

PM 23

1/12

JUL 1 1997

Russell F. Sawyer
Riverdale Chemical Company
425 West 194th Street
Glenwood, IL 60425-1584

Dear Mr. Sawyer:

Subject: Revised Labeling:
Change Signal Word and Precautionary Language;
Split Labels to Commercial and Non-Commercial Copies;
General Label Editing and Updating
Riverdale TEAM .87 Lawn Weed and Feed
EPA Registration No. 228-207
Your submission Dated April 4, 1997

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Make the following changes to the Precautionary Statements:
 - a) Add the statement "Harmful if swallowed, inhaled, or absorbed through skin" to the beginning of this section.
 - b) Add the statements "Avoid breathing dust. May cause skin sensitization reactions in certain individuals."
- 2) Add the following oral and inhalation statements to the existing Statement of Practical Treatment:

"IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting."

"IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention."

- 3) In order to exclude this product from the scope of the Worker Protection Standards, add the prohibition "Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes."

DK: 305-7546: HB/PM23

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	6/30/97							

2/12

- 4) We note that the section regarding Important Precautions on the non-commercial copy of the label makes a reference to use on putting greens. Since golf courses is not on the list of acceptable use sites for the non-commercial copy of the label, this reference should be deleted.
- 5) Within the paragraph for southern warm season turfgrass (paragraph B) in the section for "Spring Germinating" Summer Annual Grasses, a statement exists that reads "Use for 9,500 square feet where turf is completely overrun by weeds." Although this is an acceptable use rate, it conflicts with the following statement that reads "Use for 9,500 square feet when weeds are sparse or the turf is in a Yearly Crabgrass Control Program." According to the previously accepted label, it is recommended that the product is used for 6250 square feet where turf is completely overrun by weeds. If this anomaly results from a typographical error, it should be corrected.
- 6) Within the directions for Poa Annua (Annual Bluegrass) Control, the rate for northern cool season turfgrasses is written as "57.5 pounds per acre". Although this is an acceptable use rate, it does not agree with the following conversion of "equal to 0.5 pounds A.I. per 10,890 square feet". Either the rate should be revised to read "57.5 pounds per 10,870 square feet" or the conversion should be revised to read "equal to 0.5 pounds A.I. per acre".

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

Sincerely yours,

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

Enclosure

(Commercial)

3/12

RIVERDALE

TEAM® .87 LAWN WEED AND FEED

A Dual Action Pre-Emergent Crabgrass Killer containing
Benefin (Balan®) - Trifluralin and a Premium Turf Fertilizer.

For use on established Bluegrass (perennial), Ryegrass (perennial),
Fescue, Bahiagrass, Bermudagrass, Centipedegrass, St. Augustinegrass,
and Zoysiagrass for the control of Crabgrass and other listed Annual
Weed Grasses on Home Lawns, Golf Courses and other
Ornamental Lawns & Recreational Turf.

ACTIVE INGREDIENTS:

Benefin: N-butyl-N-ethyl- α,α,α -trifluoro-2,6-dinitro-p-toluidine	0.58%
Trifluralin: (α,α,α -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)	0.29%
INERT INGREDIENTS:	99.13%
TOTAL	100.00%

GUARANTEED ANALYSIS:

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

Primary Plant Foods derived from Urea, Sulfur Coated Urea, Ammonium Phosphate, 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)

Team® and Balan® --Registered Trademarks of DowElanco U.S. Patent No. 4,226,789

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

NET WEIGHT POUNDS

EPA REG. NO. 228-207

EPA EST. NO. 228-IL-1

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUL 1 1997

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

228-207

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

Revised 4/4/97 Split label into Non-Commercial & Commercial copy; Changed Signal Word and Precautionary Statements; also general update in Directions for Use.

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

Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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. If watering-in is used after the application, do not enter or allow others to enter the treated areas (except those involved in the watering) until watering-in is complete and surface is dry.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. 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.

WHERE TO APPLY

When applied according to these directions, this product can be used safely on the following turfgrass varieties: Perennial Bluegrass varieties, Perennial Ryegrass varieties, Bentgrass fairways, Bermudagrass, Bahiagrass, Centipedegrass, Fescue varieties, St. Augustinegrass & Zoysiagrass lawns and ornamental turf. Will not harm most nearby ornamental trees and shrubs when used as directed.

