

29964-21

10/18/2013

114

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 18 2013

Mr. Jamie Staley
Pioneer Hi-Bred International, Inc.
7100 N.W. 62nd Ave.
P.O. Box 1000
Johnston, IA 50131-1000

Re: 4114 x MON810 x MIR604 with a 5% Blended Refuge
EPA Registration No. 29964-21
Submission dated September 13, 2013 and subsequent revision
Decision No. 483472

Dear Mr. Staley:

The Agency has reviewed your request to amend the subject product registration which includes the following changes to the product label:

Correction of the OECD Unique Identifier on the label accepted 8/29/2013.

The amendment referred to above, which amends the registration issued under FIFRA section 3(c)(7)(A), is acceptable provided that you comply with the terms and conditions of the registration notice dated 8/29/2013.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

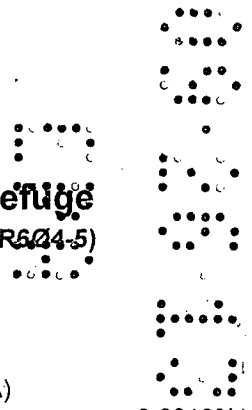
Sincerely,

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

Enclosure

CONCURRENCES							
SYMBOL	▶	7511P	7511P	7511P			
SURNAME	▶	Sibold	Reynolds	Men			
DATE	▶	9/30/13	10/17/13	10/18/13			

4114xMON810xMIR604 with a 5% Blended Refuge
(OECD Unique Identifier: DP-ØØ4114-3xMON-ØØ81Ø-6xSYN-IR6Ø4-5)



Active Ingredients

- Bacillus thuringiensis* Cry1F protein and the genetic material (PHP27118 T-DNA) necessary for its production in corn event DP-ØØ4114-3 ≤0.0012%*
- Bacillus thuringiensis* Cry34Ab1 protein and the genetic material (PHP27118 T-DNA) necessary for its production in corn event DP-ØØ4114-3 ≤0.0096%*
- Bacillus thuringiensis* Cry35Ab1 protein and the genetic material (PHP27118 T-DNA) necessary for its production in corn event DP-ØØ4114-3 ≤0.0042%*
- Bacillus thuringiensis* Cry1Ab protein and the genetic material (vector PV-ZMBK07) necessary for its production in corn event MON-ØØ81Ø-6 ≤0.0011%*
- Bacillus thuringiensis* mCry3A protein and the genetic material (via elements of pZM26) necessary for its production in corn event SYN-IR6Ø4-5 ≤0.0008%*

Inert Ingredients

- Phosphinothricin acetyltransferase (PAT) protein and the genetic material (PHP27118 T-DNA) necessary for its production in corn event DP-ØØ4114-3 ≤0.00088%*
- Phosphomannose isomerase (PMI) protein and the genetic material (via elements of pZM26) necessary for its production in corn event SYN-IR6Ø4-5 ≤0.00076%*

* Percentage (wt/wt) on a dry wt. basis for whole plant.

KEEP OUT OF REACH OF CHILDREN

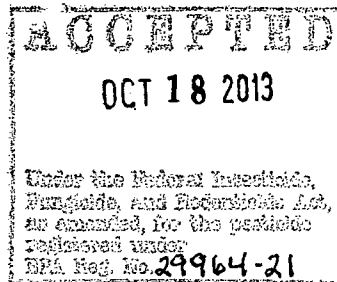
CAUTION

NET CONTENTS _____

EPA REGISTRATION NUMBER: 29964-21

EPA ESTABLISHMENT NUMBER: 029964-IA-001

Pioneer Hi-Bred International, Inc.
7300 NW 62nd 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.

4114xMON810xMIR604 with a 5% Blended Refuge consists of 95% 4114xMON810xMIR604 maize and 5% 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.

Refuge Requirements for 4114xMON810xMIR604 with a 5% Blended Refuge

4114xMON810xMIR604 with a 5% Blended Refuge 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 where corn earworm is not a significant pest. An external 20% lepidopteran refuge is required in cotton-growing regions where corn earworm is a significant pest.

Corn seed bags or bag tags for 4114xMON810xMIR604 with a 5% Blended Refuge products must include the refuge size requirement in text and graphical format.

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.
- The 4114xMON810xMIR604 seed blend 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 4114xMON810xMIR604 seed blend 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

Crop	Pests
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