

2217-882

2.29.2008

4/19



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

James L. Kunstman, Ph.D.  
Director of Regulatory Services  
PBI/Gordon Corporation  
Post Office Box 014090  
Kansas City, Missouri 64101

FEB 29 2008

RE: Notification to insert an Alternate Warranty Statement for use by a Subregistrant  
EPA Registration Number: 2217-882  
Submission Dated: January 7, 2008

Dear Dr. Kunstman:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated, January 7, 2008, for the product, EH 1415 Professional. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Joyce M. Edwards".

Joyce M. Edwards  
Notifications Review Coordinator  
Registration Division



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

7/19

**Application for Pesticide - Section I**

1. Company/Product Number 2217-882	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) EH-1415 Professional	PM# Product Manager—Team 23	
5. Name and Address of Applicant (Include ZIP Code) PBI/Gordon Corporation Post Office Box 014090 Kansas City, Missouri 64101 <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> 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.

**NOTIFICATION**

**FEB 29 2008**

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

**Labeling Notification per Pesticide Registration Notice (PRN) 98-10:**

Request to insert an alternate **Warranty Statement** for use by a subregistrant. This is presented as highlighted text on page 11 of the enclosed draft label.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C Sec. 1001 to willfully make any false statement to the EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Section 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:			
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	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
* Certification 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"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name James L. Kunstman, Ph.D.	Title Director of Regulatory Services	Telephone No. (Include Area Code) 816-460-6292
2. Signature 		6. Date Application Received (Stamped)
3. Title Director of Regulatory Services		
4. Typed Name James L. Kunstman, Ph.D.		
5. Date January 7, 2008		

# EH-1415 PROFESSIONAL

Not for sale, distribution or use in Nassau or Suffolk Counties in New York State

**ACTIVE INGREDIENTS:**

2,4-D, 2-ethylhexyl ester.....	1.153%
Mecoprop-p acid.....	0.174%
Dicamba acid.....	0.073%
Sulfentrazone.....	0.034%

<b>OTHER INGREDIENTS:</b> .....	<u>98.566%</u>
<b>TOTAL</b>	<b>100.000%</b>

THIS PRODUCT CONTAINS:

- 15.30 lbs. 2,4-dichlorophenoxyacetic acid equivalent per ton or 0.765%
- 3.48 lbs. (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per ton or 0.174%
- 1.46 lbs. 3,6-dichloro-o-anisic acid equivalent per ton or 0.073%
- 0.68 lbs. N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide per ton or 0.034%

CAS Registry Numbers:

- 2,4-D CAS# 1928-43-4
- Mecoprop-p CAS# 16484-77-8
- Dicamba CAS#1918-00-9
- Sulfentrazone CAS #122836-35-5

Isomer Specific by AOAC Methods  
TRIMEC® and Surge® are registered trademarks of PBI/Gordon Corporation.

[Guaranteed Analysis and other required fertilizer-related statements may be presented on the front panel of the container label. A sample Guaranteed Analysis and related statements are presented in the Appendix of this master label.]

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

See back panel for additional Precautionary Statements and First Aid.

**NET WEIGHT: 15, 16, 17, 18, 20, 25, 30, 40, 42, or 45 POUNDS**

FL-987  
 AP010708  
 EPA Reg. No. 2217-882  
 EPA EST. NO. 9198-OH-1M  
                   9198-OH-2B  
                   9198-AL-001A

*Underlined letter is first letter used in code run on bag.*

MANUFACTURED BY:



4/19



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

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans & Domestic Animals**

**CAUTION:** Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. When using this product, wear long-sleeved shirt, long pants, socks and shoes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

First Aid	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment information.	

**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. Do not contaminate water when disposing of equipment washwater.

When cleaning equipment, do not 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 MCP-p and 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCP-p and 2,4-D 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.

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

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

**STORAGE & DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

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

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, 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:** For Paper Bags, Plastic Bags, and Nonrefillable Bulk Bags - Completely

5/19

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.