WEEDS CONTROLLED

This product contains a combination of Benefin and Trifluralin pre-emergence Herbicide plus a X-X-X Lawn Food. It should be applied to established turf for the control of Summer annual grasses: Crabgrass (Smooth and Hairy), Goosegrass (Silver Crab or Crowfoot), Barnyardgrass (Watergrass), and Foxtail (Green and Yellow); Winter Annual Bluegrass (Poa Annua); and provides partial control of prostate spurge (Euphorbia humistrata), Spotted spurge (Euphorbia maculata), Creeping spurge (Euphorbia serpens), Creeping woodsorrel (Oxalis corniculata), and Yellow woodsorrel (Oxalis stricta).

This product also provides a complete lawn fertilization.

(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.

WHEN TO APPLY

Apply to turf one to two weeks prior to the anticipated germination of weed seeds since established weeds will not be controlled. Apply only to healthy established turf grass lawns.

IMPORTANT PRECAUTIONS:

DO NOT apply in the Spring to Bermudagrass which has been overseeded with Winter grasses (annual rye) since thinning will occur. DO NOT use on Dichondra, nor on newly sprigged areas of Bermudagrass, St. Augustinegrass or Centipedegrass, until these turfs are well established, nor to Bentgrass or Putting Greens. DO NOT apply in Spring to Turfgrass planted the previous Fall. This product may thin established Annual Bluegrass (Poa Annua) and Fine-Leafed Fescue lawns when used at higher rates than 67.5 pounds per 10,890 square feet (0.5 pounds Active Ingredient [A.I.] Per 10,890 square feet). Do not overdose.

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.

WHEN AND HOW TO TIME YOUR APPLICATION

Successful pre-emergence control of the annual grass weeds on this label requires proper timing of application. This product must be applied one to two weeks prior to the germination of annual grass weeds. All Summer annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination period of any of the annual grassy weeds listed on this label, weed control results may be erratic or poor. Any cultural practices that disturb the soil such as aerification or verticutting, should be done prior to application of this product. Avoid skips and overlaps as poor weed control or turfgrass injury may occur. Optimum weed control performance will be obtained if treated areas are watered-in soon after application.

.....

"SPRING GERMINATING" SUMMER ANNUAL GRASSES: CRABGRASS, FOXTAIL, BARNYARDGRASS:

A. Northern Cool Season Grasses - For pre-emergence control, apply 44 to 57.5 pounds per 10,890 square feet (equal to 0.375 to 0.5 pounds A.I. per 10,890 square feet), applied in the Spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. 50 pounds will "Weed and Feed" 9,500 to 12,500 square feet.

B. Southern warm season turfgrass - For pre-emergence control, apply 57.5 to 86 pounds per 10,890 square feet (equal to 0.5 to 0.75 pounds A.I. per 10,890 square feet) in the late Winter or early Spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. 50 pounds will "Weed and Feed" 6,250 to 9,500 square feet. Use for 9,500 square feet where turf is completely overrun by weeds. Use for 9,500 square feet when weeds are sparse or the turf is in a Yearly Crabgrass Control Program.

.....

"LATE SPRING, EARLY SUMMER GERMINATING" ANNUAL GRASSES: GOOSEGRASS (SILVER CRAB)

Although classified as a Summer annual grass, goosegrass normally germinates 4 to 6 weeks later than the crabgrass, foxtails and other Summer annual grass species. Applications of this product should, therefore, be timed accordingly.

A. Northern cool season turfgrasses - For pre-emergence control, apply 57.5 pounds per 10,890 square feet (equal to 0.5 pounds A.I. per 10,890 square feet) of this product in late Spring or early Summer, one to two weeks prior to the expected germination period of goosegrass. 50 pounds will "Weed and Feed" 9,500 square feet.

B. Southern warm season turfgrasses - For pre-emergence control, apply 57.5 to 86 pounds per 10,890 square feet (equal to 0.5 to 0.75 pounds A.I. per 10,890 square feet) of this product in late Spring or early summer, one to two weeks prior to the expected germination of goosegrass. 50 pounds will "Weed and Feed" 6,250 to 9,500 square feet. Use for 6,250 square feet where turf is completely overrun by weeds. Use for 9,500 square feet when weeds are sparse and the turf is in a Yearly Lawn Maintenance Program.

