



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 28, 2015

Jamie Staley  
U.S. Registration Manager  
Pioneer Hi-Bred International, Inc.  
7100 NW 62<sup>nd</sup> Avenue  
Johnston, IA 50131

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment –To extend the expiration date, update the primary brand name to Optimum<sup>®</sup> AcreMax<sup>®</sup> Xtra, revise the CSF and make other minor label revisions  
Product Name: Optimum<sup>®</sup> AcreMax<sup>®</sup> Xtra  
EPA Registration Number: 29964-11  
Application Date: June 26, 2015  
OPP Decision Number: 509337

Dear Mr. Staley:

The amended labeling and confidential statement of formula (CSF) referred to above, submitted in connection with registration under Sec. 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable and the expiration date of the registration has been hereby extended to January 31, 2016.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with it.

Please note that the record for this product currently contains the following acceptable CSF:

- Basic CSF dated 09/23/2015

Any CSFs other than that listed above are superseded/no longer valid.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be

considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Ann Sibold of my team by phone at (703) 305-6502 or via email at [sibold.ann@epa.gov](mailto:sibold.ann@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Alan Reynolds', with a long horizontal flourish extending to the right.

Alan Reynolds, Team Leader  
Microbial Pesticide Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

# Optimum<sup>®</sup> AcreMax<sup>®</sup> Xtra

(OECD Unique Identifier: DAS-Ø15Ø7-1xDAS-59122-7xMON-ØØ81Ø-6)

## Active Ingredients:

*Bacillus thuringiensis* Cry1F protein and the genetic material (PHI8999A) necessary for its production in corn event DAS-Ø15Ø7-1..... ≤0.0011%\*

*Bacillus thuringiensis* Cry34Ab1 protein and the genetic material (PHP17662) necessary for its production in corn event DAS-59122-7 ..... ≤0.0054%\*

*Bacillus thuringiensis* Cry35Ab1 protein and the genetic material (PHP17662) necessary for its production in corn event DAS-59122-7 ..... ≤0.0042%\*

*Bacillus thuringiensis* Cry1Ab protein and the genetic material (PV-ZMBK07) necessary for its production in corn event MON-ØØ81Ø-6..... <0.0015%\*

## Other Ingredient:

Phosphinothricin acetyltransferase (PAT) produced by the *pat* gene and the genetic material necessary for its production in corn ..... ≤0.0013%\*

---

\*Percentage (wt/wt) on a dry wt. basis for whole plant tissue of 1507x59122xMON810 plants.

**KEEP OUT OF REACH OF CHILDREN**

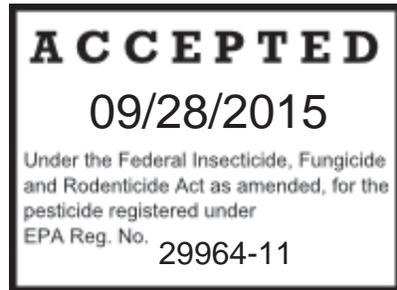
**CAUTION**

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

EPA REGISTRATION NUMBER: 29964-11

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 any manner inconsistent with its labeling.

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

Optimum<sup>®</sup> AcreMax<sup>®</sup> Xtra consists up to 90% 1507x59122xMON810 maize and a minimum of 10% non-Bt seed blended together in a bag of seed. This product controls above- and below-ground pests of maize, and the blended non-Bt plants provide refuge for both lepidopteran and corn rootworm pests.

## INSECT RESISTANCE MANAGEMENT

Growers are instructed to read information on insect resistance management.

Corn seed bags and bag tags for products containing Optimum<sup>®</sup> AcreMax<sup>®</sup> Xtra must include the refuge size requirements in text and graphical format.

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

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

Optimum<sup>®</sup> AcreMax<sup>®</sup> Xtra contains a Lepidopteran and corn rootworm 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 in non-cotton growing areas of the United States. **An external 20% lepidopteran refuge is required in cotton-growing regions where corn earworm is a significant pest.**

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<sup>®</sup> AcreMax<sup>®</sup> Xtra and the 20% non-*Bt* refuge should be sown on the same day, or with the shortest window possible between planting dates
- External refuges must 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<sup>®</sup> AcreMax<sup>®</sup> Xtra 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).

**Use Pattern**

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