

29964-12

08/30/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D C 20460



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

AUG 30 2012

Mr Jamie Staley  
U S Registration Manager  
Pioneer Hi-Bred International, Inc  
7100 N W 62<sup>nd</sup> Avenue  
P O Box 1000  
Johnston, IA 50131-1000

**SUBJECT** April 13, 2012 Request to Amend the Expiration Date for Optimum® Acremax®  
Insect Protection  
EPA Reg No 29964-12

Dear Mr Staley

The amendment referred to above, submitted in connection with registration under Section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable subject to the following comments

- 1) The subject registration will automatically expire on midnight September 30, 2014
- 2) Condition 8 a) Refuge Requirements for OAM is modified by changing the cotton growing in-field strip requirement to "When planting the refuge in strips across the field, refuges must be at least four (4) rows wide"

Please note if the change to refuge requirements required by 2) is not made, the registration will be subject to cancellation in accordance with FIFRA section 6(e) A stamped copy of the label is enclosed for your records

Sincerely,

Kimberly Nesci, Acting Chief  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)

Enclosure

Handwritten notes: 8/30/12, 8/30/12, 711P, 711P

**Optimum® AcreMax® Insect Protection**  
(OECD Unique Identifier DAS-Ø15Ø7-1xMON ØØ81Ø 6)

**Active Ingredients**

*Bacillus thuringiensis* var *aizawai* Cry1F protein and the genetic material (PHI8999) necessary for its production in corn event DAS Ø15Ø7 1 <0 00056%\*

*Bacillus thuringiensis* subsp *kurstaki* Cry1Ab protein and the genetic material (PV ZMBK07) necessary for its production in corn event MON ØØ81Ø 6 <0 0014%\*

**Inert Ingredient**

Phosphinothricin acetyltransferase (PAT) marker protein and the genetic material necessary for its production in corn <0 0004\*

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\* Percentage (wt/wt) on a dry wt basis as expressed in whole plant tissue of 1507xMON810 plants

**CAUTION**

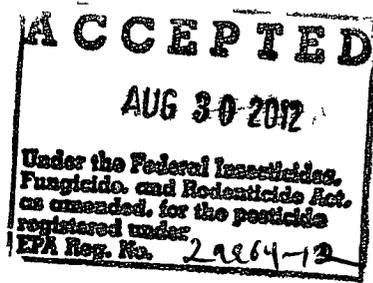
**KEEP OUT OF REACH OF CHILDREN**

NET CONTENTS \_\_\_\_\_

EPA REGISTRATION NUMBER 29964 12

EPA ESTABLISHMENT NUMBER 029964 IA 001

Pioneer Hi Bred International Inc  
7300 NW 62 Avenue  
Johnston IA 50131



## DIRECTIONS FOR USE

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

The plant incorporated protectant must be used as specified in the terms and conditions of the registration

Optimum® AcreMax™ Insect Protection consists of 95% 1507xMON810 maize and 5% non Bt seed blended together in a bag of seed. This product controls above ground Lepidopteran pests of maize and the blended non Bt plants provide refuge for the Lepidopteran pests

## INSECT RESISTANCE MANAGEMENT

Growers are instructed to read information on insect resistance management

The following information regarding commercial production must be included in the grower guides for cotton and non cotton growing areas

Corn seed bags or bag tags for products containing Optimum® AcreMax™ must include the refuge size requirement in text and graphical format

### Corn-Belt/Non-Cotton Growing Areas

Optimum® AcreMax™ Xtra Insect Protection contains a Lepidopteran refuge that is in the bag and is automatically implemented when the grower plants the product. No additional refuge is required when planting this product

Foliar insecticide treatments for control of European corn borer, corn earworm, southwestern corn borer, fall armyworm, black cutworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer may be applied only if economic thresholds are reached for one or more of these target pests. Foliar insecticide treatments are also permitted for control of corn rootworm adults if economic thresholds are reached. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g. Extension Service agents, crop consultants)

### Cotton-Growing Region Refuge Requirements

In cotton growing regions where corn earworm is a significant pest

- The 20% refuge must be planted with non *Bt* corn hybrids
- Optimum® AcreMax™ and the 20% non *Bt* refuge should be sown on the same day or with the shortest window possible between planting dates
- External refuges may be planted as an in field or adjacent (e.g. across the road) refuge or as a separate block within 1/2 mile of the Optimum® AcreMax™ corn field
- In field refuge options include blocks, perimeter strips (i.e. along the edges or headlands) or in field strips
- When planting the refuge in strips across the field, refuges must be at least four (4) rows wide
- Insecticide treatments for control of European corn borer, corn earworm, southwestern corn borer, fall armyworm, black cutworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer may be applied only if economic thresholds are reached for one or more of these target pests. In addition, the refuge can be protected from CRW damage by an appropriate seed treatment or soil insecticide, however, insecticides labeled for adult CRW control must be avoided in the refuge during the period of CRW adult emergence

Economic thresholds will be determined using methods recommended by local or regional professionals (e.g. Extension Service agents, crop consultants). Microbial *Bt* insecticides must not be applied to non *Bt* corn refuge plants.

- Cotton growing areas include the following states: Alabama, Arkansas, Georgia, Florida, Louisiana, North Carolina, Mississippi, South Carolina, Oklahoma (only the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, Washita), Tennessee (only the counties of Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Hardin, Haywood, Lake, Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby, and Tipton), Texas (except the counties of Carson, Dallam, Hansford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts, and Sherman), Virginia (only the counties of Dinwiddie, Franklin City, Greensville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey, Sussex) and Missouri (only the counties of Dunklin, New Madrid, Pemiscot, Scott, Stoddard).

<b>Crop</b>	<b>Pests</b>
Field corn	black cutworm corn earworm European corn borer fall armyworm southwestern corn borer western bean cutworm lesser corn stalk borer southern corn stalk borer stalk borer sugarcane borer