

83893-15

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:

83893-15

Date of Issuance:

12-13-07

NOTICE OF PESTICIDE:

Registration

Reregistration

(under FIFRA, as amended)

Term of Issuance: **Conditional**

Name of Pesticide Product:

Greenleaf Weed & Feed

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. You may not have two differing ingredients statements. You must select one that is within the certified limits of all active ingredients listed on the CSF of the source product which you are repacking.
2. On page 2, delete the text, "Option 1," since you have no further options listed on your label.
3. On page 2, 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."
4. Replace the existing Environmental Hazards statement with the following, in order to be in compliance with the Reregistration Eligibility Decisions (REDs) for 2,4-D, Dicamba, 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 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

Comments continued on page 2 of this registration notice

Signature of Approving Official:

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

Date:

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Comments, Continued:

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. On page 3, under "Instructions," the label states a 24-4-8 fertilizer is in this product. However, on page 6, 28-3-3 and 22-4-11 fertilizer guaranteed analyses are provided. The source product labeling lists only the 24-4-8 fertilizer component, with the corresponding guaranteed analysis. As your product is a repack of the source product, your labeling must match the source product labeling.
6. We note that there is no warranty statement on your product's 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.83893-15."
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

ACTIVE INGREDIENTS:
 2,4,-D.....0.76%
 Mecoprop-p (MCP-p).....0.17%
 Dicamba.....0.07%
 OTHER INGREDIENTS.....99.00%
 TOTAL.....100.00%

OR ACTIVE INGREDIENTS:
 2,4-D.....0.723%
 Mecoprop-p (MCP-p)..0.148%
 Dicamba.....0.088%
 OTHER INGREDIENTS: 99.041%
 TOTAL.....100.00%

This product contains:

15.2 lbs. 2,4-dichlorophenoxyacetic acid equivalent per ton
 3.4 lbs (+)-(R)-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per ton
 1.4 lbs. 3,6-dichloro-o-anisic acid equivalent per ton

Isomer Specific by AOAC Methods

Contains single isomer form of Mecoprop-p

CAS Registry Numbers:

2,4-D CAS# 94-75-7

Mecoprop-p CAS# 16484-77-8

Dicamba CAS# 1918-00-9

ACCEPTED
 with COMMENTS
 In EPA Letter Dated:
 DEC 13 2007

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

See back panel for additional Precautionary Statements.

83893-15

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

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CAUTION: Harmful if swallowed. Do not inhale dust. Do not allow contact with skin, 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. • Call a poison control center or doctor for treatment advice.
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.	

ENVIRONMENTAL HAZARDS:

Drift or runoff may adversely affect nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater. Do not apply when weather conditions favor drift from target area.

OPTION 1.

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.

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:

Do not use on dichondra, carpetgrass or St. Augustine grass.

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.

INSTRUCTIONS:

Greenleaf Weed & Feed is a combination of three proven weed killers- 2,4-D, Mecoprop-p and Dicamba. Together, they control a wide range of lawn weeds, including dandelion, chickweed, knotweed, plantain, henbit, spurge and many others commonly found in home lawns. In addition, a 24-4-8 fertilizer provides a supply of plant nutrients. Possible retreatment may be necessary if (a) lawn is heavily overrun by weeds, or, (b) if adverse low moisture conditions prevail and weeds are in a state of poor growth.

Apply 2.4 to 3.6 pounds of product per 1,000 square feet of turfgrass. A second application may be made in approximately 30 days.

The maximum application rate to turf is 1.2 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.

WHEN TO APPLY:

Apply when broadleaf weeds are actively growing in spring or early fall.

WHAT TO EXPECT:

Weed stems and leaves will begin to twist and curl in a few days, but a month or more may be required for complete control. This product will not prevent weed seeds from producing new plants.

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1. Mow lawn to normal height 1 to 2 days before application.
2. Water lawn thoroughly at least 1 to 2 days before application to sustain moisture until next watering (see step 5).
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 hold the material and prevent dust drift onto nontarget plants.
4. Avoid applying when temperatures are consistently above 90°F.
5. Do not wash from weed leaves for 1 to 2 days after application. At this time, a thorough watering should be made.

CALIBRATION INSTRUCTIONS:

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

- For 2.4 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 420 square feet and adjust to apply at the rate of 1 pound of product per 420 square feet.
- For 2.6 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 385 square feet and adjust to apply at rate of 1 pound of product per 385 square feet.
- For 2.8 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 360 square feet and adjust to apply at rate of 1 pound of product per 360 square feet.
- For 3.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 333 square feet and adjust to apply at rate of 1 pound of product per 333 square feet.
- 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.

Spreader settings for 1.0 pound per 310 square feet	
Scotts Easy Green Rotary	26
Scotts Drop	5
Scotts SpeedyGreen Rotary	3 1/2
GreenView Drop (Spred II)	4
Central Drop (#205)	5 1/2
Sears Drop (#19810)	4
Ortho Drop (#5000)	5
Precision Drop (Red Devil)	4

- For 3.4 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 300 square feet and adjust to apply at rate of 1 pound of product per 300 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.

Bag Size, Lbs.	Application Rate, Lbs./1,000 Sq. Ft.	Treated Area for This Bag Size, Sq. Ft.
12	2.4	5,000
	2.6	4,600
	2.8	4,300
	3.0	4,000
	3.2	3,800
	3.4	----
	3.6	----
24	2.4	10,000
	2.6	9,200
	2.8	8,600
	3.0	8,000
	3.2	7,500
	3.4	7,100
	3.6	6,700

DISTRIBUTION AND SPREADER PATTERNS:

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 all non-lawn areas (house, gardens, etc.). One bag covers up to XXX square feet.

SINGLE PASS DISTRIBUTION:

First spread the borders of your lawn. Then spread the center by spreading in straight line passes. Spread at a uniform walking speed to insure even coverage. To avoid gaps and streaks, first spread the border and fill in center with uniform, parallel passes.

Advisory For Fertilizers Containing Iron:

Keep this product off sidewalks, patios, driveways, etc. This fertilizer contains iron which will stain concrete and painted surfaces, sweep off immediately before flushing with water. If concrete is wet when contact occurs, staining may be

impossible to prevent. Be careful when using rotary spreaders which scatter fertilizer beyond lawn edge and onto concrete.

28-3-3 Guaranteed Analysis	or	22-4-11 Guaranteed Analysis
Total Nitrogen (N).....28%		Total Nitrogen (N).....22%
Available Phosphate (P ₂ O ₅).....3%		Available Phosphate (P ₂ O ₅)...4%
Soluble Potash (K ₂ O).....3%		Soluble Potash (K ₂ O).....11%

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

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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	Ragwed	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