**WHERE TO USE:**

EH-1415 Professional is a [Trimec® or Surge® broadleaf herbicide] herbicide containing fertilizer, 2,4-D, mecoprop-p, dicamba and sulfentrazone. This granular weed and feed provides plant nutrients and controls a broad spectrum of broadleaf weeds in turfgrass. Supplemental nitrogen, phosphorus, and potash should be applied according to soil tests or State Extension Service recommendations.

EH-1415 Professional is intended to be applied by noncommercial users, lawn care operators, and landscape personnel. Cool season and warm season grasses established in institutional, ornamental, and residential sites may be treated.

Institutional sites are defined as turf areas around properties or facilities providing a service to public or private organizations; for example: hospitals, nursing homes, schools, museums, libraries, sport facilities (including golf courses), and office buildings may be treated. Ornamental sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, and institutional buildings. Finally, residential sites are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.

EH-1415 Professional may be applied to newly seeded cool season turfgrass. Applications are recommended only after the third mowing or after the grass seedlings have tillered and have developed an adequate secondary root system.

EH-1415 Professional may be applied to newly established warm season turfgrass. Treatments should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations, and low application rates (½ of the recommendation for established turfgrass) are suggested.

A uniform broadcast distribution of product on the treated area is essential. Do not exceed the specified application rate for any area and use care in the application of this product within the dripline of trees, shrubs, and other ornamentals. Do not apply product to bare ground. Do not use this product on dichondra, carpetgrass, creeping bentgrass, or turf containing desirable clovers.

**California:** Make broadcast applications only between March 1 and September 1. While irrigation is necessary and important for plant growth, apply irrigation water efficiently so that no more than 125% of the net irrigation requirement is applied for any irrigation event. Apply efficient irrigations for six months following application of sulfentrazone containing products.

**New York:** Only one application per year of this product is allowed. This product is not allowed to be sold or used in Nassau or Suffolk Counties.

4/19

**HOW MUCH TO APPLY:**

**For Kentucky bluegrass, fescue spp., perennial ryegrass, common bermudagrass, and zoysiagrass:**

Apply 130-174 pounds of EH-1415 Professional per acre of established turfgrass. Or, the equivalent application rates are 3.0—4.0 pounds of product per 1,000 square feet of turfgrass.

**For New York State only:**

Apply 130-166 pounds of EH-1415 Professional per acre of established turfgrass. Or, the equivalent application rates are 3.0—3.8 pounds of product per 1,000 square feet of turfgrass.

**For St. Augustinegrass, centipedegrass, hybrid bermudagrass, bentgrass, and colonial bentgrass:**

Apply 87-109 pounds of EH-1415 Professional per acre of established turfgrass. Or, the equivalent application rates are 2.0-2.5 pounds of product per 1,000 square feet of turfgrass.

The maximum application rate to turf is 1.4 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

Sequential or follow-up applications may be required for dense infestations of perennial and biennial weeds. Also, adverse environmental conditions prior or after application may reduce the effectiveness. If required, the treatment interval between the first and second applications should be approximately 30 days.

Drop spreaders, rotary spreaders, and other granular equipment should be calibrated for accurate and uniform applications of this product. Calibrate the equipment by applying the product over a measured or known area and adjust the equipment according to the recommendations of the equipment manufacturer. Refer to the rate table for the appropriate bag sizes and the area to be treated.

[Example:]

Bag Size, Lbs.	Application Rate, Lbs./1,000 Sq.Ft.	Treated Area for This Bag Size, Sq.Ft.
40	2.0	20,000
	2.5	16,000
	3.0	13,300
	3.2	12,500
	3.4	11,800
	3.6	11,100
	4.0	10,000

**APPLICATION SUGGESTIONS:**

1. Spring and fall applications are recommended for the best control. However, EH-1415 Professional can be applied any time broadleaf weeds are present and actively growing.
2. Mow the turfgrass 1 to 2 days before application.
3. Water the turfgrass thoroughly (>½ inch) at least 1 to 2 days before application.
4. Schedule applications in the morning when dew is present. Or, sprinkle or irrigate lightly (<¼ inch) before application to provide maximum control.
5. Rainfall or irrigation within 24 hours after application may reduce the effectiveness. Do not irrigate or water the turfgrass within 24 hours after application.

