

264-812

08-04-2009

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

AUG 4 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% G INSECTICIDE  
EPA Reg. No. 264-812  
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% G Insecticide, EPA Reg. No. 264-812. 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,

A handwritten signature in black ink that reads "William W. Jacobs".

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

2/30



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

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

|   |  |  |
|---|--|--|
| 1. Company/Product Number<br>264-812  | 2. EPA Product Manager<br>NOTIF  | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Aztec 2.1% G Insecticide   | PM# <i>d</i>   |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Bayer CropScience LP<br>2 T. W. Alexander Drive<br>Research Triangle Park, NC 27709<br><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:<br>EPA Reg. No. _____<br>Product Name <b>NOTIFICATION</b><br><b>AUG 04 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<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | 2. Type of Container<br><input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input checked="" type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><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<br>Larry R. Hodges | Title<br>Registration Manager - Insecticides | Telephone No. (Include Area Code)<br>919-549-2870 |
|-------------------------|--|---|

**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.

6. Date Application Received (Stamped)  
 AUG 04 2009

|  |   |
|--|---|
| 2. Signature<br><i>Larry R. Hodges</i> | 3. Title<br>Registration Manager - Insecticides |
| 4. Typed Name<br>Larry R. Hodges       | 5. Date<br>June 30, 2009                        |

AUG 04 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% G 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. 264-812

EPA Est. No. 3125-MO-1

**STOP - READ THE LABEL BEFORE USE  
 KEEP OUT OF REACH OF CHILDREN  
 WARNING AVISO**

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

|   |  |
|---|--|
| <p><b>If swallowed</b></p>  | <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> |
| <p><b>If in eyes</b></p>  | <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>  |
| <p><b>If on skin or clothing</b></p>  | <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>   |
| <p><b>If inhaled</b></p>  | <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>  |
| <p><b>In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577.<br/>                 Have a product container or label with you when calling a poison control center or doctor, or going for treatment.</b></p>  |  |
| <p><b>Note To Physician: ANTIDOTE:</b> 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.</p> |  |



**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, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, 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 48 hours. The REI is 72 hours where average rainfall is less than 25 inches per year.

**Exception:** If the product is soil injected or soil incorporated, the Worker Protection Standard under certain circumstances, allows workers to enter the treated area without restrictions 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:

- Coveralls over long-sleeved shirt and long pants,
- Chemical resistant gloves such as or made out of any waterproof material,
- Chemical resistant footwear plus socks,
- Protective eye wear

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

**STORAGE AND DISPOSAL**

**Product Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**Handling and Spillage:** Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Do not walk through spilled material. In spill or leak incidents, keep unauthorized people away. Dispose of pesticide as directed in the Pesticide Disposal section. Refer to Precautionary Statements on label for hazards associated with the handling of this material. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response Telephone No. is 1-800-334-7577.

**Pesticide Disposal:** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

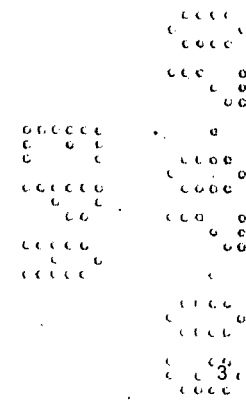
**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For use only in the states of: Arkansas, Colorado, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Utah, Vermont, West Virginia, Wisconsin, and Wyoming.

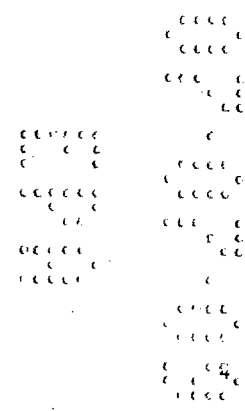
Do not use on other crops grown for food or forage.

Corn may be replanted anytime after application of Aztec® 2.1% G Insecticide. All other crops may be planted 30 days after application.