FULL SEASON CONTROL IN NORTHERN AND SOUTHERN TURFGRASSES

In areas of the United States where pre-emergence control of both early germinating annual grasses (Crabgrass, Foxtails, and Barnyardgrass) and the later germinating Goosegrass is

6/12

desired, two applications of this product at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.

POA ANNUA (ANNUAL BLUEGRASS) CONTROL

In areas of heavy infestation of Annual Bluegrass, its elimination will leave areas of thin turf. Employ proper cultural practices to establish a new turf.

Northern cool season turfgrasses - For pre-emergence control, apply 57.5 pounds per acre (equal to 0.5 pounds A.I. per 10,890 square feet) of this product in late Summer or early Fall and again in late Winter or Spring, one to two weeks prior to expected germination of annual bluegrass. 50 pounds treats 9,500 square feet of turfgrass area.

Southern warm season turfgrasses - For pre-emergence control, apply 86 pounds per 10,890 square feet (equal to 0.75 pounds A.I. per acre) of this product in the late Summer or early Fall, one to two weeks prior to expected germination of annual bluegrass. In Southern areas of the United States where germination of annual bluegrass continues for extended periods of time, a second application at 86 pounds per 10,890 square feet can be made 10 to 12 weeks after the initial treatment. 50 pounds treats 6,250 square feet of Turfgrass area.

RESEEDING TREATED AREAS: 1. Delay reseeding - 6 weeks when applying at the rate of 44 to 57.5 pounds of product per 10,890 square feet (equal to 0.375 to 0.5 pounds A.I. per 10,890 square feet or 50 pounds to treat 9,500 to 12,500 square feet.) 2. Delay reseeding - 12 to 16 weeks when applying at the rate of 86 pounds of product per 10,890 square feet (equal to 0.75 pounds of A.I. per 10,890 square feet or 50 pounds to treat 6,250 square feet). WHEN RESEEDING - INCREASE THE RECOMMENDED AMOUNT OF SEED BY 25%.

SPREADER SETTINGS

The following spreader settings are for use with new equipment. Your spreader may need calibrating since proper application is based on the spreader's condition with regard to age and use, your walking speed and the unevenness of the terrain. Poor weed control will result from uneven or improper application.

SPREADER SETTINGS FOR SINGLE APPLICATION

Spreader	50# Bag	Northern Lawns		Southern Lawns	
		Crabgrass etc.	Poa Annua	Crabgrass etc.	Poa Annua
SCOTT #35	12,500 Sq. Ft.	3½	5	--	--
	9,500 Sq. Ft.	4½	6	5	6
	6,250 Sq. Ft.	--	--	5½	7
CYCLONE B-1	12,500 Sq. Ft.	2½	3½	--	--
	9,500 Sq. Ft.	3½	4½	3½	4½
	6,250 Sq. Ft.	--	--	4½	5

FOR OPTIMUM PRE-EMERGENCE WEED CONTROL APPLY AT THE APPROPRIATE TIME

APPROPRIATE TIMES TO APPLY THIS PRE-EMERGENT HERBICIDE											
JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
		1. _____		2. _____		3. _____					
		4. _____		5. _____						6. _____	
1. For Crabgrass etc. Northern Lawns.						4. For Crabgrass etc. Southern Lawns.					
2. For Goosegrass in Northern Lawns.						5. For Goosegrass in Southern Lawns.					
3. For Poa Annua in Northern Lawns.						6. For Poa Annua in Southern Lawns.					

*Two applications spaced 8 to 10 weeks apart may be needed for season long control.

In areas with extended growing seasons or where desired, a second application at the recommended rate can be made 8 to 10 weeks following the initial application on cool season turfgrasses and 10 to 12 weeks following the initial application on warm season turfgrasses.

Split Applications for Extended Control and Lawn Care Operator Programs

As an alternative to single application programs, this product may also be applied in split applications. This program is desirable when the initial application is made well in advance of weed germination and where weed control is desired for a longer period of time. For split applications, do not reseed treated areas for 8 to 10 weeks after the last 44 pounds per 10,890 square feet rate or 10 to 12 weeks after the last 57.5 pounds per 10,890 square feet rate.