**CALIBRATION INSTRUCTIONS:**

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

- ◆ For 2.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 500 square feet and adjust to apply at the rate of 1 pound of product per 500 square feet.
- ◆ For 2.5 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 400 square feet and adjust to apply at the rate of 1 pound of product per 400 square feet.
- ◆ For 3.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 333 square feet and adjust to apply at the rate of 1 pound of product per 333 square feet.
- ◆ For 3.2 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 310 square feet and adjust to apply at the rate of 1 pound of product per 310 square feet.
- ◆ For 3.4 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 300 square feet and adjust to apply at the rate of 1 pound of product per 300 square feet.
- ◆ For 3.6 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 275 square feet and adjust to apply at the rate of 1 pound of product per 275 square feet.
- ◆ For 3.8 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 260 square feet and adjust to apply at the rate of 1 pound of product per 260 square feet.
- ◆ For 4.0 pounds of product per 1,000 square feet of turfgrass: Check your spreader on 250 square feet and adjust to apply at the rate of 1 pound of product per 250 square feet.

Spreader settings for 1.0 pound of product per 310 square feet	
Scotts EasyGreen® Rotary	26
Scotts Drop	5
Scotts SpeedyGreen® Rotary	3½
GreenView Drop (Spred II)	4
Central Drop (#205)	5½
Sears Drop (#19810)	4
Ortho Drop (#5000)	5
Precision Drop (Red Devil)	4

Spreader	Delivers ___ lbs. /1,000 sq. ft. ft.							
	2.0 lbs.	2.5 lbs	3.0 lbs	3.2 lbs	3.4 lbs	3.6 lbs	3.8 lbs	4.0 lbs
LESCO® Rotary calibration gauge setting #	X		X		X	X		X
Ortho® Drop (5000)	X		X		X	X		X
Ortho® Rotary (6000)	X		X		X	X		X
Precision® Red Devil® Rotary	X		X		X	X		X
Quaker® Rotary	X		X		X	X		X
Republic® EZ Drop	X		X		X	X		X
Republic® EZ Grow	X		X		X	X		X

Republic® EZ Rotary	X		X		X	X		X
Scotts® Drop (PF3)	X		X		X	X		X
Scotts® Easy Green	X		X		X	X		X
Scotts® Speedy Green	X		X		X	X		X
True Temper Rotary	X		X		X	X		X

<b>SPREADER SETTINGS</b>					
These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product. 40 lbs. treats 16,000 sq. ft. at the 109 lbs./acre – LOW RATE (2.5 lbs./1,000 sq. ft.) 40 lbs. treats 10,500 sq. ft. at the 166 lbs./acre – MEDIUM RATE (3.8 lbs./1,000 sq. ft.) 40 lbs. treats 10,000 sq. ft. at the 174 lbs./acre – HIGH RATE (4.0 lbs./1,000 sq. ft.)					
			<b>SPREADER SETTINGS</b>		
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	LOW RATE	MEDIUM RATE	HIGH RATE
Andersons AccuPro 1000	3 mph	8 feet	1 ½	J ¾	K
Andersons AccuPro 2000, SR-2000 (cone 6)	3 mph	8 feet	1 ½	J ¾	K
Scotts R-8A (cone 6)	3 mph	8 feet	I	J ¾	J ½
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm)	4.5 mph	26 feet	3 ¼ II-C	4 ½ II-C	4 ¾ II-C
Vicon (03 series)	4.5 mph	30 feet	19	24	25

**Note to Supplemental Registrants:** Select the appropriate bag size and present only the information provided for that bag size on your product labeling. Also, equipment settings of drop spreaders, rotary spreaders, and other granular applicators may be presented on the container labels.

