

PM 21

228-298

11-22-96

1/8

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 05-31-98.



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
243144

Application for Pesticide - Section I

1. Company/Product Number 228-298	2. EPA Product Manager Connie Welch	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Riverdale Patchwork TM	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Riverdale Chemical Company 425 West 194th Street Glenwood, Illinois 60425-1584 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION

Revising Take-All Patch and Spring Dead Spot disease names.

NOV 22, 1996

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
* Notification must be submitted		If "Yes" Unit Packaging wgt. _____ No. per container _____	If "Yes" Package wgt _____ No. per container _____		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Russell F. Sawyer	Title Regulatory Affairs Manager	Telephone No. (include Area Code) 708/754-3330
2. Signature 		3. Title Regulatory Affairs Manager
4. Typed Name Russell F. Sawyer	5. Date October 31, 1996	6. Date Application Received (Stamped) SIG 1/17/97
<p>Certification</p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</p>		

2/8

RIVERDALE

PATCHWORK™

FOR USE ON GOLF COURSES, PARKS, ATHLETIC FIELDS,
SOD FARMS, AND SIMILAR COMMERCIAL AND RESIDENTIAL AREAS

ACTIVE INGREDIENT:

Penarimol	0.78%
INERT INGREDIENTS	99.22%
TOTAL	100.00%

Contains 0.0078 pounds active per pound.

Patchwork™ is a Trademark of Riverdale Chemical Company

NOTIFICATION

NOV 22, 1996

KEEP OUT OF REACH OF CHILDREN

CAUTION - CAUCION

Si usted no entiende la etiqueta, busque a alguien para que
se la explique a usted en detalle.

(If you do not understand the label, find someone
to explain it to you in detail.)

SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS
AND STATEMENT OF PRACTICAL TREATMENT

NET WEIGHT: LBS.

EPA REG. NO. 228-298

EPA EST. NO. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

NOTE: Spanish language is optional.

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

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

NON-WPS USES: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) -- in general, only agricultural plant uses are covered by the WPS -- must wear: no Personal Protection Equipment required when loading or applying.

WPS USES: Personal Protective Equipment - Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) - in general, agricultural plant uses are covered -- must wear: long-sleeved shirt and short pants; waterproof gloves, and shoes plus socks. Follow manufacturers instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

STATEMENTS OF PRACTICAL TREATMENT

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

USER SAFETY RECOMMENDATIONS

USERS SHOULD: Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval.

(REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves, and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. No re-entry restrictions for non-crop applications.

Patchwork™ is a locally systemic fungicide that provides preventive control of the Patch Diseases of Turf listed on this label. This product is a soil active fungicide that must be applied prior to the onset of disease activity in accordance with label specified timing. Since Patch Diseases in Turf are generally active in the same area they occurred previously, preventive applications of Patchwork™ to the previously affected area are necessary for control.

Application Directions:

PATCHWORK™ GRANULE RATE RECOMMENDATIONS - TURF (excluding Greens & Tees)

DISEASE ORGANISM	#/ACRE	#/1,000 SQUARE FEET	APPLICATION INTERVAL	SEE COMMENTS
Necrotic Ring Spot (Leptosphaeria korrae)	175 to 350	4 to 8	1 or 2 applications	1, 2.
Summer Patch (Magnaporthe poae)	175 to 350	4 to 8	1 or 2 applications	1, 2.
Fusarium Blight (Fusarium culmorum) (Fusarium poae)	175 to 350	4 to 8	1 or 2 applications	1, 2.
Take-All-Patch (Gaeumannomyces graminis var. avenac)	175 to 350	4 to 8	1 or 2 applications	2, 3.
Spring Dead Spot (Leptosphaeria korrae) (Ophiosphaerella herpotricha) (Gaeumannomyces graminis var. graminis)	175 to 262.5	4 to 6	Single application	2, 4.

PATCHWORK™ GRANULE RATE RECOMMENDATIONS - GREENS & TEES

DISEASE ORGANISM	#/ACRE	#/1,000 SQUARE FEET	APPLICATION INTERVAL	SEE COMMENTS
Necrotic Ring Spot (Leptosphaeria korrae)	175	4	Split application - 30 day intervals	2, 5.
Summer Patch (Magnaporthe poae)	175	4	Split application - 30 day intervals	2, 5.
Fusarium Blight (Fusarium culmorum) (Fusarium poae)	175	4	Split application - 30 day intervals	2, 5.
Take-All-Patch (Gaeumannomyces graminis var. avenac)	350	8	Split application - 30 day intervals	2, 6.

