

264-813

08-05-2009

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

S854336  
332/1300

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

AUG 5 2009

Mr. Larry R. Hodges  
Registration Manager - Insecticides  
Bayer CropScience LP  
2 T.W. Alexander Drive  
Research Triangle Park, NC 27709

Subject: AZTEC® 2.1% GRANULAR INSECTICIDE  
EPA Reg. No. 264-813  
Notification Application Dated June 30, 2009.

Dear Mr. Hodges:

The Agency has received your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4, dated June 30, 2009, for the product Aztec® 2.1% Granular Insecticide, EPA Reg. No. 264-813. The Registration Division (RD) has reviewed this request and finds that the action requested falls within the scope of PR Notice 2007-4. 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 703-305-6406.

Sincerely,

William W. Jacobs  
Insecticide-Rodenticide Branch  
Registration Division (7505P)  
Office of Pesticide Programs



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

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 264-813	2. EPA Product Manager NOTIF	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Aztec 2.1% Granular Insecticide	PM# 01	
5. Name and Address of Applicant (Include ZIP Code) Bayer CropScience LP 2 T. W. Alexander Drive Research Triangle Park, NC 27709 <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: <b>NOTIFICATION</b> EPA Reg. No. _____ Product Name <b>AUG 05 2009</b>	

**Section - II**

Amendment - Explain below.  Final printed labels in response to Agency letter dated \_\_\_\_\_  
 Resubmission in response to Agency letter dated \_\_\_\_\_  "Me Too" Application.  
 Notification - Explain below.  Other - Explain below.

**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 the 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 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label 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."

**Section - III**

1. Material This Product Will Be Packaged In:

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	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" 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  
 Label  Container

4. Size(s) Retail Container  
50 lb bag

5. Location of Label Directions

6. Manner in Which Label is Affixed to Product  
 Lithograph Paper glued  
 Stenciled  Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Larry R. Hodges	Title Registration Manager - Insecticides	Telephone No. (Include Area Code) 919-549-2870
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**Certification**  
 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.

2. Signature 	3. Title Registration Manager - Insecticides	6. Date Application Received (Stamped)
4. Typed Name Larry R. Hodges	5. Date June 30, 2009	

# RESTRICTED USE PESTICIDE

Due to Toxicity to Aquatic Invertebrates

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

## Aztec® 2.1% Granular Insecticide

For control of corn rootworms, cutworms and other soil insect pests in corn.

### ACTIVE INGREDIENTS:

O-[2-(1,1-Dimethylethyl)-5-pyrimidinyl]-O-ethyl O-(1-methylethyl) phosphorothioate ..... 2.0%

Cyfluthrin,  
 Cyano(4-fluoro-3-phenoxyphenyl)-methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate ..... 0.1%

INERT INGREDIENTS: ..... 97.9%

100.0%

EPA Reg. No. 264-813

EPA Est. No. 3125-MO-1

**STOP - Read the label before use**  
**Keep out of reach of children**  
**WARNING AVISO**

**NOTIFICATION**

**AUG 05 2009**

PRECAUCION AL USUARIO: Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
 (TO THE USER: If you do not understand the label, find someone to explain it to you in detail.)

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577  
 For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

### FIRST AID

Contains an organophosphate that inhibits cholinesterase

If swallowed	<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 a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

In case of emergency call toll free the Bayer Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

**Note To Physician: ANTIDOTE:** Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 24-48 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or dust. Avoid contact with skin, eyes or clothing.

**Personal Protective Equipment (PPE).**

Some materials that are chemical-resistant to this product are any water proof materials. For more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**Loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as or made out of any waterproof material
- Shoes plus socks

**Loaders must wear the following additional PPE:**

- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

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

**Engineering controls statements:**

- When applicators use enclosed cabs 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.

### USER SAFETY RECOMMENDATIONS

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Keep out of the reach of children.

### ENVIRONMENTAL HAZARDS

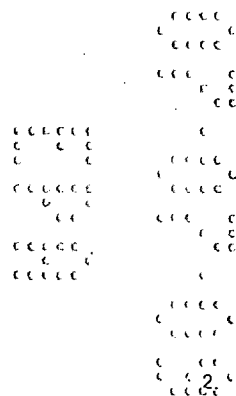
This pesticide is toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

When used on erodible soils, best management practices for minimizing runoff should be employed. Consult your local Soil Conservation Service for recommendations in your use area. For applications made within 20 yards of water (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply as an in-furrow application only.

