

66330-267

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

March 20, 2009

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Bill Washburn
Regulatory Manager
Arysta LifeScience North America LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

RE: Product Name: PGR-IV
EPA Reg. No: 66330-267
Your Label Notification dated February 3, 2009, to Update Container Disposal,
Company's Information, Emergency Telephone Numbers and Warranty per
PR Notices 98-10 and 2007-4

Dear Mr. Washburn:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticides Registration Notice (PRN) 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the action(s) requested falls within the scope of PRN 98-10. Our records have been duly noted, and the letter submitted with this application has been stamped "Notification, received and reviewed" and will be placed accordingly in our records.

Questions concerning this action should be directed to Ms. Diana Hudson at (703) 308-8713 or email at HUDSON.DIANA@EPA.GOV.

Sincerely,

Sheryl K. Reilly

Sheryl K. Reilly, Ph.D., Chief
Microbial Pesticides Branch
Biopesticides and Pollution Prevention
Division (7511P)

 EPA	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other:	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 66330-267	2. EPA Product Manager PATRICIA MOE	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) PGR-IV®	PM#	
5. Name and Address of Applicant (Include ZIP Code) Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513 <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. _____ Date Reviewed: 3/20/09 Product Name _____ Reviewed By: D. Hudson	

Section - II

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application <input type="checkbox"/> Other - Explain below
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Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

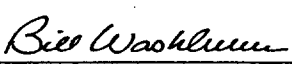
Notification of label change per PR Notice 2007-4. This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Notification of label change per PR Notice 98-10. 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 the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to 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 may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

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		<input type="checkbox"/> Metal <input checked="" 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 checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1.0 gal., 2.5 gal, 5.0 gal		5. Location of Label Directions <input checked="" 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 checked="" 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 Bill Washburn	Title Regulatory Manager	Telephone No. (Include Area Code) 901-432-5118
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.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Manager	
4. Typed Name Bill Washburn	5. Date 02/03/09	



February 3, 2009

Ms. Patricia Moe
Document Processing Desk (NOTIF)
Office of Pesticide Programs – 7504P
U.S. Environmental Protection Agency
One Potomac Yard, Room S-4900
2777 South Crystal Drive
Arlington, VA 22202

**Subject: PGR-IV®
EPA Reg. No. 66330-267**

**Notification of Label Change per PR Notice 2007-4
and PR Notice 98-10**

Dear Ms. Moe:

Please find the following enclosed:

- Application for Pesticide Registration (Other) dated 02/03/09.
- One highlighted copy of subject label, showing all changes.
- One clean copy of the subject label.

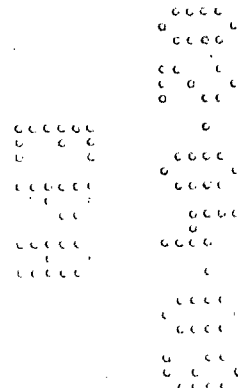
Notification of label change per PR Notice 2007-4. This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Also in this submission, we are using PR Notice 98-10 to update the name of the company, emergency telephone numbers and warranty. Arysta LifeScience North America Corporation was changed to Arysta LifeScience North America, LLC.

Should you have any questions or comments, please do not hesitate to contact me at 901-432-5118 or by e-mail at bill.washburn@arystalifescience.com

Sincerely,

Bill Washburn
Regulatory Manager



NOTIFICATION

Date Reviewed: 3/20/09

Reviewed By: D. Hudson

PR NOTICE 2007-4

PGR-IV®

ACTIVE INGREDIENTS

**Indolebutyric acid	0.0028%
**Gibberellic acid	0.0030%
Other Ingredients	<u>99.9942%</u>
TOTAL	100.0000%

Contains 0.8 mg indolebutyric acid/fl oz
Contains 0.9 mg gibberellic acid/fl oz

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

EMERGENCY TELEPHONE NUMBERS: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952

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See additional precautionary statements elsewhere on label

EPA Reg. No. 66330-267
AD072602

EPA Est. No. 51036-GA-1
Net Contents: 1 gallon

Manufactured For:
ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

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

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Waterproof gloves
3. Shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. 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 by cleaning of equipment or disposal of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Protect from freezing. Store out of direct sunlight.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

EXCEPTION: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

1. Coveralls over long-sleeved shirt and long pants
2. Waterproof gloves
3. Shoes plus socks

STORAGE AND DISPOSAL

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

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

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10

seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or puncture and dispose in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

FOR CHEMICAL EMERGENCY: Spill, leak, fire exposure, or accident call CHEMTREC 1-800-424-9300

GENERAL CHEMIGATION INSTRUCTIONS

Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline

must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreased to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with the pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

The pesticide supply tank should be agitated throughout the application of PGR IV. PGR IV should be applied at the end of the water application.

PGR IV should be applied in sufficient water to provide thorough and even coverage without producing excessive runoff.

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure

switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

DIRECTIONS FOR APPLICATION

When a range of rates is given, use the high rate when growing crops in highly organic soil.

PGR-IV may be applied by ground or air. Product should be mixed with enough water volume to provide even and equal distribution. (Check with your product representative).

APPLICATIONS DURING WATER DEFICIT STRESS ARE NOT BENEFICIAL.

FIELD CROPS

University trials and on farm results have shown the use of PGR IV can result in increased root mass, earlier fruit initiation, increased fruit retention, increased nutrient utilization, and higher yields.

COTTON CROP INFORMATION

PGR IV has a versatile range of use options on cotton. The maximum benefits of PGR IV are obtained by using an early planned program.

