

228-348

6/3/2003

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

JUN 3 2003

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Russell F. Sawyer
Nufarm Americas Inc.
1333 Burr Ridge Parkway, Suite 125A
Burr Ridge, IL 60521-0866

Dear Mr. Sawyer:

Subject: Conversion from MCPP and 2,4-DP to MCPP-p and 2,4-DP-p
Riverdale Dissolve LBN Weed and Feed
EPA Registration Number 228-348
Your Submission Dated January 8, 2003

The Agency is conditionally approving an amendment to the registration for the above-referenced product under the authority of section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Under this amendment the Agency is approving the conversion of the active ingredients mecoprop from its racemic form [2-(2-methyl-4-chlorophenoxy)propionic acid, or applicable salt thereof] to its single isomer form [(+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid, or applicable salt thereof] and 2,4-DP from its racemic form [2-(2,4-dichlorophenoxy)propionic acid, or applicable salt thereof] to its single isomer form [(+)-R-2-(2,4-dichlorophenoxy)propionic acid, or applicable salt thereof]. The revised labeling and Confidential Statements of Formula (CSFs) submitted in support of the conversion are acceptable with the following provisions:

1. This acceptance is based on our understanding that no changes have been made to product other than those specified within the body of your certification statement and cover letter dated August 14, 2001. No other revisions are being reviewed or considered with this action.
2. You may sell or distribute product containing the racemic form of mecoprop and bearing the previously approved labeling for 18 months from the date of this letter.
3. Submit a revised CSF that includes the percentages of the components of the fertilizer mix.
4. Based on our meeting of May 28, 2003, incorporate the labeling changes listed below before you release the product for shipment bearing the amended labeling:

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-2-

a. On the "Residential" labeling modify the Environmental Hazards statement to read as follows:

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

b. On the "Residential" labeling delete "such as" and "Golf Courses (Fairways, Aprons, Tees and Roughs)", "Parks" and "Cemeteries" and "similar non-crop areas". The intended use site should be specified as "Lawns" or "Ornamental Turf Lawns".

c. On the "Commercial" labeling delete "such as" and specify "and similar ornamental turf areas" or add the following WPS Exclusionary statement:

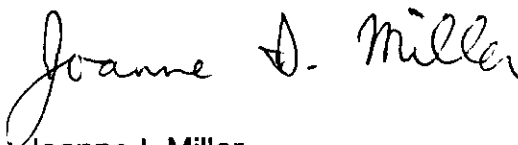
Not for use on turf being grown for sale or other commercial use such as sod, or for commercial seed production, or for research purposes.

A copy of the revised CSF (Basic Formulation dated January 8, 2003) has been placed in the Agency's file for the subject product. This CSF supersedes all previously submitted CSFs for this product.

A stamped copy of the labeling is enclosed for your records. Submit one (1) copy of your final printed labeling before you release the product for shipment

If you have any questions concerning this letter, please contact Mr. James Stone at 703-305-7391. For your assistance enclosed is a copy of the scientific review.

Sincerely yours,



Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

(Non-Commercial Label)

3712

RIVERDALE®

DISSOLVE® LBN 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. CONTAINS 2,4-D, MECOPROP-p AND DICHLORPROP-p

Weeds contacted by this product gradually die and disappear from the lawn.

Treats (or covers) 5,000 Sq. Ft. (50' x 100')

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2,4-D*	0.626%
Dimethylamine Salt of Mecoprop-p**†	0.163%
Dimethylamine Salt of Dichlorprop-p***†	0.161%
INERT ¹ INGREDIENTS:	99.050%
TOTAL	100.000%

ISOMER SPECIFIC METHOD, EQUIVALENT TO:

*2,4-D Acid	0.520%
**Mecoprop-p Acid	0.135%
***Dichlorprop-p Acid	0.135%

†CONTAINS THE SINGLE ISOMER FORMS OF MECOPROP-p AND DICHLORPROP-p

GUARANTEED ANALYSIS:°

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate (P ₂ O ₅)	X%
Soluble Potash(K ₂ O)	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)