Apply this product at 44 pounds plus 44 pounds per 10,890 square feet for Cool Season Turfgrasses and in the northern half of the Warm season Turfgrass area of the U.S. or 57.5 pounds plus 57.5 pounds per 10,890 square feet in the southern half of the Warm Season Turfgrass area of the U.S. The second application should be made 8 to 10 weeks following the 44 pounds per 10,890 square feet rate and 10 to 12 weeks following the 57.5 pounds per 10,890 square feet rate.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: 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. 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.

WARRANTY: Riverdale warrants that this herbicide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this herbicide is reasonably fit for its intended purposes. Since timing, method of application, weather, plant and soil conditions, mixtures with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

(PR938 042194/RV 040497)

[Editor's note: Subregistrant label may include a different (1) Fertilizer Analysis; (2) table of recommended spreader equipment and spreader settings for the fertilizer blend used; (3) Warranty Statement. Chlorine declaration is optional except where mandated by State fertilizer regulation.]

(Non-Commercial)

8/12

RIVERDALE

TEAM® .87 LAWN WEED AND FEED

A Dual Action Pre-Emergent Crabgrass Killer containing Benefin (Balan®) - Trifluralin and a Premium Turf Fertilizer.

For use on established Bluegrass (perennial), Ryegrass (perennial), Fescue, Bahiagrass, Bermudagrass, Centipedegrass, St. Augustinegrass, and Zoysiagrass for the control of Crabgrass and other listed Annual Weed Grasses on Ornamental Lawns and Turf.

ACTIVE INGREDIENTS:

Benefin: N-butyl-N-ethyl- α,α,α -trifluoro-2,6-dinitro-p-toluidine	0.58%
Trifluralin: (α,α,α -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)	0.29%
INERT INGREDIENTS:	99.13%
TOTAL	100.00%

GUARANTEED ANALYSIS:

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

Primary Plant Foods derived from Urea, Sulfur Coated Urea, Ammonium Phosphate, 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)

Team® and Balan® - Registered Trademarks of DowElanco

U.S. Patent No. 4,226,789

RECEIVED
APR 27 1997
13:01
70PP01

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

NET WEIGHT POUNDS

EPA REG. NO. 228-207

EPA EST. NO. 228-IL-1

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUL 1 1997

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 228-207

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

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

Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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. If watering-in is used after the application, do not enter or allow others to enter the treated areas (except those involved in the watering) until watering-in is complete and surface is dry.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. 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.

WHERE TO APPLY

When applied according to these directions, this product can be used safely on the following turfgrass varieties: Perennial Bluegrass varieties, Perennial Ryegrass varieties, Bentgrass fairways, Bermudagrass, Bahiagrass, Centipedegrass, Fescue varieties, St. Augustinegrass & Zoysiagrass lawns and ornamental turf. Will not harm most nearby ornamental trees and shrubs when used as directed.

WEEDS CONTROLLED

This product contains a combination of Benefin and Trifluralin pre-emergence Herbicide plus a X-X-X Lawn Food. It should be applied to established turf for the control of Summer annual grasses: Crabgrass (Smooth and Hairy), Goosegrass (Silver Crab or Crowfoot), Barnyardgrass (Watergrass), and Foxtail (Green and Yellow); Winter Annual Bluegrass (Poa Annua); and provides partial control of prostate spurge (Euphorbia humistrata), Spotted spurge (Euphorbia maculata), Creeping spurge (Euphorbia serpens), Creeping woodsorrel (Oxalis corniculata), and Yellow woodsorrel (Oxalis stricta).

This product also provides a complete lawn fertilization.

(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.

WHEN TO APPLY

Apply to turf one to two weeks prior to the anticipated germination of weed seeds since established weeds will not be controlled. Apply only to healthy established turf grass lawns.

IMPORTANT PRECAUTIONS:

DO NOT apply in the Spring to Bermudagrass which has been overseeded with Winter grasses (annual rye) since thinning will occur. DO NOT use on Dichondra, nor on newly sprigged areas of Bermudagrass, St. Augustinegrass or Centipedegrass, until these turfs are well established, nor to Bentgrass or Putting Greens. DO NOT apply in Spring to Turfgrass planted the previous Fall. This product may thin established Annual Bluegrass (Poa Annua) and Fine-Leafed Fescue lawns when used at higher rates than 67.5 pounds per 10,890 square feet (0.5 pounds Active Ingredient [A.I.] Per 10,890 square feet). Do not overdose.