### DIRECTIONS FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

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.





RECOMMENDED APPLICATIONS		
CROP	PEST	DOSAGE
<b>FIELD CROPS</b> Field Corn Sweet Corn Popcorn Corn grown for seed or silage	Corn rootworm larvae (Northern, Western, Southern, Mexican) Cutworms Wireworms Seedcorn maggot. Seedcorn beetle White grubs	6.7 Ounces Per 1000 Feet of Row

**REMARKS: BAND** - Apply specified dosage at planting as a 7-inch band over the row behind the press wheel. Granules must be incorporated into the top one inch of soil using tines, chains, or other suitable equipment.

**T-BAND** - Apply specified dosage at planting as a T-Band over the row behind the planter shoe and in front of the press wheel. Incorporation into the soil surface may also be accomplished with a drag chain or other suitable equipment.

**IN-FURROW** - Apply specified dosage at planting directly into the seed furrow behind the planter shoe and in front of the press wheel.

A maximum of 7.3 pounds Aztec® 2.1% Granular Insecticide may be applied per acre per crop season.

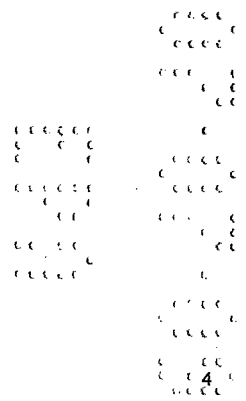
Row Spacing (inches)	Pounds per Acre
30	7.3
32	6.9
34	6.5
36	6.1
38	5.8
40	5.5

**OPTIMUM CONTROL** - Optimum control of cutworm is achieved when Aztec® 2.1% Granular Insecticide is applied as a Band or T-Band. Optimum control of wireworms, seedcorn maggot, seedcorn beetle and white grubs is achieved when Aztec® 2.1% Granular Insecticide is applied as a T-Band or In-Furrow.

For no-till corn where runoff drains into adjacent or neighboring aquatic sites (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply Aztec® 2.1% Granular Insecticide as an in-furrow or T-band application only.

For applications made within 20 yards of aquatic sites (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply as an in-furrow application only.

Cover or incorporate spills (including end row spillage).



EQUIPMENT CALIBRATION					
Application equipment should be accurately calibrated prior to application of Aztec® 2.1% Granular. The settings suggested below should be used as starting points to calibrate for 6.7 oz per 1000 row ft. Check and monitor the flow based on the length of row and acreage and adjust settings as necessary for proper calibration.					
APPLICATION EQUIPMENT	SPEED IN MPH				
	4	5	6	7	8
John Deere Max-Emerge 2 (Models 7200 - 7300)	20	25	26	33	38
John Deere Max-Emerge (Models 7000 and 7100) (Odd Notches 5-15-25-35)	12	13	15	17	19
John Deere Max-Emerge (Models 7000 and 7100) (Even Notches 10-20-30-40)	16	19	23	26	29
John Deere 71 Flex Planter (With 3 Range Settings and Dial)	1/31	2/6	2/10	2/14	2/16
John Deere Max-Emerge Plus	19	23	27	33	38
Gandy	21	23	24	27	29
Kinze (old)	11	12	14	16	18
Kinze (new)	16	20	24	28	32
International Harvester (Old)	2/8	2/9	3/1	3/8	3/9
International Harvester (New)	1/6	1/8	2/1	2/4	3/1
White (Series 6100) (Odd Notches 5-15-25-35)	14	16	17	18	20
White (Series 5100)	8	12	14	16	19
Allis Chalmers (78 - 79 Series)	2/8	2/9	3/1	3/8	3/9
Allis Chalmers (385 Series)	10	12	14	16	18
Buffalo (10-20-30-40)	10	12	15	17	19
Buffalo (Fluted Rolled)	All Speeds 5-1/4 Revolution Hexagon Nut				
Nobel - New(Rectangular Opening)	9	11	13	15	17
Nobel - Old (Round Opening)	13	16	19	22	24