RIVERDALE DISSOLVE AND THE OPTICAL ADVANTAGE ARE REGISTERED TRADEMARKS OF RIVERDALE CHEMICAL COMPANY Patent No. 5,266,553

ACCEPTED with COMMENTS In EPA Letter Dated: JUN 3 2003

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. 228-348

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND STATEMENT OF PRACTICAL TREATMENT

EPA REG. NO. 228-348

NET WEIGHT 16 LBS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY RIVERDALE CHEMICAL COMPANY BURR RIDGE, ILLINOIS 60527-0866

(Back Panel)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye injury. Harmful if absorbed through skin. Avoid inhalation of dust and contact with eyes, skin, or clothing. Wear long pants, long-sleeved shirt, socks and shoes when applying this product. After using this product remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. The maximum number of broadcast applications per treatment site is 2 per year. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until dust has settled.

STATEMENT OF PRACTICAL TREATMENT²

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.
IF ON SKIN: Wash skin with soap and water. Get medical attention.
IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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.

®
DISSOLVE LBN WEED AND FEED is a stable mixture of three herbicides. It is for use on Ornamental Turf such as Lawns, Parks, Cemeteries, Golf Courses (Fairways, Aprons, Tees, and Roughs) and similar non-crop areas.

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.

This product is designed to promote lush green growth in lawns and control many broadleaf weeds such as: Alder, Artichoke, Aster, Austrian fieldcress, Beggartick, Bidden, Bindweed, Bitterweed, Bitter wintercress, Black medic, Blessed thistle, Blue lettuce, Box elder, Broomweed, Buckhorn, Bull thistle, Burdock, Bur ragweed, Buttercup, Canada thistle, Carpetweed, Catnip, Chickweed, Chicory, Clover, Cockle, Cocklebur, Coffeebean, Coffeeweed, Common sowthistle, Creeping jenny, Croton, Curly indigo, Dandelion, Dock, Dogbane, Dogfennel, Elderberry, English daisy, Flea bane (daisy), Flixweed, Florida pusley, Frenchweed, Galinsoga, Goatsbeard, Goldenrod, Ground ivy, Gumweed, Hawkweed, Healall, Heartleaf drymary, Hemp, Henbit, Hoary cress, Honeysuckle, Horsetail, Indiana mallow, Ironweed, Jewelweed, Jimsonweed, Kochia, Knotweed, Lambsquarter, Locoweed, Lupine, Mallow, Marshelder, Mexicanweed, Morningglory, Musk thistle, Mustard, Nettle, Nutgrass, Orange hawkweed, Oxalis, Parsnip, Pennycress, Pennywort, Peppergrass, Pepperweed, Pigweed, Plantain, Poison hemlock, Poison ivy, Poison oak, Pokeweed, Poorjoe, Povertyweed, Prickly lettuce, Primrose, Puncture vine, Purslane, Ragweed, Red clover, Red sorrel, Rush, Russian thistle, St. Johnswort, Sheep sorrel, Shepherdspurse, Smartweed, Sneezeweed,

5 7 12

Southern wild rose, Sowthistle, Spanishneedle, Spatterdock, Speedwell, Spurge, Spurweed, Stinkweed, Stitchwort, Sumac, Sunflower, Sweet clover, Tarweed, Thistle, Toadflax, Tumbleweed, Velvet leaf, Veronica, Vervain, Vetch, Virginia buttonweed, Virginia creeper, Wild aster, Wild carrot, Wild garlic, Wild geranium, Wild lettuce, Wild onion, Wild radish, Wild rape, Wild strawberry, Wild sweet potato, Willow, Witchweed, Woodsorrel, Wormseed, Yarrow, Yellow rocket, and other broadleaf weeds.

WHEN TO APPLY: Best results are obtained when weeds are growing actively in Spring or early Fall. Avoid contact with desirable shrubs, plants, vegetables, or flowers; especially when applying with a rotary (spinner) type spreader. 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. For optimum results (1) Avoid mowing 1 to 2 days before and after application; (2) Apply when grass is moist (after a rain sprinkling or dew); (3) Avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash off weed killing material; and (4) Avoid applying if rainfall is expected within 48 hours following treatment. 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.

