

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



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

SEP 12 2008

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

Subject: EPA Reg. 228-293 (Dissolve® 4000 Weed and Feed)/ 2,4-D RED Label Amendment

The labeling referred to above is in compliance with the 2,4-D RED provided that 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) Please note: Final product reregistration can't be considered until after all active ingredients in this product are eligible for reregistration.
- 3) Make the following revisions to the product label:

Commercial Use Label

1. Under the ingredient statement, add a listing of the number of pounds of each active ingredient acid equivalent in each pound of product.
2. Based on toxicity ranking per the acute toxicity review, the First Aid statements should be placed on the label in the following order:  
~~“IF ON SKIN OR CLOTHING:...~~  
 IF INHALED: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.  
 IF IN EYES:...  
 [IF SWALLOWED...] – this statement is optional]
3. Page 4, remove the statement “Environmental Benefits” above the grasscycling logo.
4. Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to read: “CAUTION Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. **Avoid breathing dust.**”
5. Per the acute toxicity review and the 2,4-D RED, the PPE section must be revised to read: “All loaders, applicators and other handlers must wear:
  - Long-sleeved shirt and long pants,
  - Shoes and socks, and
  - Chemical-resistant gloves made of any waterproof material

EPA Reg. No. 228-293, page 2.

6. Per the MCPP-p and 2,4-D REDs, the first 2 sentences of the Environmental Hazards section of the label must be revised to read:

“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.”

7. You must either remove the product from the scope of WPS by adding the text below or add an Agricultural Use Requirements box with the appropriate REI (48 hours) and early entry PPE (coveralls, shoes plus socks, chemical-resistant gloves made of any waterproof material and protective eyewear) for the sod farm use:

“Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.”

8. Per the MCPP-p RED, a 30 day minimum retreatment interval must be added to the application restriction section of the label.

Residential Label:

9. Under the ingredient statement, add a listing of the number of pounds of each active ingredient acid equivalent in each pound of product.
10. Page 4, remove the statement “Environmental Benefits” above the grasscycling logo.
11. Per the acute toxicity review, the following IF INHALED statements must be added to the First Aid statements, and per the toxicity ranking per the acute toxicity review, the statements should be placed on the label in the following order:

IF ON SKIN OR CLOTHING:...

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

IF IN EYES:...

[IF SWALLOWED...] – this statement is optional]

12. Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to read:

“CAUTION. Harmful if absorbed through skin. Harmful if 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.”

The current PPE section and user recommendations box can be deleted.

12. Per the MCPP-p and 2,4-D REDs, the first paragraph of the Environmental Hazards section of the label must be revised to read:

“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 waters adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.”

13. Per the MCPP-p RED, a 30 day minimum retreatment interval must be added to the application restriction section of the label.

14. Per the MCPP-p RED, the following text must be added to the application restriction section of the label:

“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.”

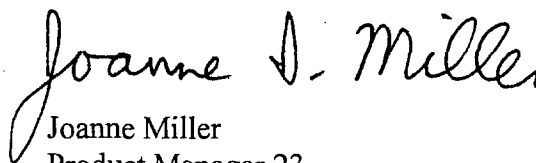
Reregistration under this section of the Act does not eliminate the need for continual assessment of the registration of this product

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release of the product for shipment constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Submit one copy of the final printed label before the product is released for shipment.

If you have any questions, please contact Kathryn Montague (703-305-1243 or [montague.kathryn@epa.gov](mailto:montague.kathryn@epa.gov)).

Sincerely,



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

Commercial

# DISSOLVE® 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>	<b>99.34%</b>
<b>TOTAL</b>	<b>100.00%</b>

**ISOMER SPECIFIC AOAC 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

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

NET WEIGHT 20 LBS.

000228-00293.20080326.EPA.24d.Pending

ACCEPTED  
with COMMENTS  
In EPA Letter Dated SEP 12 2008  
MANUFACTURED BY  
NUFARM AMERICAS INC.  
150 HARVESTER DRIVE  
GURR RIDGE, IL 60527

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

228-293



Commercial

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

Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if inhaled or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

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

- long-sleeved shirt and long pants,
- shoes plus socks

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 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 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 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. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except as noted on appropriate labels. 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.

This product is a stable mixture of three 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, Bluegrass, Centipeda, 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.