DISEASE ORGANISM	#/ACRE	#/1,000 SQUARE FEET	APPLICATION INTERVAL	SEE COMMENTS
Spring Dead Spot (Leptosphaeria korrae) (Ophiosphaerella herpotricha) (Gaeumannomyces graminis var. graminis)	175 to 262.5	4 to 6	Single application	2, 4

COMMENTS

1. Apply preventively in a single 175 to 350 #/acre (4 to 8 #/1,000 square feet) application in April or as a split application with 87.5 to 175 #/acre (2 to 4 #/1,000 square feet) applied in April and 87.5 to 175 #/acre (2 to 4 #/1,000 square feet) applied in May.
* Use the higher rate listed when area to be treated has a previous history of disease infestation.
2. For maximum results, water in or irrigate after treatment with $\frac{1}{2}$ to 1 inch of water.
3. Apply preventively in a single 350 #/acre (8 #/1,000 square feet) application or as a split application with each application at 175 #/acre (4 #/1,000 square feet) applied at 30 day intervals. Applications should be made prior to permanent snow cover or frozen soil.
4. For Spring Dead Spot, make a single application of 175 #/acre (4 #/1,000 square feet) in September, or 262.5 #/acre (6 #/1,000 square feet) in October or November.
5. For greens and tees, apply preventively with split applications with the first application of 87.5 #/acre (2 #/1,000 square feet) beginning in April followed by a second application of 87.5 #/acre (2 #/1,000 square feet) in May. If conditions are favorable in the Fall for disease occurrence, applications 14 days prior to the anticipated appearance of disease symptoms may be necessary.
6. For greens and tees, apply preventively in split applications of 175 #/acre (4 #/1,000 square feet) at 30 day intervals. Applications should be made prior to permanent snow cover or frozen soil. If conditions are favorable in the Fall for disease occurrence, applications 14 days prior to the anticipated appearance of disease symptoms may be necessary.

PRECAUTIONS

Applications to turfgrass areas containing *Poa annua* (annual bluegrass) may result in the gradual reduction of this species from the turfgrass area. Cumulative dosages of 350 #/acre (8 #/1,000 square feet) are usually necessary for this response to occur.

**POA ANNUA MANAGEMENT PROGRAM
FOR OVERSEEDED BERMUDAGRASS GREENS AND TEES**

Poa annua behaves as a true Winter annual weed in Southern warm season turfgrass areas. As such, it reduces turf quality in overseeded Bermudagrass greens and tees and is a significant management problem for golf course superintendents. Patchwork can be used as a tool for reducing *Poa annua* populations in overseeded Bermudagrass greens and tees. Methods of reducing *Poa annua* populations can be varied to fit easily into a golf course turf management program. This labeling describes various options for managing *Poa annua* populations using Patchwork. The program should not be undertaken unless these instructions are fully understood by the user. In addition, the user should read and follow all use directions, precautions and limitations on the Patchwork label.

Patchwork Growth Regulating Effect

Patchwork may exert a growth regulating effect in certain plants by reducing the biosynthesis of gibberellic acid. This effect is expressed as a reduction in internode elongation and suppression of overall plant growth. In the presence of sufficiently high rates of Patchwork or prolonged exposure, a species sensitive to this effect may be selectively suppressed. In turf this effect allows the competitive balance to shift in favor of less sensitive cultivars. *Poa annua* has demonstrated a significantly greater sensitivity to Patchwork than perennial turfgrass species and most of their cultivars.

The selective growth regulation of *Poa annua* can be most readily observed in Patchwork treated greens and tees. Proper use of this activity can assist the golf course superintendent in managing the *Poa annua* composition of the greens and tees.

Management of *Poa annua* Using Patchwork

Patchwork, a highly effective locally systemic fungicide, is labeled for control of a number of economically important turfgrass diseases. The Patchwork *Poa annua* management program can be timed to coincide with Fall fungicide applications for control of late season diseases in Bermudagrass greens and tees.

For optimum control, Patchwork should be applied prior to germination of *Poa annua*. Treatment alternatives include a program of either 2 or 3 applications to reach the 12.0 #/1,000 square feet rate of Patchwork.