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 16 pound bag should be used on 5,000 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 3.2 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 250 square feet and adjust to apply at the rate of .8 pound per 250 square feet.

SPREADER SETTINGS

ONE PASS APPLICATION: °

<u>MAKE</u>	<u>SETTING</u>
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 of 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 P₂O₅ and K₂O levels) and herbicide to control listed weeds. Please consult your local extension office for questions regarding a regular fertilizer program.

*Based in Inert Fertilizer claimed.

6. 8. 12

STORAGE AND DISPOSAL

STORAGE: Store in original container and keep any bags containing unused product in locked storage area inaccessible to children and domestic animals. Do not store near feed or foodstuffs. To prevent cross-contamination, do not store near open containers of fertilizers, seed, or other pesticides.

PRODUCT DISPOSAL: To dispose of bag which contains unused product, securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty bag. Fold empty bag and discard in trash.

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

(RV 042902)

OPTIONAL SPREADER INSTRUCTIONS:

(Illustration) For Drop Spreaders: First apply two strips at ends. Then apply product along the length of the lawn, overlapping very slightly and shutting off spreader when turning.

(Illustration) For Rotary Spreaders: Apply in a circular path, starting on the outside and working toward the center, overlapping very slightly.

OPTIONAL MARKETING STATEMENTS:

Contains Dissolve® A Premium Broadleaf Herbicide

Environmental Benefits

(Grasscycling Logo)

Besides increasing property values, did you know a well-maintained lawn provides the following benefits to your home and environment:

- ✓ 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
- 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.

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.

Editor's note: Subregistrant Warranty Statements previously accepted by U.S. EPA for use on their own registered products are not included in this label.

Alternate Statements

- 1OTHER*
- 2FIRST AID

*Please note, some states still require the term INERT.

Application Guidelines

ZONE WHERE YOU LIVE (See map)	For best results, apply only one product during one period of time.											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NORTHERN ZONE			CRABGRASS PREV + FEEDS FOOD	WEED & FEED		LAWN FOOD			WEED & FEED			
TRANSITIONAL ZONE		CRABGRASS PREV + FEEDS FOOD		WEED & FEED		LAWN FOOD		WEED & FEED				
SOUTHERN ZONE			LAWN FOOD	WEED & FEED		LAWN FOOD			WEED & FEED			



Types of grasses common to each zone area:

- NORTHERN: Bluegrasses, Ryegrasses, Bentgrasses, Fine Fescue, Tall Fescue
- TRANSITIONAL: Bluegrasses, Ryegrasses, Fine Fescue, Tall Fescue, Bermudagrass, Zoysiagrass
- SOUTHERN: Bermudagrass, Zoysiagrass, Centipedegrass, Bahiagrass and St. Augustine

*Note: This guide estimates the timing of lawn product applications and is a guideline only. In Transitional and Southern Zones, be sure to apply the correct Weed & Feed for your grass type. Climatic conditions determine the appropriate timing of applying various product types. Consult a lawn and garden associate or your local county extension agent to determine your product needs and the appropriate timing to apply these products to your lawn.

Controls over 140 common lawn weeds while feeding your lawn with a premium blend of fertilizer nutrients that provide quick and extended greening.

Contains the 3 way power of Dissolve® for broadleaf, creeping and woody weeds
For thick, green, weed-free turf

Contains Poly-S® controlled release nitrogen for extended greening
(For best results, use with other lawn care products in the {product line} fertilizer program
Controls dandelions and over 140 other weeds

- XX% Nitrogen – Gives lawns their green color. Fertilizers with controlled release nitrogen formulas will feed and green your lawn over a longer period of time.
- X% Phosphate – This nutrient is important for normal root development. Good roots are vital for grass to take up water and nutrients
- X% Potassium – Also called potash, helps lawns better tolerate extreme weather conditions.
- Contributes to the overall vigor of grass.

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



QUESTIONS, COMMENTS, INFORMATION?
1-888-246-0024

BROADCAST SPREADER SETTINGS

FOR ONE PASS APPLICATION: For best results, apply in a circular path starting on the outside and working toward the center. A little overlap of product will ensure complete coverage.