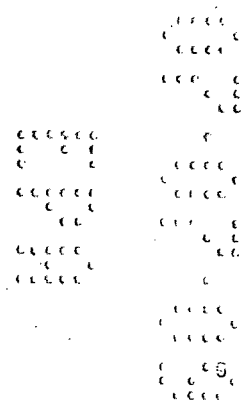
Aztec® 2.1% G Insecticide is not systemic and will not interact with corn herbicides. It will not affect seed germination and crop emergence when applied in-furrow.



| RECOMMENDED APPLICATIONS  |  |                                 |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |
|---|--|---------------------------------|----------------------|-----------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| CROP  | PEST   | DOSAGE                          |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |
| <b>FIELD CROPS</b><br>Field Corn<br>Sweet Corn<br>Popcorn<br>Corn grown for seed or silage  | Corn rootworm larvae<br>(Northern, Western, Southern, Mexican)<br>Cutworms<br>Wireworms<br>Seedcorn maggot<br>Seedcorn beetle<br>White grubs | 6.7 Ounces Per 1000 Feet of Row |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |
| <p><b>REMARKS: BAND</b> - 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.</p> <p><b>T-BAND</b> - 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.</p> <p><b>IN-FURROW</b> - Apply specified dosage at planting directly into the seed furrow behind the planter shoe and in front of the press wheel.</p> <p>A maximum of 7.3 pounds Aztec® 2.1% G Insecticide may be applied per acre per crop season.</p> <table border="1"> <thead> <tr> <th>Row Spacing (inches)</th> <th>Pounds per Acre</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>7.3</td> </tr> <tr> <td>32</td> <td>6.9</td> </tr> <tr> <td>34</td> <td>6.5</td> </tr> <tr> <td>36</td> <td>6.1</td> </tr> <tr> <td>38</td> <td>5.8</td> </tr> <tr> <td>40</td> <td>5.5</td> </tr> </tbody> </table> <p><b>OPTIMUM CONTROL</b> - Optimum control of cutworm is achieved when Aztec® 2.1% G 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% G Insecticide is applied as a T-Band or In-Furrow.</p> <p>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% G Insecticide as an in-furrow or T-band application only.</p> <p>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.</p> <p>Cover or incorporate spills (including end row spillage).</p> |  |                                 | Row Spacing (inches) | Pounds per Acre | 30 | 7.3 | 32 | 6.9 | 34 | 6.5 | 36 | 6.1 | 38 | 5.8 | 40 | 5.5 |
| Row Spacing (inches)  | Pounds per Acre  |                                 |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |
| 30  | 7.3  |                                 |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |
| 32  | 6.9  |                                 |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |
| 34  | 6.5  |                                 |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |
| 36  | 6.1  |                                 |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |
| 38  | 5.8  |                                 |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |
| 40  | 5.5  |                                 |                      |                 |    |     |    |     |    |     |    |     |    |     |    |     |



| <b>EQUIPMENT CALIBRATION</b>  |   |     |      |      |      |
|---|---|-----|------|------|------|
| Application equipment should be accurately calibrated prior to application of Aztec® 2.1% G Insecticide. 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<br>(Models 7200 - 7300)   | 20                                      | 25  | 26   | 33   | 38   |
| John Deere Max-Emerge<br>(Models 7000 and 7100)<br>(Odd Notches 5-15-25-35)   | 12                                      | 13  | 15   | 17   | 19   |
| John Deere Max-Emerge<br>(Models 7000 and 7100)<br>(Even Notches 10-20-30-40)   | 16                                      | 19  | 23   | 26   | 29   |
| John Deere 71 Flex Planter<br>(With 3 Range Settings and<br>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)<br>(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<br>(Rectangular Opening)  | 9                                       | 11  | 13   | 15   | 17   |
| Nobel - Old (Round Opening)   | 13                                      | 16  | 19   | 22   | 24   |



8

**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

**NET WEIGHT: 50 POUNDS**



**Bayer CropScience**

Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
1-866-99BAYER (1-866-992-2937)

Aztec 2.1% G Insecticide (MASTER) Approved 10/16/03, Notification 06/30/09

