

83893-16

12-13-2007

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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:

83893-16

Date of Issuance:

12-13-07

NOTICE OF PESTICIDE:

X Registration

__ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Greenleaf Weed & Feed II

Name and Address of Registrant (include ZIP Code):

Ms. Mindy Becker
Project Manager
Greenleaf, LLC
P.O. Box 1700
Lowell, AR 72745

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 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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A), provided that you make the following revisions:

- 1. The source product labeling has a fertilizer statement for state registrations in Kentucky. This statement is not on your product labeling.
2. On page 3, under "Directions for Use," add the statements, "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," and, "Do not enter or allow others (including children or pets) to enter the treated areas (except those involved in the watering) until the watering-in is complete and the surface is dry." These statements are required by the Reregistration Eligibility Decisions (REDs) for 2,4-D, Dichlorprop, and Mecoprop.
3. This product is labeled as if intended for homeowner use only. On page 3, delete the statement, "Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes." That statement is intended for commercial-use products that fall outside of the scope of Worker Protection Standard labeling (e.g., golf courses). It is not intended for homeowner-use only products. If commercial uses are intended, revised labeling including additional precautionary language and personal protective equipment requirement must be submitted.
4. Replace the existing Environmental Hazards statement with the following, in order to be in compliance with the REDs for 2,4-D, Dichlorprop, and Mecoprop: "This pesticide is toxic to fish and aquatic invertebrates. Drift or runoff may adversely affect nontarget plants. Do not apply directly to or near water, storm drains, sewers, gutters, or drainage ditches. Do not

Comments continued on page 2 of this registration notice

Signature of Approving Official:

Erik Kraft
Acting Product Manager 23
Herbicide Branch
Registration Division (7505P)

[Handwritten signature of Erik Kraft]

Date:

12-13-07

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Will

apply within 25 feet of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays and oceans. Do not apply to areas where surface water is present, or to intertidal areas below the mean high water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. 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 runoff, do not over water the treated area to the point of runoff or apply when raining or when rain is expected that day. 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."

5. We note that there is no warranty statement on your product labeling.
6. The source product labeling contains an advisory statement for fertilizers containing iron. This statement does not appear on your product labeling.
7. Submit and/or cite all data required for the registration of this product when the Agency requires all registrants of similar product to submit data.
8. Add the statement, "EPA Reg. No.83893-16."
9. 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). A stamped copy of the label is enclosed for your records.

Enclosure

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GREENLEAF WEED & FEED II

ACCEPTED
with COMMENTS
In EPA Letter Dated:

DEC 13 2007
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

83893-11e

ACTIVE INGREDIENTS:

2,4-D, dimethylamine salt.....0.723%
 Mecoprop-p, dimethylamine salt.....0.148%
 Dichloroprop-P, dimethylamine salt.....0.088%
 OTHER INGREDIENTS..... 99.041%
 TOTAL.....100.000%

This product contains:

2,4-dichlorophenoxyacetic acid equivalent, 0.601%
 (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent, 0.122%
 (+)-(R)-2-(2,4-dichlorophenoxy) propionic acid equivalent, 0.074%
 Isomer Specific by AOAC Methods

CAS Registry Numbers:

2,4-D DMA salt CAS# 2008-39-1
 MCPP-p, DMA salt CAS# 66423-09-4
 2,4-DP-p, DMA salt CAS# 104786-87-0

Fertilizer Analysis	
Total Nitrogen (N).....	XX%
Water Insoluble Nitrogen.....	xx%
Available Phosphate (P ₂ O ₅).....	x%
Soluble Potash (K ₂ O).....	x%

Note: Fertilizer grades with nutrient contents expressed as the percentages of N, P₂O₅, K₂O may include the following 28-3-3, 22-3-11, & X-X-X. The fertilizer grade analyses may contain macronutrients and micronutrients. The nutrient contents expressed will vary among states.

Fertilizer Labeling Requirements:

- All fertilizer products distributed in Washington at a minimum, must have the following labeling statement. "This product has been registered with the Washington State Department of Agriculture. When applied as directed, this fertilizer meets the Washington standards for arsenic, cadmium, cobalt, mercury, molybdenum, lead, nickel, selenium, and zinc. You have the right to receive specific information about Washington standards from the distributor of this product."
- After July 1, 1999 the label must also state: "Information received by the Washington State Department of Agriculture regarding the components in this product is available on the internet at <http://www.wa.gov/agr/>."

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- Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.xxxxxxx.com>.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional Precautionary Statements.