Bag Size, Lbs.	Application Rate, Lbs./1,000 Sq.Ft.	Treated Area for This Bag Size, Sq.Ft.
15	2.0	7,500
	2.5	6,000
	3.0	5,000
	3.2	4,700
	3.4	4,400
	3.6	4,200
	4.0	3,750
16	2.0	8,000
	2.5	6,400
	3.0	5,300
	3.2	5,000
	3.4	4,700
	3.6	4,400
	4.0	4,000
17	2.0	8,500
	2.5	6,800
	3.0	5,700
	3.2	5,300
	3.4	5,000
	3.6	4,700



2/19

**Soil Moisture:** Under dry conditions grass and broadleaf weeds are less susceptible to control. Higher rates of product, up to 6 quarts per acre, should be used to achieve control.

**Wind:** Avoid application if wind velocity is high enough to cause drift of the application spray off the target site or irregular spray patterns.

#### **ADJUVANTS AND APPLICATION AIDS:**

When **PROPANIL 48 SF** is used alone (not in combination with any other postemergent rice herbicide), a low viscosity crop oil concentrate or surfactant may be used to improve wetting of foliage and increase weed control. Use of a crop oil concentrate is recommended when application is made during cool weather conditions or unstable weather conditions that may produce rain. Under adverse weather conditions, the addition of a crop oil concentrate when tank mixing **PROPANIL 48 SF** and other rice herbicides for application should be considered. Consult product labels for adjuvant recommendations. The use of a suitable crop oil concentrate or surfactant does not significantly increase injury to rice (leaftip burn.)

Consult Extension Service for detailed application advice.

#### **RECOMMENDED BROADCAST RATE**

Apply 3 quarts of **PROPANIL 48 SF** per acre when most grasses have reached the 1 to 3-leaf stage. Use 4 to 6 quarts of product per acre when the grasses are large (4 to 6-leaf stage) or when unseasonably cool weather conditions prevail, grass and broadleaf weeds are stressed due to dry conditions or in cases where rice fields have not been drained completely and where weeds are large enough.

Barnyardgrass may be controlled up to 30 to 45 days after planting, before rice plants have reached the fully tillered growth stage.

**NOTE:** **PROPANIL 48 SF** applied to the rice after the 4-leaf stage may cause visible injury under some climatic conditions. Rice plants usually outgrow such injury.

**IN CALIFORNIA:** Use **PROPANIL 48 SF** only where rice fields are completely drained or a minimal amount of water remains. If higher water level is desired, relood after 12 hours and before 7 days after treatment. This will discourage new weed infestations.

#### **SPRAY MIXTURE PREPARATION**

##### **Wet Spray Application**

Thoroughly mix **PROPANIL 48 SF** with clean water (water that is free of sediment and agricultural chemicals) in the spray tank. Do not use water from paddies. Only approved drift control agents may be used with **PROPANIL 48 SF**. Do not use any other additives except as directed by this label.

To ensure uniform mixing and application, agitate the mixture before application. If the mixture is not sprayed immediately after agitation, re-agitate it before application. Always apply **PROPANIL 48 SF** spray preparation within 24 hours of product mixing, or the product may degrade.

Do not store **PROPANIL 48 SF** in nurse tanks or any other tanks used to store or transport clean water. Install one-way valves (anti-siphoning devices) on lines and hoses of mixing/loading equipment to prevent contamination of nurse tanks or other clean water sources.

Mixing and application equipment exposed to **PROPANIL 48 SF** cannot be used for anything other than rice applications until it has been cleaned according to the procedures in the Sprayer Cleanup section of this label.

##### **Additional Mixing Instructions (wet spray)**

1. Fill the tank  $\frac{1}{4}$  to  $\frac{1}{3}$  full of clean water.
2. While agitating, add the required amount of **PROPANIL 48 SF**.
3. Continue agitation until the product is fully dispersed, at least 5 minutes.
4. Once the **PROPANIL 48 SF** is fully dispersed, maintain agitation and continue filling the tank with water. The product should be thoroughly mixed with water before adding any other material.