All Scotts EasyGreen®	24 1/2
All Scotts SpeedyGreen®	5 1/2
Earthway (Model #2400)	10 1/2
Precision (Model #5850)	6 1/2
Republic EZ (Model #54075450)	2 1/2
Cyclone B1-B4	4 1/2



Broadcast Spreader Path



DROP SPREADER SETTINGS

FOR ONE PASS APPLICATION: First apply 2 border strips along the edge of each end of the lawn. Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips.

All Scotts Plastic	5
All Scotts Metal	5 1/2
Earthway (Model #7350)	4 1/2
Precision (Model #1922)	2 1/2
Republic EZ (Model #53075350)	6 1/2



Drop Spreader Path



To determine square footage of application area, follow calculation to the right.



Sam Walton, founder of Wal-Mart, listened to his customers, understood their needs, and found ways to offer quality products to them at every day low prices. The Sam's Choice brand continues his legacy by offering innovative products from around the world. We believe these products, available only at WalMart and Wal-Mart Supercenters, offer exceptional quality and better value than the leading national brands at our always low Wal-Mart prices. We think you'll agree, or we'll refund your money, no questions asked! "Better products at the always low Wal-Mart prices..." Always We guarantee it.

(Commercial Label)

8 7 12

RIVERDALE®

DISSOLVE® LBN 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. CONTAINS 2,4-D, MECOPROP-p and DICHLORPROP-p

Weeds contacted by this product gradually die and disappear from the lawn.

Treats (or covers) 5,000 Sq. Ft. (50' x 100')

GET THE OPTICAL ADVANTAGE®

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	0.626%
Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid**†	0.163%
Dimethylamine Salt of (+)-R-2-(2,4-Dichlorophenoxy)propionic Acid***†	0.161%
INERT INGREDIENTS:	99.050%
TOTAL	100.000%

ISOMER SPECIFIC AOAC METHOD, EQUIVALENT TO:

*2,4-Dichlorophenoxyacetic Acid	0.520%
** (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid	0.135%
*** (+)-R-2-(2,4-Dichlorophenoxy)propionic Acid	0.135%

†CONTAINS THE SINGLE ISOMER FORMS OF MECOPROP-p AND DICHLORPROP-p.

GUARANTEED ANALYSIS:°

Total Nitrogen (N)	X%
X% Ammoniacal Nitrogen	
X% Urea Nitrogen	
Available Phosphate(P ₂ O ₅)	X%
Soluble Potash(K ₂ O)	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).

Riverdale, DISSOLVE and GET THE OPTICAL ADVANTAGE are Registered Trademarks of Riverdale Chemical Company Patent No. 5,266,553

ACCEPTED with COMMENTS In EPA Letter Dated:

JUN 3 2003

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. 228-348 SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND STATEMENT OF PRACTICAL TREATMENT

NET WEIGHT 16 LBS.

EPA REG. NO. 228-348

EPA EST. NO. 228-IL-1

MANUFACTURED BY RIVERDALE CHEMICAL COMPANY BURR RIDGE, ILLINOIS 60527-0866

(Back Panel)

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

Causes moderate eye injury. Harmful if absorbed through skin. Avoid inhalation of dust and contact with eyes, skin, or clothing. Wear long pants, long-sleeved shirt, socks, shoes and gloves when loading and applying this product. After using this product remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. The maximum number of broadcast applications per treatment site is 2 per year. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until dust has settled.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.
IF ON SKIN: Wash skin with soap and water. Get medical attention.
IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters, nor pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D, MCP, and 2,4-DP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these phenoxy pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

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.

DISSOLVE® LBN WEED AND FEED is a stable mixture of three herbicides. It is for use on Ornamental Turf, such as Lawns, Parks, Cemeteries, Golf Courses (Fairway, Aprons, Tees and Roughs).

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.