Timing is critical issue in achieving control of *Poa annua*. Most consistent results are achieved when Patchwork is applied prior to germination of *Poa annua*. If a later overseeding date is scheduled, the three application strategy is most effective.

Overseeding

Fine bladed perennial ryegrass or blends of ryegrass cultivars are recommended for overseeding greens and tees. To avoid seedling stress, the last application of Patchwork should be made at least 2 weeks before overseeding perennial ryegrass and the seeding rate should be a minimum of 30 pounds per 1,000 square feet. If either *Poa trivialis* or bentgrass is used for overseeding, follow the 3 application program. To avoid seedling stress when overseeding *Poa trivialis* or bentgrass, the final application of Patchwork should be made at least 30 days before overseeding.

Patchwork *Poa annua* Control Programs

Program	Number of Applications	Rate Application	Spray Interval	Application Timing	Expected Percent Control
A	2	Patchwork 6.0 #/1,000 square feet	14 days	First application prior to <i>Poa annua</i> germination	75 to 95%
B	3	Patchwork 4.0 #/1,000 square feet	14 days	First application prior to <i>Poa annua</i> germination	75 to 95%

Note: A single application of 2.0 # of Patchwork per 1,000 square feet in January or February following overseeding will help enhance the suppression of *Poa annua* and prolong this effect through the Spring season

Anticipated Results

Application of Patchwork for management of *Poa annua* will coincide with the onset of Winter dormancy in Bermudagrass. Extended periods of low temperatures and heavy rainfall after a Patchwork application may result in yellowing of Bermudagrass. This effect is attributable to developing dormancy of Bermudagrass, not to Patchwork application. Normal germination and growth of the overseeded grasses can be expected.

Applications of Patchwork in the programs recommended in this label will result in *Poa annua* control in the range of 75 to 95 percent. Results are most apparent during the following Spring season when *Poa annua* seedheads are visible and plant populations can be measured. Concurrent control to turf diseases susceptible to Patchwork at the rates applied can be expected as a part of the *Poa annua* control program.

Precaution

- A single application of Patchwork in excess of 8.0 #/1,000 square feet may inhibit the germination of creeping bentgrass for up to 30 days after application. Do not apply this treatment where creeping bentgrass is to be seeded within 30 days after application.
- During periods of environmental stress, a single high rate application of Patchwork may rapidly eliminate *Poa annua* from greens, tees or other close cut turf areas. Do not apply this treatment if rapid elimination of *Poa annua* is a potential problem.
- Refer to the Patchwork label for additional use directions, precautions and limitations

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NON-AGRICULTURAL USE REQUIREMENTS

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NOTIFICATION

Application Directions:

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(excluding Greens & Tees)

DISEASE ORGANISM	#/ACRE	#/1,000 SQUARE FEET	APPLICATION INTERVAL	SEE COMMENTS
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PM 21

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United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
243144

Application for Pesticide - Section I

1. Company/Product Number 228-298	2. EPA Product Manager Connie Welch	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Riverdale Patchwork TM	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Riverdale Chemical Company 425 West 194th Street Glenwood, Illinois 60425-1584 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
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<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION

Revising Take-All Patch and Spring Dead Spot disease names.

NOV 22, 1996

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
* Notification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt	No. per container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Russell F. Sawyer	Title Regulatory Affairs Manager	Telephone No. (include Area Code) 708/754-3330
2. Signature 		3. Title Regulatory Affairs Manager
4. Typed Name Russell F. Sawyer	5. Date October 31, 1996	6. Date Application Received (Stamped) SIG 1/17/97

2/8

RIVERDALE

PATCHWORK™

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ACTIVE INGREDIENT:

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INERT INGREDIENTS	99.22%
TOTAL	100.00%

Contains 0.0078 pounds active per pound.

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NOTIFICATION

NOV 22, 1996

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to explain it to you in detail.)

SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS
AND STATEMENT OF PRACTICAL TREATMENT

NET WEIGHT: LBS.

EPA REG. NO. 228-298

EPA EST. NO. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

NOTE: Spanish language is optional.