5. As the tank is filling, add the required tank mix partner (other labeled rice herbicides, adjuvants, drift control agents, etc.)
6. If the mixture is not continuously agitated, settling may occur. If setting occurs, thoroughly re-agitate before using.
7. Apply **PROPANIL 48 SF** spray preparations within 24 hours of product mixing, or the product may degrade.
8. If **PROPANIL 48 SF** and a tank mix partner are to be applied in multiple loads, pre-slurry the product in clean water prior to adding to the tank. This will prevent the tank mix partner from interfering with the dissolution of the **PROPANIL 48 SF**.

**SPRAYER CLEANUP**

Before using equipment exposed to **PROPANIL 48 SF** to treat another crop, clean the sprayer and any other equipment (loading hoses, batch tanks, etc.) using the following procedure:

1. Steam-clean tank using a non-chlorine-based detergent, taking care to remove all physical residues.
2. Thoroughly rinse sprayer, tanks, boom, and hoses with clean water (free of sediment and agricultural chemicals.)
3. Fill the tank one-half full with clean water and add Nutrasol at 32 oz. per 100 gal. of water. Fill the tank to capacity with clean water. Flush the nozzles, boom, and hoses, and agitate (and recirculate, if possible) the sprayer for 15 minutes. Drain the equipment, taking care to flush the boom and hoses thoroughly.
4. Rinse tanks, hoses and nozzles with clean water to remove 'Nutrasol'.
5. Fill the tank one-half full with clean water and add 1 gal. of 21% ammonia or 7 gal. of 3% ammonia per 100 gal. of water. Fill the tank to capacity with clean water. Flush the nozzles, boom, and hoses and agitate (and recirculate, if possible) the sprayer for 15 minutes. Drain the equipment, taking care to flush the boom and hoses thoroughly.
6. Remove nozzles, screens, and strainers, and clean them separately.
7. Rinse tanks, booms, and hoses with clean water.
8. Repeat steps 5 and 7 an additional 3 times.
9. Rinse tanks, booms, and hoses to remove all traces of ammonia.
10. Water rinses may be applied to rice fields. Dispose of bleach rinses at an approved waste disposal facility.

**NOTE:** When applying multiple loads of **PROPANIL 48 SF** several days in a row, the following procedure must be performed at the end of each day; partially fill the tank with fresh water, flush the boom and hoses, and allow to set overnight.

**ATTENTION:** Do not use chlorine bleach with ammonia. All traces of liquid fertilizer containing ammonia, ammonium nitrate or ammonium sulphate must be rinsed from the mixing and application equipment using water before adding chlorine bleach solution. Failure to do so will release a gas with a musty chlorine odor that can cause eye, nose, and throat and lung irritation. Do not clean equipment in an enclosed area.

Perform cleanup procedures on batch tanks and any other mixing equipment separately from aircraft hoppers. Take care to clean loading hoses and any other equipment or surfaces exposed to **PROPANIL 48 SF**.

**CONDITIONS OF SALE AND WARRANTY**

**RICECO AND SELLER OFFER THIS PRODUCT AND THE BUYER AND USER ACCEPTS THIS PRODUCT UNDER THE FOLLOWING AGREED CONDITIONS OF SALE AND WARRANTY.**

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to take into account all variables and to eliminate all risks associated with its use. Injury or damage may result because of conditions that are beyond the control of RiceCo or the Seller. RiceCo warrants only that this product conforms to the chemical description of the label and is believed to be reasonably fit for the purposes referred to in the Directions for Use when used as directed under normal conditions. **RICECO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.** To the fullest extent permitted by law, in no case shall RiceCo or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Any variation from this warranty must be in writing and signed by an authorized RiceCo representative.