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.

WHEN AND HOW TO TIME YOUR APPLICATION

Successful pre-emergence control of the annual grass weeds on this label requires proper timing of application. This product must be applied one to two weeks prior to the germination of annual grass weeds. All Summer annual grasses do not germinate at the same time. If application timing does not coincide with the normal germination period of any of the annual grassy weeds listed on this label, weed control results may be erratic or poor. Any cultural practices that disturb the soil such as aerification or verticutting, should be done prior to application of this product. Avoid skips and overlaps as poor weed control or turfgrass injury may occur. Optimum weed control performance will be obtained if treated areas are watered-in soon after application.

"SPRING GERMINATING" SUMMER ANNUAL GRASSES: CRABGRASS, FOXTAIL, BARNYARDGRASS:

A. Northern Cool Season Grasses - For pre-emergence control, apply 44 to 57.5 pounds per 10,890 square feet (equal to 0.375 to 0.5 pounds A.I. per 10,890 square feet), applied in the Spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. 50 pounds will "Weed and Feed" 9,500 to 12,500 square feet.

B. Southern warm season turfgrass - For pre-emergence control, apply 57.5 to 86 pounds per 10,890 square feet (equal to 0.5 to 0.75 pounds A.I. per 10,890 square feet) in the late Winter or early Spring one to two weeks prior to the onset of conditions favorable for annual weedy grass seed germination. 50 pounds will "Weed and Feed" 6,250 to 9,500 square feet. Use for 9,500 square feet where turf is completely overrun by weeds. Use for 9,500 square feet when weeds are sparse or the turf is in a Yearly Crabgrass Control Program.

"LATE SPRING, EARLY SUMMER GERMINATING" ANNUAL GRASSES: GOOSEGRASS (SILVER CRAB)

Although classified as a Summer annual grass, goosegrass normally germinates 4 to 6 weeks later than the crabgrass, foxtails and other Summer annual grass species. Applications of this product should, therefore, be timed accordingly.

A. Northern cool season turfgrasses - For pre-emergence control, apply 57.5 pounds per 10,890 square feet (equal to 0.5 pounds A.I. per 10,890 square feet) of this product in late Spring or early Summer, one to two weeks prior to the expected germination period of goosegrass. 50 pounds will "Weed and Feed" 9,500 square feet.

B. Southern warm season turfgrasses - For pre-emergence control, apply 57.5 to 86 pounds per 10,890 square feet (equal to 0.5 to 0.75 pounds A.I. per 10,890 square feet) of this product in late Spring or early summer, one to two weeks prior to the expected germination of goosegrass. 50 pounds will "Weed and Feed" 6,250 to 9,500 square feet. Use for 6,250 square feet where turf is completely overrun by weeds. Use for 9,500 square feet when weeds are sparse and the turf is in a Yearly Lawn Maintenance Program.

FULL SEASON CONTROL IN NORTHERN AND SOUTHERN TURFGRASSES

In areas of the United States where pre-emergence control of both early germinating annual grasses (Crabgrass, Foxtails, and Barnyardgrass) and the later germinating Goosegrass is

desired, two applications of this product at the recommended rate spaced 8 to 10 weeks apart may be made to provide full season control of these annual grass species.

POA ANNUA (ANNUAL BLUEGRASS) CONTROL

In areas of heavy infestation of Annual Bluegrass, its elimination will leave areas of thin turf. Employ proper cultural practices to establish a new turf.

Northern cool season turfgrasses - For pre-emergence control, apply 57.5 pounds per acre (equal to 0.5 pounds A.I. per 10,890 square feet) of this product in late Summer or early Fall and again in late Winter or Spring, one to two weeks prior to expected germination of annual bluegrass. 50 pounds treats 9,500 square feet of turfgrass area.

Southern warm season turfgrasses - For pre-emergence control, apply 86 pounds per 10,890 square feet (equal to 0.75 pounds A.I. per acre) of this product in the late Summer or early Fall, one to two weeks prior to expected germination of annual bluegrass. In Southern areas of the United States where germination of annual bluegrass continues for extended periods of time, a second application at 86 pounds per 10,890 square feet can be made 10 to 12 weeks after the initial treatment. 50 pounds treats 6,250 square feet of Turfgrass area.