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HAZARDS TO HUMANS AND DOMESTIC ANIMALS
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USER SAFETY RECOMMENDATIONS

USERS SHOULD: Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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COMMENTS

1. Apply preventively in a single 175 to 350 #/acre (4 to 8 #/1,000 square feet) application in April or as a split application with 87.5 to 175 #/acre (2 to 4 #/1,000 square feet) applied in April and 87.5 to 175 #/acre (2 to 4 #/1,000 square feet) applied in May.
* Use the higher rate listed when area to be treated has a previous history of disease infestation.
2. For maximum results, water in or irrigate after treatment with $\frac{1}{2}$ to 1 inch of water.
3. Apply preventively in a single 350 #/acre (8 #/1,000 square feet) application or as a split application with each application at 175 #/acre (4 #/1,000 square feet) applied at 30 day intervals. Applications should be made prior to permanent snow cover or frozen soil.
4. For Spring Dead Spot, make a single application of 175 #/acre (4 #/1,000 square feet) in September, or 262.5 #/acre (6 #/1,000 square feet) in October or November.
5. For greens and tees, apply preventively with split applications with the first application of 87.5 #/acre (2 #/1,000 square feet) beginning in April followed by a second application of 87.5 #/acre (2 #/1,000 square feet) in May. If conditions are favorable in the Fall for disease occurrence, applications 14 days prior to the anticipated appearance of disease symptoms may be necessary.
6. For greens and tees, apply preventively in split applications of 175 #/acre (4 #/1,000 square feet) at 30 day intervals. Applications should be made prior to permanent snow cover or frozen soil. If conditions are favorable in the Fall for disease occurrence, applications 14 days prior to the anticipated appearance of disease symptoms may be necessary.

PRECAUTIONS

Applications to turfgrass areas containing *Poa annua* (annual bluegrass) may result in the gradual reduction of this species from the turfgrass area. Cumulative dosages of 350 #/acre (8 #/1,000 square feet) are usually necessary for this response to occur.

**POA ANNUA MANAGEMENT PROGRAM
FOR OVERSEEDED BERMUDAGRASS GREENS AND TEES**

Poa annua behaves as a true Winter annual weed in Southern warm season turfgrass areas. As such, it reduces turf quality in overseeded Bermudagrass greens and tees and is a significant management problem for golf course superintendents. Patchwork can be used as a tool for reducing *Poa annua* populations in overseeded Bermudagrass greens and tees. Methods of reducing *Poa annua* populations can be varied to fit easily into a golf course turf management program. This labeling describes various options for managing *Poa annua* populations using Patchwork. The program should not be undertaken unless these instructions are fully understood by the user. In addition, the user should read and follow all use directions, precautions and limitations on the Patchwork label.

Patchwork Growth Regulating Effect

Patchwork may exert a growth regulating effect in certain plants by reducing the biosynthesis of gibberellic acid. This effect is expressed as a reduction in internode elongation and suppression of overall plant growth. In the presence of sufficiently high rates of Patchwork or prolonged exposure, a species sensitive to this effect may be selectively suppressed. In turf this effect allows the competitive balance to shift in favor of less sensitive cultivars. *Poa annua* has demonstrated a significantly greater sensitivity to Patchwork than perennial turfgrass species and most of their cultivars.

The selective growth regulation of *Poa annua* can be most readily observed in Patchwork treated greens and tees. Proper use of this activity can assist the golf course superintendent in managing the *Poa annua* composition of the greens and tees.

Management of *Poa annua* Using Patchwork

Patchwork, a highly effective locally systemic fungicide, is labeled for control of a number of economically important turfgrass diseases. The Patchwork *Poa annua* management program can be timed to coincide with Fall fungicide applications for control of late season diseases in Bermudagrass greens and tees.

For optimum control, Patchwork should be applied prior to germination of *Poa annua*. Treatment alternatives include a program of either 2 or 3 applications to reach the 12.0 #/1,000 square feet rate of Patchwork.

Timing is critical issue in achieving control of *Poa annua*. Most consistent results are achieved when Patchwork is applied prior to germination of *Poa annua*. If a later overseeding date is scheduled, the three application strategy is most effective.

Overseeding

Fine bladed perennial ryegrass or blends of ryegrass cultivars are recommended for overseeding greens and tees. To avoid seedling stress, the last application of Patchwork should be made at least 2 weeks before overseeding perennial ryegrass and the seeding rate should be a minimum of 30 pounds per 1,000 square feet. If either *Poa trivialis* or bentgrass is used for overseeding, follow the 3 application program. To avoid seedling stress when overseeding *Poa trivialis* or bentgrass, the final application of Patchwork should be made at least 30 days before overseeding.