COTTON:

OPTION A -

- Step 1 - Apply 1 - 2 fl. oz./acre in seed furrow
- Step 2 - Apply 4 fl. oz./acre at pinhead square
- Step 3 - Apply 4 - 8 fl. oz./acre during active bloom period.

OPTION B -

- Step 1 - Apply 1 - 2 fl. oz./acre on a 10" - 12" band at the 2-5 leaf stage.
- Step 2 - Apply 4 fl. oz./acre at pinhead square.
- Step 3 - Apply 4 - 8 fl. oz./acre during active bloom period.

OPTION C -

- Step 1 - Apply 4 fl. oz./acre at pinhead square
- Step 2 - Apply 4 - 8 fl. oz./acre during active bloom period.

OPTION D - For fields with a history of rank growth.
Step 1 - Apply 1 - 2 fl. oz./acre in-furrow or 2 fl. oz./acre in a band at first true leaf.

NOTE: In furrow application is preferred option.

- Step 2 - Apply 2 fl. oz./acre at the 2-7 leaf stage.
- Step 3 - Apply 4 fl. oz./acre at pinhead square.
- Step 4 - Apply 4 - 8 fl. oz./acre during active bloom period.*

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*Evaluate crop 1 to 2 weeks later for application of a growth retardant.

FIELD CORN:

OPTION A - Broadcast 8 fl. oz./acre preemergence (can be mixed with your herbicide).

OPTION B -

STEP 1 - Apply 2 fl. oz./acre in seed furrow at planting

STEP 2 - Band (16") 4 fl. oz./acre (set nozzles to assure even distribution) at 5 to 8 leaf stage.

MILO:

OPTION A - Broadcast 8 fl. oz./acre at 4 to 5 leaf stage.

OPTION B -

STEP 1 - Apply 2 fl. oz./acre in seed furrow at planting

STEP 2 - Band (16") 3 to 4 fl. oz./acre (set nozzles to assure even coverage) at 5 to 7 leaf stage.

SOYBEANS:

Split Application:

STEP 1 - Apply 4 fl. oz./acre broadcast preplant incorporated with herbicide.

STEP 2 - Apply second application 4 fl. oz./acre at early bloom.

WINTER WHEAT, OATS, BARLEY, RYE:

Use options:

If wheat is to be winter grazed: Apply 8 fl. oz./acre within two weeks postemergence.

If not grazed:

STEP 1 - Apply 4 fl. oz./acre within two weeks post emergence.

STEP 2 - Boost with 4 fl. oz./acre at early tillering.

PEANUTS:

OPTION A -

Step 1 - Apply 1 fl. oz./acre in-furrow

Step 2 - Apply 6 fl. oz./acre of PGR IV at initial pegging.

OPTION B -

Step 1 - Apply 4 fl. oz./acre at 15 days after emergence.

Step 2 - Apply 4 fl. oz./acre at 30 days after emergence.

Step 3 - Apply 4 fl. oz./acre at initial pegging.

NOTE: Tank mixes with 2,4-D-B or other hormone type herbicides may result in unwanted additional herbicidal activity.

RICE:**OPTION A -**

Step 1 - Apply 6 fl. oz./acre at 3 to 5 leaf stage.

OPTION B -

Step 1 - Apply 4 fl. oz./acre at 3 to 5 leaf stage.

Step 2 - Apply 4 fl. oz./acre at panicle initiation.

VEGETABLE CROPS*****PEPPERS: BELL, JALAPENO, SERRANO, etc.**

STEP 1 - Band 2 fl. oz./acre 2 weeks post transplant.

STEP 2 - Broadcast 2 fl. oz./acre at early bloom.

STEP 3 - Broadcast 1 to 2 fl. oz./acre at 21 day intervals.

BEANS: GREEN, LIMA, PINTO, BLACK EYE, MUNG, ETC.

Spray 6 fl. oz./acre at first bloom (broadcast).

*****CABBAGE/BROCCOLI/CAULIFLOWER/BRUSSEL SPROUTS**

STEP 1 - Band (14") 1 to 2 fl. oz./acre 2 weeks post transplant.

STEP 2 - Boost (14" band) 1 to 2 fl. oz./acre 4 weeks post transplant.

CUCUMBERS/SQUASH

STEP 1 - Spray 3 fl. oz./acre at 2 to 4 leaf stage - broadcast.

STEP 2 - Boost with 3 fl. oz./acre at early bloom - broadcast.

STEP 3 - Boost again with 2 fl. oz./acre at 14 to 21 day intervals - broadcast.

LETTUCE/SPINACH/TURNIP/MUSTARD GREENS

Spray 2 fl. oz./acre in furrow - OR - in 14" band over the top at the three leaf stage.

Spinach and greens - boost with 2 fl. oz./acre after each cutting.

SWEET CORN

Two programs have produced good results: 8 fl. oz./acre in combination with herbicide - preemergence OR

STEP 1 - 2 fl. oz./acre in furrow at planting

STEP 2 - 4 fl. oz./acre band at 5 to 7 leaf stage (12" to 16").

*****TOMATOES: Machine Harvested**

STEP 1 - Spray 2 fl. oz./acre (14" band) 3 weeks post transplant.

STEP 2 - Spray 6 fl. oz./acre (broadcast) at early bloom.

*****TOMATOES: Hand Picked**

STEP 1 - Spray 2 fl. oz./acre (14" band) 3 weeks post transplant.

STEP 2 - Broadcast 2 fl. oz./acre 3 weeks later.