4/19

**MEMPHIS, TENNESSEE 38137 USA**  
**PROPANIL 48 SF® is the registered trademark of RICECO.**

1106/1207

**Stamped + 12/11/06 notification + 12-13-06 notification + 12-31-07 notification**

12/19

Bag Size, Lbs.	Application Rate, Lbs./1,000 Sq.Ft.	Treated Area for This Bag Size, Sq.Ft.
	4.0	4,250
18	2.0	9,000
	2.5	7,200
	3.0	6,000
	3.2	5,600
	3.4	5,300
	3.6	5,000
	4.0	4,500
20	2.0	10,000
	2.5	8,000
	3.0	6700
	3.2	6400
	3.4	5800
	3.6	5700
	4.0	5000
24	2.0	12,000
	2.5	9,600
	3.0	8,000
	3.2	7,500
	3.4	7,100
	3.6	6,700
	4.0	6,000
25	2.0	12,500
	2.5	10,000
	3.0	8,300
	3.2	7,800
	3.4	7,400
	3.6	6,900
	4.0	6,250
26	2.0	13,000
	2.5	8,000
	3.0	8,700
	3.2	8,100
	3.4	7,600
	3.6	7,200
	4.0	6,500
28	2.0	14,000
	2.5	11,200
	3.0	9,300
	3.2	8,800
	3.4	8,200
	3.6	7,800
	4.0	7,000
36	2.0	18,000
	2.5	14,400
	3.0	12,000
	3.2	11,300
	3.4	10,500
	3.6	10,000
	4.0	9,000

Bag Size, Lbs.	Application Rate, Lbs./1,000 Sq.Ft.	Treated Area for This Bag Size, Sq.Ft.
37	2.0	18,500
	2.5	14,800
	3.0	12,300
	3.2	11,600
	3.4	10,900
	3.6	10,300
	4.0	9,250
39	2.0	19,500
	2.5	15,600
	3.0	13,000
	3.2	12,200
	3.4	11,500
	3.6	10,800
	4.0	9,750
40	2.0	20,000
	2.5	16,000
	3.0	13,300
	3.2	12,500
	3.4	11,800
	3.6	11,100
	4.0	10,000
42	2.0	21,000
	2.5	16,800
	3.0	14,000
	3.2	13,100
	3.4	12,400
	3.6	11,700
	4.0	10,500
45	2.0	22,500
	2.5	18,000
	3.0	15,000
	3.2	14,100
	3.4	13,200
	3.6	12,500
	4.0	11,300
50	2.0	25,000
	2.5	20,000
	3.0	16,700
	3.2	15,600
	3.4	14,700
	3.6	13,900
	4.0	12,500

**DISTRIBUTION AND SPREADER PATTERNS:**

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

**Coverage** - To determine how much you need to apply, multiply the length of your lawn by its width. This equals your total square footage. Deduct all non-lawn areas (house, gardens, etc.). One yy pound bag covers up to XXXX square feet.

14/19

**SINGLE PASS DISTRIBUTION:**

For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps.

1. For rotary spreaders, operate at intervals corresponding to the swath width. For drop spreaders, overlap the wheel tracks to ensure complete coverage.
2. First, spread the borders of the lawn. Then apply this product to the center with straight line passes
3. Walk at a steady pace to ensure even coverage. Close the spreader opening when turning to change directions or when stopping.

**State mandated fertilizer labeling requirements:**

Typically a lawn 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 \_\_\_\_ pounds of nitrogen per 1,000 square feet. Consult your local Extension office for questions regarding a fertilizer program suitable to your geographical region.

Fertilizer information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metal.htm>

**Advisory for Fertilizers Containing Iron:**

Keep this product off sidewalks, patios, driveways, etc. This fertilizer may contain iron which will stain concrete and painted surfaces. If it comes in contact with concrete surfaces, sweep off immediately before flushing with water. If concrete is wet when contact occurs, staining may be impossible to prevent. Be careful when using rotary spreaders which scatter fertilizer beyond lawn edge and onto concrete.