Patchwork *Poa annua* Control Programs

Program	Number of Applications	Rate Application	Spray Interval	Application Timing	Expected Percent Control
A	2	Patchwork 6.0 #/1,000 square feet	14 days	First application prior to <i>Poa annua</i> germination	75 to 95%
B	3	Patchwork 4.0 #/1,000 square feet	14 days	First application prior to <i>Poa annua</i> germination	75 to 95%

Note: A single application of 2.0 # of Patchwork per 1,000 square feet in January or February following overseeding will help enhance the suppression of *Poa annua* and prolong this effect through the Spring season

Anticipated Results

Application of Patchwork for management of *Poa annua* will coincide with the onset of Winter dormancy in Bermudagrass. Extended periods of low temperatures and heavy rainfall after a Patchwork application may result in yellowing of Bermudagrass. This effect is attributable to developing dormancy of Bermudagrass, not to Patchwork application. Normal germination and growth of the overseeded grasses can be expected.

Applications of Patchwork in the programs recommended in this label will result in *Poa annua* control in the range of 75 to 95 percent. Results are most apparent during the following Spring season when *Poa annua* seedheads are visible and plant populations can be measured. Concurrent control to turf diseases susceptible to Patchwork at the rates applied can be expected as a part of the *Poa annua* control program.

Precaution

- A single application of Patchwork in excess of 8.0 #/1,000 square feet may inhibit the germination of creeping bentgrass for up to 30 days after application. Do not apply this treatment where creeping bentgrass is to be seeded within 30 days after application.
- During periods of environmental stress, a single high rate application of Patchwork may rapidly eliminate *Poa annua* from greens, tees or other close cut turf areas. Do not apply this treatment if rapid elimination of *Poa annua* is a potential problem.
- Refer to the Patchwork label for additional use directions, precautions and limitations

before use.

STORAGE AND DISPOSAL

STORAGE: Always store product in original container and in locked storage area. Do not contaminate other pesticides, fertilizers, seeds, water, food or feed by storage or disposal.

PRODUCT DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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 out of smoke.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. (PR933&11 042194/RV 103196)

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(REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves, and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. No re-entry restrictions for non-crop applications.

Patchwork™ is a locally systemic fungicide that provides preventive control of the Patch Diseases of Turf listed on this label. This product is a soil active fungicide that must be applied prior to the onset of disease activity in accordance with label specified timing. Since Patch Diseases in Turf are generally active in the same area they occurred previously, preventive applications of Patchwork™ to the previously affected area are necessary for control.

NOTIFICATION

Application Directions:

PATCHWORK™ GRANULE RATE RECOMMENDATIONS - TURF
(excluding Greens & Tees)

DISEASE ORGANISM	#/ACRE	#/1,000 SQUARE FEET	APPLICATION INTERVAL	SEE COMMENTS
Necrotic Ring Spot (Leptosphaeria korrae)	175 to 350	4 to 8	1 or 2 applications	1, 2.
Summer Patch (Magnaporthe poae)	175 to 350	4 to 8	1 or 2 applications	1, 2.
Fusarium Blight (Fusarium culmorum) (Fusarium poae)	175 to 350	4 to 8	1 or 2 applications	1, 2.
Take-All-Patch (Gaeumannomyces graminis var. avenac)	175 to 350	4 to 8	1 or 2 applications	2, 3.
Spring Dead Spot (Leptosphaeria korrae) (Ophiosphaerella herpotricha) (Gaeumannomyces graminis var. graminis)	175 to 262.5	4 to 6	Single application	2, 4.

PATCHWORK™ GRANULE RATE RECOMMENDATIONS - GREENS & TEES

DISEASE ORGANISM	#/ACRE	#/1,000 SQUARE FEET	APPLICATION INTERVAL	SEE COMMENTS
Necrotic Ring Spot (Leptosphaeria korrae)	175	4	Split application - 30 day intervals	2, 5.
Summer Patch (Magnaporthe poae)	175	4	Split application - 30 day intervals	2, 5.
Fusarium Blight (Fusarium culmorum) (Fusarium poae)	175	4	Split application - 30 day intervals	2, 5.
Take-All-Patch (Gaeumannomyces graminis var. avenac)	350	8	Split application - 30 day intervals	2, 6.