

4/22/2014

Mr. Jamie Staley
Pioneer Hi-Bred International Inc.
Regulatory Science & Registration
7100 NW 62nd Avenue, PO Box 1000
Johnston, IA 50131-1000

APR 22 2014

Re: Pioneer Hi-Bred International, Inc.
EPA Registration No. 29964-26
Receipt of Amendment
Submissions Dated 04/14/2014
Decision No. 950643

Dear Mr. Staley:

The U.S. Environmental Protection Agency (EPA) reviewed your request to amend the subject product registration, which included the following changes to the product label:

- 1) Adjustment to change primary brand name from 1507xMON810xMIR162 with a 5% blended refuge to Optimum AcreMax Leptra.

All the changes referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), are acceptable.

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. If you have any questions regarding this letter, please contact Dr. Kenneth Haymes of my staff by telephone (703-347-0398) or email (*haymes.kenneth@epa.gov*). A stamped, accepted copy of the label is enclosed for your records.

Sincerely,

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

CONCURRENCES

SYMBOL	7511D	7511P	7511P					
SURNAME	Haymes	Reynolds	Nesci					
DATE	4/22/14	4/22/14	4/22/14					

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.

This plant-incorporated protectant (PIP) may be combined through conventional breeding with other registered plant-incorporated protectants that are similarly approved for use in combination, through conventional breeding, with other registered plant-incorporated protectants to produce inbred corn lines and hybrid corn varieties with combined pesticidal traits.

Optimum[®] AcreMax[®] Leptra[™] corn consists of up to 95% 1507xMON810xMIR162 and a minimum of 5% non-Bt seed blended together in a single lot of seed. This product controls above ground lepidopteran pests of maize and the blended non-Bt plants provide refuge for lepidopteran pests.

INSECT RESISTANCE MANAGEMENT

Growers are instructed to read information on insect resistance management.

These refuge requirements do not apply to seed increase/propagation of inbred and hybrid seed corn up to a total of 20,000 acres per county and up to a combined United States (U.S.) total of 250,000 acres per plant-incorporated protectant active ingredient per registrant per year.

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 Leptra must include the refuge size requirement in text and graphical format.

Corn-Belt/Non-Cotton Growing Areas

Optimum AcreMax Leptra contains a lepidopteran refuge that is "in the bag" and is automatically implemented with the grower plants the product. No additional refuge is required when planting this product in non-cotton areas of the United States.

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:

- An additional 20% structured refuge must be planted with non-Bt corn hybrids.
- Optimum AcreMax Leptra and the 20% non-Bt refuge seed 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 Leptra field(s).

- In field refuge options include: blocks, perimeter strips (*i.e.*, along the edges or headlanes), 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, stalk borer, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, sugarcane borer, beet armyworm and dingy cutworm may be applied only if economic thresholds are reached for one or more of these target pests. 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 and/or non-lepidopteran resistant *Bt* corn refuges.
- 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, Greenville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey, Sussex) and Missouri (only the counties of Dunklin, New Madrid, Pemiscot, Scott, Stoddard).

Crop	Pests
Field Corn	black cutworm beet armyworm corn earworm dingy cutworm European corn borer fall armyworm southwestern corn borer western bean cutworm lesser corn stalk borer southern corn stalk borer stalk borer sugarcane borer