This product is designed to promote lush green growth in lawns and control many broadleaf weeds such as: Alder, Artichoke, Aster, Austrian fieldcress, Beggartick, Bidden, Bindweed, Bitterweed, Bitter wintercress, Black medic, Blessed thistle, Blue lettuce, Box elder, Broomweed, Buckhorn, Bull thistle, Burdock, Bur ragweed, Buttercup, Canada thistle, Carpetweed, Catnip, Chickweed, Chicory, Clover, Cockle, Cocklebur, Coffeebean, Coffeeweed, Common sowthistle, Creeping jenny, Croton, Curly indigo, Dandelion, Dock, Dogbane, Dogfennel, Elderberry, English daisy, Flea bane (daisy), Flixweed, Florida pusley, Frenchweed, Galinsoga, Goatsbeard, Goldenrod, Ground ivy, Gumweed, Hawkweed, Healall, Heartleaf drymary, Hemp, Henbit, Hoary cress, Honeysuckle, Horsetail, Indiana mallow, Ironweed, Jewelweed, Jimsonweed, Kochia, Knotweed, Lambsquarter, Locoweed, Lupine, Mallow, Marshelder, Mexicanweed, Morningglory, Musk thistle, Mustard, Nettle, Nutgrass, Orange hawkweed, Oxalis, Parsnip, Pennygrass, Pennywort, Peppergrass, Pepperweed, Pigweed,

Plantain, Poison hemlock, Poison ivy, Poison oak, Pokeweed, Poorjoe, Povertyweed, Prickly lettuce, Primrose, Puncture vine, Purslane, Ragweed, Red clover, Red sorrel, Rush, Russian thistle, St. Johnswort, Sheep sorrel, Shepherdspurse, Smartweed, Sneezeweed, Southern wild rose, Sowthistle, Spanishneedle, Spatterdock, Speedwell, Spurge, Spurweed, Stinkweed, Stitchwort, Sumac, Sunflower, Sweet clover, Tarweed, Thistle, Toadflax, Tumbleweed, Velvet leaf, Veronica, Vervain, Vetch, Virginia buttonweed, Virginia creeper, Wild aster, Wild carrot, Wild garlic, Wild geranium, Wild lettuce, Wild onion, Wild radish, Wild rape, Wild strawberry, Wild sweet potato, Willow, Witchweed, Woodsorrel, Wormseed, Yarrow, Yellow rocket, and other broadleaf weeds.

WHEN TO APPLY: Best results are obtained when weeds are growing actively in Spring or early Fall. Avoid contact with desirable shrubs, plants, vegetables, or flowers; especially when applying with a rotary (spinner) type spreader. 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. For optimum results (1) Avoid mowing 1 to 2 days before and after application; (2) Apply when grass is moist (after a rain, sprinkling or dew); (3) Avoid unnecessary disturbances, including watering of treated areas for 48 hours after application. Watering will wash weed killing material; and (4) Avoid applying if rainfall is expected within 48 hours following treatment. 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.

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 16 pound bag should be used on 5,000 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 3.2 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 250 square feet and adjust to apply at the rate of .8 pound per 250 square feet.

SPREADER SETTINGS

ONE PASS APPLICATION:

<u>MAKE</u>	<u>SETTING</u>
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 of 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 P₂O₅ and K₂O 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.

11.7.12

STORAGE AND DISPOSAL

STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizers, seeds, or other pesticides. Do not stack more than two pallets high. Do not contaminate water, food or feed by storage or disposal.

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.

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

(RV 042902)

OPTIONAL SPREADER INSTRUCTIONS:

(Illustration) For Drop Spreaders: First apply two strips at ends. Then apply product along the length of the lawn, overlapping very slightly and shutting off spreader when turning.

(Illustration) For Rotary Spreaders: Apply in a circular path, starting on the outside and working toward the center, overlapping very slightly.

OPTIONAL MARKETING STATEMENTS:

Contains Dissolve® A Premium Broadleaf Herbicide

Safe for lawn - but for turf not pesticide

Environmental Benefits

(Grasscycling Logo)

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 of 4 every day
- ✓ Reduces Glare & Reduces Noise
- ✓ Traps Dust, Smoke Particles & other Pollutants
- ✓ Purifies Water & Modifies Temperature
- ✓ Improves Soil Condition & Controls Erosion

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.

