas, Inc. George Meindl Regulatory Affairs Manager 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527 Phone: 630.455-2017 Fax: 630.455.2030 george.meindl@us.nufarm.com

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November 9, 2009

Via Overnight Courier

Joanne Miller (PM-23) Document Processing Desk (FIN LABEL and NOTIF) Office of Pesticide Programs (7504P) U. S. Environmental Protection Agency Room S4900, One Potomac Yard 2777 S. Crystal Drive Arlington, VA 22202

Subject: Dissolve 4000 Weed and Feed EPA Reg. No. 228-293 2,4-DP-p RED Completion - Final Printed label

Label Notification per PR Notice 2007-4

Dear Ms. Miller:

Enclosed is the subject product's final print labeling, which is now consistent with the EPA comment letter and EPA stamped labels dated 10/23/2009.

We have also made the necessary Container Disposal language changes to comply with PRN2007-4. We have adopted the exact wording set forth in the regulations, which are also provided again in the PRN2007-4.

To process this request please find enclosed the following:

- Application for Pesticide Registration (EPA form 8570-1)
- Final print labeling (1 copy)

If you should have any questions regarding this matter, please feel free to contact me at 630.455.2017 or email at <u>george.meindl@us.nufarm.com</u>.

Sincerely

George Me/ndl Regulatory Affairs Manager Nufarm Americas, Inc.

H:228-293 2,4-DP-p RED\final print label in compliance with 2,4-DP-p RED and PRN2007-4 compliance submitted 11.9.2009.doc

COMMERCIAL

# DISSOLVE<sup>®</sup> 4000 NOTIFICATION WEED AND FEED DEC 1 8 2009

#### 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*	
Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**‡	0.11%
Dimethylamine Salt of (+)-R-2-(2,4-Dichlorophenoxy)propionic Acid***‡	
ISOMER SPECIFIC METHOD, EQUIVALENT TO: *2,4-Dichlorophenoxyacetic Acid **(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid ***(+)-R-2-(2,4-Dichlorophenoxy)propionic Acid 	0.096%
GUARANTEED ANALYSIS:∞ Total Nitrogen (N) X% Ammoniacal Nitrogen X% Urea Nitrogen	
Available Phosphoric Acid (P2O5) Soluble Potash (K2O)	X% X%
Primary Plant Foods derived from Ammonium Phosphate, Sulfur Coated Urea and Muriate of Potash.	, Urea, Triple Super Phosphate,
Chlorine (Cl) Maximum The urea nitrogen in this product has been coated to provide X% coated slow releas 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

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

NET CONTENTS 20 LBS

000228-00293.200901214.2,4-DP-p RED FIN

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



1

#### 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.

#### USER SAFETY RECOMMENDATIONS

#### Users Should:

- 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 ON SKIN	Take off contaminated clothing.
OR CLOTHING	Rinse skin immediately with plenty of water for 15 to 20 minutes.
	Call a poison control center or doctor for treatment advice.
IF INHALED	Move person to fresh air.
	• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
	Call a poison control center or doctor for further treatment advice.
IF IN EYES	<ul> <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> </ul>
	Call a poison control center or doctor for treatment advice.
IF	Call a poison control center or doctor immediately for treatment advice.
SWALLOWED	Have person sip a glass of water if able to swallow.
	• Do not induce vomiting unless told to do so by the poison control center or doctor.
	Do not give anything by mouth to an unconscious person.
	HOT LINE NUMBER
Have the product	container or label with you when calling a poison control center or doctor, or going for

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, 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,

#### **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. DO NOT USE this product on or near desirable plants, including the dripline of the roots of desirable trees and shrubs, since injury may result.

#### WEEDS CONTROLLED

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

Alder Annual yellow sweet clover Artichoke Aster Austrian fieldcress Bedstraw Beggartick Biden Bindweed Bird vetch Bitterweed Bitter wintercress Black-eved Susan Black Medic Black Mustard Black-seed plantain Blessed thistle Blue lettuce Blue vervain Box elder Bracted plantain Brassbuttons Bristly oxtonaue Broadleaf dock Broadleaf plantain Broomweed Buckhorn Buckhorn plantain

**Bulbous buttercup** Bull nettle Bull thistle Burdock Burning nettle Bur raqweed 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 Doafennel 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 ivv Gumweed Hairy bittercress Hairy fleabane Hawkweed Healall Heartleaf drymary Hedae bindweed Hedge mustard Hemp, Henbit Hoary cress Hoary plantain Hoary vervain Honevsuckle Hop clover Horsenettle Horsetail Indiana mallow Ironweed Jewelweed Jimsonweed Kochia Knawel Knotweed Lambsquarter Lespedeza Locoweed Lupine Mallow

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COMMERCIAL

Marshelder Matchweed Mexicanweed Milk vetch Milkweed bloodflower Mugwort Morningglory Mousear 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 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 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 aster Wild buckwheat Wild carrot Wild four-o'-clock Wild garlic Wild geranium Wild lettuce Wild marigold Wild mustard Wild onion Wild parsnip Wild radish Wild rape Wild strawberry Wild sweet potato Wild vetch Willow Witchweed Woolly croton Woolly morningalory Woolly plantain Woodsorrel Wormseed Yarrow Yellow rocket Yellowflower pepperweed and other broadleaf weed

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 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 specified 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. During hot, dry conditions, reduce application rates by 50% to avoid possible dehydration or browning of grass.

**HOW TO APPLY:** This 20 pound bag treats 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 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°:

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.

#### **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  $\frac{*(No . of lbs.)}{(No . of lbs.)}$  pounds of nitrogen per 1,000 square feet (optional P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>0 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  $\sqrt{}$  Erosion

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and 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.

#### For nonrefillable bags of granular or dry formulation

**CONTAINER DISPOSAL:** 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.

#### Solid dilutable formulations in nonrefillable plastic containers

**CONTAINER DISPOSAL: Nonrefillable Containers 5 Gallons or Less:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

**CONTAINER DISPOSAL: Nonrefillable containers larger than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of 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 PARTICULARTRADE 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.

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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.