Commercial

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

Alders,	Dogfennel,	Nutgrass,	Spurweed,
Artichoke,	Elderberry,	Orange hawkweed,	Stinkweed,
Aster,	English daisy,	Oxalis,	Stichwort,
Austrian fieldcress,	Flea bane	Parsnip,	Sumac,
Beggarticks,	(daisy), Flixweed,	Pennycress,	Sunflower,
Biden,	Florida pusley,	Pennywort,	Sweet clover,
Bindweed,	Frenchweed,	Peppergrass,	Tarweed,
Bitterweed,	Galinsoga,	Pepperweed,	Thistle,
Bitter winter cress,	Goatsbeard,	Pigweed,	Toadflax,
Black medic,	Goldenrod,	Plantain,	Tumbleweed,
Blessed thistle,	Ground ivy,	Poison hemlock,	Velvet leaf,
Blue lettuce,	Gumweed,	Poison ivy,	Veronica,
Box elder,	Hawkweed,	Poison oak,	Vervain,
Broomweed,	Healall,	Pokeweed,	Vetch,
Buckhorn,	Heartloaf drymary,	Poorjoe,	Virginia buttonweed,
Bull thistle,	Hemp,	Povertyweed,	Virginia creeper,
Burdock,	Henbit,	Prickly lettuce,	Wild aster,
Bur ragweed,	Hoary cress,	Primrose,	Wild carrot,
Buttercup,	Honeysuckle,	Puncture vine,	Wild garlic,
Canada thistle,	Horsetail,	Purslane,	Wild geranium,
Carpetweed,	Indiana mallow,	Ragweed,	Wild lettuce,
Catnip,	Ironweed,	Red clover,	Wild onion,
Chickweed,	Jewelweed,	Red sorrel,	Wild radish,
Chicory,	Jimsonweed,	Rush,	Wild rape,
Clover,	Kochia,	Russian thistle,	Wild strawberry,
Cockle,	Knotweed,	St. Johnswort,	Wild sweet potato,
Cocklebur,	Lambsquarters,	Sheep sorrel,	Willow,
Coffeebean,	Locoweed,	Shepherdspurse,	Witchweed,
Coffeeweed,	Lupines,	Smartweed,	Woodsorrel,
Common sowthistle,	Mallow,	Sneezeweed,	Wormseed,
Creeping jenny,	Marshelder,	Southern wild rose,	Yarrow,
Croton,	Mexicanweed,	Sowthistle,	Yellow rocket,
Curly indigo,	Morningglory,	Spanish-needles,	and other broadleaf weeds.
Dandelion,	Musk thistle,	Spatterdock,	
Dock,	Mustard,	Speedwell,	
Dogbane,	Nettle,	Spurge,	

**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 sq. ft. and adjust to apply at the rate of 1 per 200 sq. ft. Clean spreader thoroughly after use.

Commercial

**Use Precautions for Turf, ornamental (golf courses, cemeteries, parks, sports fields, turfgrass, lawns and other grass areas)**

**Postemergence:**

Limited to 2 applications per year.

Maximum of 400 pounds of product /acre per application.

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

**SPREADER SETTINGS  
ONE 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.

(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 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.

<b>Environmental Benefits</b> (Grasscycling Logo)	Besides increasing property values, did you know a well-maintained lawn provides the following benefits to your home and environment:	
	<table border="1"> <tr> <td rowspan="2"><i>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.</i></td> <td> <ul style="list-style-type: none"> <li>√ A 50' x 50' lawn produces enough oxygen for a family of 4 every day</li> <li>√ Reduces Glare &amp; Reduces Noise</li> <li>√ Traps Dust, Smoke Particles &amp; Other Pollutants</li> <li>√ Purifies Water &amp; Modifies Temperature</li> <li>√ Improves Soil Condition &amp; Controls Erosion</li> </ul> </td> </tr> </table>	<i>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.</i>
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**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.

Commercial

**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.**

(RV032608R)

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.**



9/13

Residential

# DISSOLVE® 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>	<u>99.34%</u>
<b>TOTAL</b>	<b>100.00%</b>

**ISOMER SPECIFIC AOAC 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

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

NET WEIGHT 20 LBS.

000228-00293.200803026.EPA.24d.Pending

ACCEPTED MANUFACTURED BY  
with COMMENTS NUFARM AMERICAS INC.  
In EPA Letter Dated 150 HARVESTER DRIVE  
BARR RIDGE, IL 60527

SEP 12 2008

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

228-293



Residential

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

**CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if inhaled or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

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

- long-sleeved shirt and long pants,
- shoes plus socks

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 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 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 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. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except as noted on appropriate labels. 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 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.