NET WEIGHT: XXX LBS, XXX KG

EPA REG NO: 83893-XXX
EPA EST NO 83893-MO-1

MANUFACTURED BY:
Greenleaf llc
13960 Palm Rd
Neosho, MO 64850
417-451-9996

STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if inhaled, or if absorbed through skin, or if swallowed. Avoid breathing dust. Avoid contact with eyes or clothing. When using this product, wear long-sleeved shirt, long pants, socks and shoes.

After using this product, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water.

First Aid	
If in eyes:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

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	<ul style="list-style-type: none"> • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • 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.
<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 1-800-xxx-xxxx for emergency medical treatment information.</p>	

ENVIRONMENTAL HAZARDS:

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried or dust has settled.

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

STORAGE AND DISPOSAL

STORAGE: Store in original container and keep any bags containing unused product in a locked storage area inaccessible to children and domestic animals.

CONTAINER DISPOSAL:

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partially filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

USE PRECAUTIONS:

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Do not use on dichondra, carpetgrass, or ornamentals. Do not use this product where desirable clovers are present or allow the material to drift into flowers, vegetables or ornamental shrubbery. Do not apply in areas underlaid by roots or desirable trees or shrubs. Apply when the air is calm. Do not apply to newly seeded lawns. During application, close spreader openings when turning. Do not exceed the application rate for any area and use care in the application of this product within the dripline of trees, shrubs, and other ornamentals. If overseeding wait 4 weeks after grass seeds sprout before applying the product.

WHERE TO USE:

Greenleaf Weed & Feed II controls a wide range of lawn weeds including dandelion, chickweed, knotweed, plantain, herbbit, spurge, and many others commonly found in home lawns. In addition, the fertilizer provides a supply of plant food. Supplemental nitrogen, phosphorous, and potash should be applied according to soil tests, or State Extension Service recommendations or professional advice.

Greenleaf Weed & Feed II controls broadleaf weeds commonly found in cool season and warm season turfgrass established in residential areas. Established turf of Kentucky bluegrass, fescues, and perennial ryegrass may be treated. Established turf of bermudagrass, bahiagrass, buffalograss, zoysiagrass, St. Augustinegrass, and centipedegrass may be treated. Residential areas include turfgrass established around residences, apartment complexes, condominiums, vacant lots, or areas associated with households.

Controls XXX weeds! (Listing of weeds may include the following.)

BROADLEAF WEEDS			
Annual yellow sweetclover	Clover, white	Mustard	Spiny cocklebur
Aster	Cockle	Narrowleaf plantain	Spiny sowthistle
Austrian fieldress	Cocklebur	Narrowleaf vetch	Spotted catsear
Bedstraw	Common mullein	Nettle	Spotted spurge
Beggarticks	Creeping jenny	Orange hawkweed	Spurweed
Betony, Florida	Cudweed	Oriental cocklebur	Stinging nettle
Bindweed, field	Curly dock	Oxalis	Strawberry, India mock
Bird vetch	Daisy, English	Parsley-piert	Tall nettle
Bitter wintercress	Daisy fleabane	Parsnip	Tall vervain
Bittercress, hairy	Daisy, oxeye	Pearlwort	Tansy ragwort
Bitterweed	Dandelion	Pennycress	Tansy mustard
Black-eyed Susan	Dichondra	Pepperweed	Tanweed
Black medic	Dogfennel	Pigweed	Thistle
Black mustard	Dollarweed	Pineywoods bedstraw	Trailing crowvetch
Blackseed plantain	False dandelion	Plains coreopsis	Tumble mustard
Blessed thistle	Falseflax	Plantain	Tumble pigweed
Bloodflower milkweed	False sunflower	Poison Ivy	Velvetleaf
Blue lettuce	Fiddleneck	Poison Oak	Venice mallow
Blue vervain	Florida pusley	Pokeweed	Virginia buttonweed
Bracted plantain	Frenchweed	Poorjoe	Virginia creeper
Bristly oxtongue	Galinsoga	Prairie sunflower	Virginia pepperweed
Broadleaf dock	Goldenrod	Prickly lettuce	Wavyleaf bullthistle
Broadleaf plantain	Ground ivy	Prickly soda	Western clematis
Broomweed	Gumweed	Prostrate knotweed	Western salsify
Buckhorn	Hairy fleabane	Prostrate pigweed	White mustard
Buckhorn plantain	Hawkweed	Prostrate spurge	Wild aster
Bulbous buttercup	Healall	Prostrate vervain	Wild buckwheat
Bull thistle	Heartleaf drymary	Puncturevine	Wild carrot
Bullnettle	Heath aster	Purslane, common	Wild four-o'clock
Burclover	Hedge bindweed	Ragweed	Wild garlic
Burdock	Hedge mustard	Red sorrel	Wild geranium
Burning nettle	Henbit	Redroot pigweed	Wild lettuce
Burweed	Hoary cress	Redstem filaree	Wild marigold
Buttercup	Hoary plantain	Rough cinquefoil	Wild mustard
Buttonweed	Hoary vervain	Rough fleabane	Wild onion
Canada thistle	Horsenettle	Russian pigweed	Wild parsnip
Carolina geranium	Jimsonweed	Russian thistle	Wild radish
Carpetweed	Knawel	Scarlet pimpernel	Wild rape
Catchweed bedstraw	Knotweed	Scotch thistle	Wild strawberry
Catnip	Kochia	Sheep sorrel	Wild sweet potato
Catsear	Lambsquarters	Shepherdspurse	Wild vetch
Chickweed, common	Lespedeza	Slender plantain	Woodsorrel
Chickweed, mouseear	Mallow	Smallflower galinsoga	Woolly croton
Chicory	Matchweed	Smooth dock	Woolly morningglory
Cinquefoil	Mexicanweed	Smooth pigweed	Woolly plantain
Clover, crimson	Milk vetch	Sorrel	Wormseed
Clover, hop	Morningglory	Sowthistle	Yarrow
Clover, red	Mouseear hawkweed	Spanishneedles	Yellow rocket
Clover, strawberry,	Mugwort	Speedwell	Yellowflower pepperweed
Clover sweet	Musk thistle	Spiny amaranth	And other broadleaf weeds