**Association of American Plant Food Control Officials (AAPFCO):**

• Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metal.htm>:

OR

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

Each registrant shall substitute a unique alphanumeric identifier for "xx". This statement may be used only if the licensee establishes and maintains the Internet site: there is a clearly visible, direct hyperlink to a government website; and the Internet site contains no advertising or company specific information

**[For fertilizer grade 16-0-9**

Typically a lawn 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 0.64 pounds of nitrogen per 1,000 square feet. Consult your local Extension office for questions regarding a fertilizer program suitable to your geographical region.]

**USE PRECAUTIONS:**

Do not use this product on dichondra, carpetgrass, creeping bentgrass, or turf containing desirable clovers.

Do not apply this product to newly seeded grasses until well-established or after the third mowing.

Do not use this product on flowers, vegetables, groundcovers, gardens or landscape plantings including shrubs and trees. Do not exceed specified dosage for any area.

Do not use this product on 'Floritam' St. Augustinegrass.

5/19

**WEEDS CONTROLLED:**

Dandelion, chickweed, plantain, and clover are controlled effectively with EH-1415 Professional. A partial list of susceptible weeds is shown below.

<b>- BROADLEAF WEEDS -</b>			
Annual yellow sweetclover	Cinquefoil	Mexicanweed	Spanishneedles
Aster	Clover, crimson	Milk vetch	Speedwell
Austrian fieldcress	Clover, hop	Mouseear hawkweed	Spiny amaranth
Bedstraw	Clover, red	Mugwort	Spiny sowthistle
Beggarticks	Clover, strawberry	Narrowleaf plantain	Spotted catsear
Betony, Florida	Clover, sweet	Nettle	Spurred spurge
Bird vetch	Clover, white	Orange hawkweed	Spurweed
Bitter wintercress	Cockle	Oxalis	Strawberry, India mock
Bittercress, hairy	Creeping jenny	Parsley-piert	Tall nettle
Bitterweed	Cudweed	Parsnip	Tansy ragwort
Black-eyed Susan	Curly dock	Pearlwort	Tansy mustard
Black medic	Daisy, English	Pepperweed	Thistle
Blackseed plantain	Daisy fleabane	Pigweed	Trailing crownvetch
Blessed thistle	Daisy, oxeeye	Pineywoods bedstraw	Tumble mustard
Bloodflower milkweed	Dandelion	Plains coreopsis	Tumble pigweed
Blue lettuce	Dichondra	Plantain	Venice mallow
Blue vervain	Dollarweed	Poison ivy	Virginia buttonweed
Bracted plantain	False dandelion	Poison oak	Virginia pepperweed
Bristly oxtongue	Falseflax	Poorjoe	Wavyleaf bullthistle
Broadleaf dock	False sunflower	Prairie sunflower	Western clematis
Broadleaf plantain	Florida pusley	Prostrate knotweed	Wild aster
Buckhorn plantain	Galinsoga	Prostrate pigweed	Wild carrot
Bulbous buttercup	Goldenrod	Prostrate spurge	Wild four-o'clock
Bull thistle	Ground ivy	Puncturevine	Wild garlic
Bullnettle	Gumweed	Purslane, common	Wild geranium
Burclover	Hairy fleabane	Ragweed	Wild lettuce
Burdock	Hawkweed	Red sorrel	Wild marigold
Burning nettle	Healall	Redroot pigweed	Wild onion
Burweed	Heartleaf drymary	Redstem filaree	Wild rape
Buttercup	Heath aster	Rough cinquefoil	Wild strawberry
Buttonweed	Henbit	Russian pigweed	Wild vetch
Canada thistle	Hoary cress	Scarlet pimpernel	Woodsorrel
Carolina geranium	Hoary plantain	Sheep sorrel	Woolly croton
Carpetweed	Hoary vervain	Shepherdspurge	Woolly plantain
Catchweed bedstraw	Knawel	Slender plantain	Wormseed
Catnip	Knotweed	Smallflower galinsoga	Yarrow
Catsear	Lambsquarters	Smooth dock	Yellow rocket
Chickweed, common	Lespedeza	Smooth pigweed	Yellowflower pepperweed
Chickweed, mouseear	Mallow	Sorrel	and other broadleaf weeds
Chicory	Matchweed	Sowthistle	