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 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.

Do not apply this product in a way that will contact any person or pet, directly or through drift."

Residential

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

- |                      |                    |                        |                            |
|----------------------|--------------------|------------------------|----------------------------|
| Alders,              | Dogfennel,         | Nutgrass,              | Stinkweed,                 |
| Artichoke,           | Elderberry,        | Orange hawkweed,       | Stitchwort,                |
| Aster,               | English daisy,     | Oxalis,                | Sumac,                     |
| Austrian fieldcress, | Flea bane (daisy), | Parsnip,               | Sunflower,                 |
| Beggarticks,         | Flixweed,          | Pennycress,            | Sweet clover,              |
| Biden,               | Florida pusley,    | Pennywort,             | Tarweed,                   |
| Bindweed,            | Frenchweed,        | Peppergrass,           | Thistle,                   |
| Bitterweed,          | Galinsoga,         | Pepperweed,            | Toadflax,                  |
| Bitter winter cress, | Goatsbeard,        | Pigweed,               | Tumbleweed,                |
| Black medic,         | Goldenrod,         | Plantain,              | Velvet leaf,               |
| Blessed thistle,     | Ground ivy,        | Poison hemlock,        | Veronica,                  |
| Blue lettuce,        | Gumweed,           | Poison ivy,            | Vervain,                   |
| Box elder,           | Hawkweed,          | Poison oak,            | Vetch,                     |
| Broomweed,           | Heatal,            | Pokeweed,              | Virginia buttonweed,       |
| Buckhorn,            | Heartloaf drymary, | Poorjoe,               | Virginia creeper,          |
| Bull thistle,        | Hemp,              | Povertyweed,           | Wild aster,                |
| Burdock,             | Henbit,            | Prickly lettuce,       | Wild carrot,               |
| Bur ragweed,         | Hoary cress,       | Primrose,              | Wild garlic,               |
| Buttercup,           | Honeysuckle,       | Puncture vine,         | Wild geranium,             |
| Canada thistle,      | Horsetail,         | Purslane,              | Wild lettuce,              |
| Carpetweed,          | Indiana mallow,    | Ragweed,               | Wild onion,                |
| Catnip,              | Ironweed,          | Red clover,            | Wild radish,               |
| Chickweed,           | Jewelweed,         | Red sorrel,            | Wild rape,                 |
| Chicory,             | Jimsonweed,        | Rush,                  | Wild strawberry,           |
| Clover,              | Kochia,            | Russian thistle,       | Wild sweet potato,         |
| Cockle,              | Knotweed,          | St. Johnswort,         | Willow,                    |
| Cocklebur,           | Lambsquarters,     | Sheep sorrel,          | Witchweed,                 |
| Coffeebean,          | Locoweed,          | Shepherdspurse,        | Woodsorrel,                |
| Coffeeweed,          | Lupines,           | Smartweed, Sneezeweed, | Wormseed,                  |
| Common sowthistle,   | Mallow,            | Southern wild rose,    | Yarrow,                    |
| Creeping jenny,      | Marshelder,        | Sowthistle,            | Yellow rocket,             |
| Croton,              | Mexicanweed,       | Spanish-needles,       | and other broadleaf weeds. |
| Curly indigo,        | Morningglory,      | Spatterdock,           |                            |
| Dandelion,           | Musk thistle,      | Speedwell,             |                            |
| Dock,                | Mustard,           | Spurge,                |                            |
| Dogbane,             | Nettle,            | Spurweed,              |                            |

**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 sq. ft. and adjust to apply at the rate of 1 lb. per 200 sq. ft. Clean spreader thoroughly after use.

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**Use Precautions for Turf, ornamental (golf courses, cemeteries, parks, sports fields, turfgrass, lawns and other grass areas)**

**Postemergence:**

Limited to 2 applications per year.

Maximum of 400 pounds of product /acre per application.

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

**SPREADER SETTINGS  
ONE 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.

(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 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.

<b>Environmental Benefits</b> (Grasscycling Logo)	Besides increasing property values, did you know a well-maintained lawn provides the following benefits to your home and environment:
	<i>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.</i>
	✓ 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:** 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 other feed or foodstuffs. To prevent cross-contamination, do not store near open containers of fertilizer, seed or other pesticides.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, clean up all spilled material. Improper disposal of excess pesticide, spray mixtures or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

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**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.**

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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.*