APPLICATION INSTRUCTIONS:

1. Mow lawn to normal height 1 to 2 days before application.
2. Water lawn thoroughly at least 1 day before application to sustain moisture until next watering (see step 4).
3. Apply when weeds are young and actively growing, preferably in the morning when dew is on the grass. If grass is not moist at time of application, sprinkle lightly with water to allow the granules to adhere and to remain on the leaf surface of the weeds.

- 4. Do not irrigate or sprinkle for 1 to 2 days after application. Irrigate, sprinkle, or water the lawn thoroughly at 2 to 3 days after application.

HOW MUCH TO APPLY:

For Kentucky bluegrass, fescues, perennial ryegrass, bermudagrass, bahiagrass, buffalograss, zoysiagrass, St. Augustinegrass and centipedegrass: Apply 3.2 to 4.0 pounds of product per 1,000 square feet of turfgrass. A second or follow-up application may be required for dense infestations of weeds or for adverse seasonal conditions. The second application of 3.2 to 4.0 pounds of product per 1,000 square feet should be used 30 days after the first application. Cultivars vary in tolerance to this product. Do not apply this product to 'Floritam' St. Augustinegrass.

The maximum application rate to turf is 1.1 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

DISTRIBUTION AND COVERAGE:

A uniform distribution of product on the treated area is essential. Choose a calm day to ensure uniform coverage and avoid spreading granules onto flowers, vegetables, and ornamental shrubbery. Do not exceed the application rate for any area and use care in the application of this product within the dripline of trees, shrubs, and other ornamentals.

Always apply with a properly calibrated rotary or drop type fertilizer spreader to distribute the granules evenly. Never apply by hand.

Coverage: To determine how much you need to apply, multiply the length of your lawn by its width. This equals your total square footage. Deduct any non-lawn areas (house, garden, etc.)

Bag Size, Lbs.	Application Rate, Lbs./1,000 Sq. Ft.	Treated Area for This Bag Size, Sq. Ft.
20	3.2	6,400
	3.4	5,900
	3.6	5,600
	4.0	5,000

SINGLE PASS DISTRIBUTION:

Operate the equipment at intervals corresponding to the width or swath of the spreader. For drop spreaders, overlap the wheel tracks to ensure complete coverage. Close the spreader openings when turning to change directions or when stopping.

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CALIBRATION INSTRUCTIONS:

To provide proper distribution, calibrate spreader before application. [Refer to table for appropriate bag sizes.]

- For 3.2 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 310 square feet and adjust to apply at rate of 1 pound of product per 310 square feet.
- For 3.4 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 295 square feet and adjust to apply at rate of 1 pound of product per 295 square feet.
- For 3.6 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 275 square feet and adjust to apply at rate of 1 pound of product per 275 square feet.
- For 4.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 250 square feet and adjust to apply at rate of 1 pound of product per 250 square feet.

Spreader settings	
Scott	XX
Sears	XX
Lawn Beauty	XX
Jackson	XX

Important: It is important to follow directions as indicated because over application may cause injury to your lawn. Spreader settings are approximate. Differences may occur due to condition of spreader, speed at which applied and roughness of area treated.