12 7 12

Application Guidelines

ZONE WHERE YOU LIVE (See map)	For best results, apply only one product during one period of time.											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NORTHERN ZONE			GRASSLESS PRN + LAWN FOOD	WEED & FEED		WEED & FEED	WEED & FEED	WEED & FEED	WEED & FEED	WEED & FEED		
TRANSITIONAL ZONE		GRASSLESS PRN + LAWN FOOD		WEED & FEED		WEED & FEED	WEED & FEED	WEED & FEED	WEED & FEED	WEED & FEED		
SOUTHERN ZONE			WEED & FEED	WEED & FEED	WEED & FEED	WEED & FEED	WEED & FEED	WEED & FEED	WEED & FEED	WEED & FEED		



Types of grasses common to each zone area:
NORTHERN: Bluegrasses, Ryegrasses, Bentgrasses, Fine Fescue, Tall Fescue
TRANSITIONAL: Bluegrasses, Ryegrasses, Fine Fescue, Tall Fescue, Bermudagrass, Zoysiagrass
SOUTHERN: Bermudagrass, Zoysiagrass, Centipedegrass, Bahiagrass and St. Augustine

**Note: This guide estimates the timing of lawn product applications and is a guideline only. In Transitional and Southern Zones, be sure to apply the correct Weed & Feed for your grass type. Climatic conditions determine the appropriate timing of applying various product types. Consult a lawn and garden associate or your local county extension agent to determine your product needs and the appropriate timing to apply these products to your lawn.*

Controls over 140 common lawn weeds while feeding your lawn with a premium blend of fertilizer nutrients that provide quick and extended greening.

- Contains the 3 way power of Dissolve® for broadleaf, creeping and woody weeds
- For thick, green, weed-free turf
- Contains Poly-S® controlled release nitrogen for extended greening
- (For best results, use with other lawn care products in the {product line} fertilizer program
- Controls dandelions and over 140 other weeds

- XX% Nitrogen – Gives lawns their green color. Fertilizers with controlled release nitrogen formulas will feed and green your lawn over a longer period of time.
- X% Phosphate – This nutrient is important for normal root development. Good roots are vital for grass to take up water and nutrients
- X% Potassium – Also called potash, helps lawns better tolerate extreme weather conditions. Contributes to the overall vigor of grass.

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



BROADCAST SPREADER SETTINGS

FOR ONE PASS APPLICATION: For best results, apply in a circular path starting on the outside and working toward the center. A little overlap of product will ensure complete coverage. 3.2 LB./1000 sq. ft.

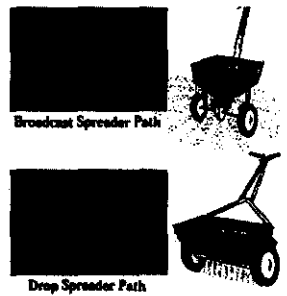
All Scotts EasyGreen®	24 1/2
All Scotts SpeedyGreen®	5 1/2
Earthway (Model #2400)	10 1/2
Precision (Model #5850)	5 1/2
Republic EZ (Model #54075450)	2 1/2
Cyclone #1-#4	4 1/2

DROP SPREADER SETTINGS

FOR ONE PASS APPLICATION: First apply 2 border strips along the edge of each end of the lawn. Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strip. 3.2 LB./1000 sq. ft.

All Scotts Plastic	5
All Scotts Metal	5 1/2
Earthway (Model #7350)	4 1/2
Precision (Model #F922)	2 1/2
Republic EZ (Model #53075350)	6 1/2

To determine square footage of application area, follow calculation to the right.



Sam Walton, founder of Wal-Mart, listened to his customers, understood their needs, and found ways to offer quality products to them at every day low prices. The Sam's Choice brand continues his legacy by offering innovative products from around the world. We believe these products, available only at WalMart and Wal-Mart Supercenters, offer exceptional quality and better value than the leading national brands at our always low Wal-Mart prices. We think you'll agree, or we'll refund your money, no questions asked! "Better products at the always low Wal-Mart prices..." Always We guarantee it.