**LIMITED WARRANTY AND DISCLAIMER.**

**IMPORTANT:** Read this Limited Warranty and Disclaimer before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this Limited Warranty and Disclaimer in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner of use or application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS.** Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the directions for use, subject to the inherent risks described below. **THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED.**

**THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

**[Alternate Warranty Statement:]**

**WARRANTY DISCLAIMER and LIMITATION of LIABILITY:**

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes **NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** To the extent consistent with applicable law, it is Manufacturer's intent to **LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES** to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer **DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS.** Use contrary to label directions is not permitted.



17/19

**APPENDIX**

**I. Guaranteed Analysis:**

<b>GUARANTEED ANALYSIS XX-X-X</b>	
Total Nitrogen (N) .....	XX%
x.x% ammoniacal nitrogen	
x.x% urea nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	X%
Soluble Potash (K <sub>2</sub> O) .....	X%
Sulfur (S) .....	X%
x.x% free sulfur (S)	
Derived from: polymer-coated sulfur-coated urea, urea, ammonium phosphate, potassium chloride.	
*A portion of the urea has been coated to provide x.x% coated slow-release nitrogen.	
This product and/or its manufacture is covered by one or more of the following U.S. patents and international counterparts thereof: US Patent Numbers: xxxxxx	

<b>GUARANTEED ANALYSIS 16-0-9</b>	
Total Nitrogen (N) .....	16.00%
16.00% urea nitrogen*	
Soluble Potash (K <sub>2</sub> O) .....	9.00%
Sulfur (S) .....	1.62%
1.62% free sulfur (S)	
Plant nutrients derived from urea, potassium chloride and polymer coated sulfur coated urea.	
Chlorine (Cl) Max.....	
7.60%	
*4.00 % slowly available nitrogen from polymer coated sulfur coated urea.	<b>FL987</b>

Note: Fertilizer grades with nutrient contents expressed as the percentages of N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O may include the following: 23-3-7 or x-x-x. The fertilizer grade analyses may contain macronutrients and micronutrients. The nutrient contents expressed will vary among states, and the analyses will differ between supplemental registrations.

**II. State mandated fertilizer labeling requirements:**

**Association of American Plant Food Control Officials (AAPFCO):**

- Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm> .
- or
- Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-xx.com>

Each registrant shall substitute a unique alphanumeric identifier for "xx". This statement may be used only if the licensee establishes and maintains the Internet site: there is a clearly visible, direct hyperlink to a government website; and the Internet site contains no advertising or company specific information

**States:**

- Typically a lawn 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 \_\_\_ pounds of nitrogen per 1,000 square feet. Consult your local Extension office for questions regarding a fertilizer program suitable to your geographical region.
- **For fertilizer grade 16-0-9:** Typically a lawn 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 0.64 pounds of nitrogen per 1,000 square feet. Consult your local Extension office for questions regarding a fertilizer program suitable to your geographical region.

**III. Fertilizer Grades:**

Fertilizer grades with nutrient contents expressed as the percentages of N, P<sub>2</sub>O<sub>5</sub>, and K<sub>2</sub>O include the following:

16-0-9	22-4-11	26-4-4	30-4-4
19-6-8	23-3-7	26-4-6	32-3-3
22-3-3	25-3-3	28-0-3	32-4-8
22-3-6	25-4-8	29-3-4	24-4-8
22-3-17	26-3-6	30-3-3	

**IV. Advertising claims which may be presented on the container label, advertisements and/or promotional brochures for subregistered products.**

- This product is a premium grade herbicide & plant nutrient combination which controls a wide spectrum of broadleaf weeds while providing both fast and long lasting feeding action.
- Combination of 4 active ingredients enhances speed of herbicide activity.
- Superior cool season performance.
- Controls tough broadleaf weeds.