RESEEDING TREATED AREAS: 1. Delay reseeding - 6 weeks when applying at the rate of 44 to 57.5 pounds of product per 10,890 square feet (equal to 0.375 to 0.5 pounds A.I. per 10,890 square feet or 50 pounds to treat 9,500 to 12,500 square feet.) 2. Delay reseeding - 12 to 16 weeks when applying at the rate of 86 pounds of product per 10,890 square feet (equal to 0.75 pounds of A.I. per 10,890 square feet or 50 pounds to treat 6,250 square feet). WHEN RESEEDING - INCREASE THE RECOMMENDED AMOUNT OF SEED BY 25%.

SPREADER SETTINGS

The following spreader settings are for use with new equipment. Your spreader may need calibrating since proper application is based on the spreader's condition with regard to age and use, your walking speed and the unevenness of the terrain. Poor weed control will result from uneven or improper application.

SPREADER SETTINGS FOR SINGLE APPLICATION

Spreader	50# Bag	Northern Lawns		Southern Lawns	
		Crabgrass etc.	Poa Annua	Crabgrass etc.	Poa Annua
SCOTT #35	12,500 Sq. Ft.	3½	5	-	-
	9,500 Sq. Ft.	4½	6	5	6
	6,250 Sq. Ft.	-	-	5½	7
CYCLONE B-1	12,500 Sq. Ft.	2½	3½	-	-
	9,500 Sq. Ft.	3½	4½	3½	4½
	6,250 Sq. Ft.	-	-	4½	5

FOR OPTIMUM PRE-EMERGENCE WEED CONTROL APPLY AT THE APPROPRIATE TIME

APPROPRIATE TIMES TO APPLY THIS PRE-EMERGENT HERBICIDE											
JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
		1. _____	2. _____	3. _____							
		4. _____	5. _____						6. _____		

1. For Crabgrass etc. Northern Lawns. 4. For Crabgrass etc. Southern Lawns.
 2. For Goosegrass in Northern Lawns. 5. For Goosegrass in Southern Lawns.
 3. For Poa Annua in Northern Lawns. 6. For Poa Annua in Southern Lawns.

*Two applications spaced 8 to 10 weeks apart may be needed for season long control.

In areas with extended growing seasons or where desired, a second application at the recommended rate can be made 8 to 10 weeks following the initial application on cool season turfgrasses and 10 to 12 weeks following the initial application on warm season turfgrasses.

12/112

Split Applications for Extended Control and Lawn Care Operator Programs

As an alternative to single application programs, this product may also be applied in split applications. This program is desirable when the initial application is made well in advance of weed germination and where weed control is desired for a longer period of time. For split applications, do not reseed treated areas for 8 to 10 weeks after the last 44 pounds per 10,890 square feet rate or 10 to 12 weeks after the last 57.5 pounds per 10,890 square feet rate.

Apply this product at 44 pounds plus 44 pounds per 10,890 square feet for Cool Season Turfgrasses and in the northern half of the Warm season Turfgrass area of the U.S. or 57.5 pounds plus 57.5 pounds per 10,890 square feet in the southern half of the Warm Season Turfgrass area of the U.S. The second application should be made 8 to 10 weeks following the 44 pounds per 10,890 square feet rate and 10 to 12 weeks following the 57.5 pounds per 10,890 square feet rate.

STORAGE AND DISPOSAL

STORAGE: Store in original container and keep any bags containing unused product in a dry 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 other herbicides, insecticides, fungicides, fertilizers, or seeds.

PESTICIDE DISPOSAL: To dispose of bags which contain unused product, securely wrap bag in several layers of newspaper and discard in trash.

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

WARRANTY: Riverdale warrants that this herbicide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this herbicide is reasonably fit for its intended purposes. Since timing, method of application, weather, plant and soil conditions, mixtures with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

(PR938 042194/RV 040497)

[Editor's note: Subregistrant label may include a different (1) Fertilizer Analysis; (2) table of recommended spreader equipment and spreader settings for the fertilizer blend used; (3) Warranty Statement. Chlorine declaration is optional except where mandated by state fertilizer regulation.]