

29964-22

10/18/2013

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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
 EPA Registration No. 29964-22
 Submission dated September 13, 2013 and subsequent revisions
 Decision No. 483473

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

ONCURRENCES

SYMBOL	▶ 7511P	7511P	75110					
SURNAME	▶ Ahold	Reynolds	Nesci					
DATE	▶ 9/30/13	10/17/13	10/18/13					

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4114xMON810xMIR604

(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

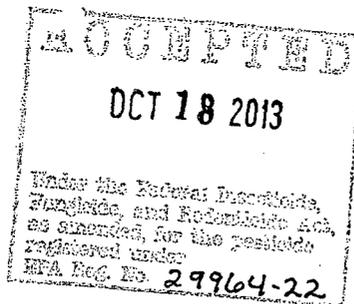
CAUTION

NET CONTENTS _____

EPA REGISTRATION NUMBER: 29964-22

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 any manner inconsistent with its labeling.

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.

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

4114xMON810xMIR604 corn combines the insect protection features of 4114, MON810 and MIR604 in the same corn hybrid (inbred). 4114xMON810xMIR604 corn hybrids protect corn crops from leaf, stalk and ear damage caused by lepidopteran corn pests such as the European corn borer and root damage caused by corn rootworm larvae. In order to minimize the risk of the corn pests developing resistance to 4114xMON810xMIR604 corn, an insect resistance management plan must be implemented.

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.

Corn seed bags or bag tags for products containing 4114xMON810xMIR604 must include the refuge size requirement in text and graphical format.

Growers are instructed to read information on insect resistance management. The following information regarding refuge placement for commercial production must be included in the Grower Guide:

The use of 4114xMON810xMIR604 corn requires accompanying refuge corn for the Cry1F, Cry34/35Ab1, Cry1Ab and mCry3A components as described in the table below.

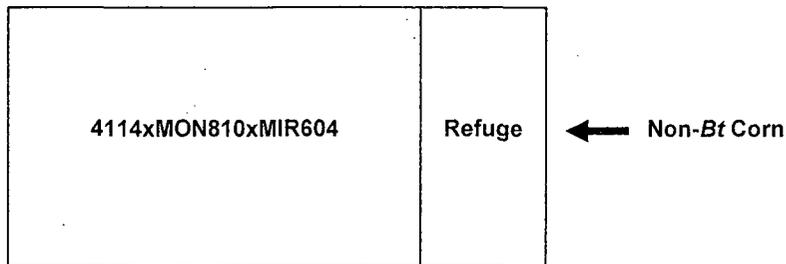
Region	Refuge size	In-field or adjacent refuge allowed*	Refuge separated by up to 1/2 mile allowed
Non-cotton growing where WCR, NCR and MCR are not significant: AK, OR, WA, ID, MT, WY, UT, VA (except the counties of Dinwiddie, Franklin City, Greensville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey, and Sussex), WV, PA, MD, DE, CT, RI, NJ, NY, ME, MA, NH, VT, HI, TN (except the counties of Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Hardin, Haywood, Lake, Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby, and Tipton)	5% non-Bt maize	Yes	Yes

Region	Refuge size	In-field or adjacent refuge allowed*	Refuge separated by up to ½ mile allowed
Non-cotton-growing where WCR, NCR and/or MCR are significant: KS, NE, SD, ND, MN, IA, MO (except the counties of Dunkin, New Madrid, Pemiscot, Scott, and Stoddard), IL, WI, MI, IN, OH, KY, CO, OK (except the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, and Washita), TX (only the counties of Carson, Dallam, Hansford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts, and Sherman)	5% non-Bt maize	Yes	No
Cotton growing where CEW is not a significant pest and WCR, NCR and MCR are not significant: NM, AZ, CA, NV	5% non-Bt maize	Yes	Yes
Cotton growing where CEW is a significant pest and WCR, NCR, and MCR are not significant: NC, SC, GA, FL, TN (only the counties of Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Hardin, Haywood, Lake, Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby, and Tipton), AL, MS, LA, AR, VA (only the counties of Dinwiddie, Franklin City, Greensville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey, and Sussex)	20% non-Bt maize	Yes	Yes
Cotton growing where CEW is a significant pest and WCR, NCR, and/or MCR are significant: TX (except the counties of Carson, Dallam, Hansford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts, and Sherman), OK (only the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, and Washita), MO (only the counties of Dunkin, New Madrid, Pemiscot, Scott, and Stoddard)	20% non-Bt maize	Yes	No

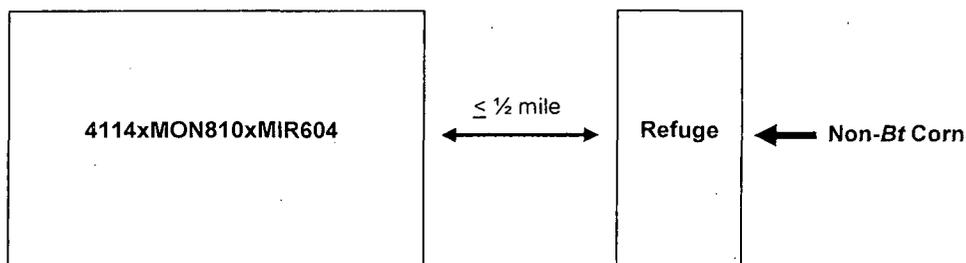
* The common refuge can be separated by a ditch or a road but not by another field. The refuge must be owned or managed by the same grower. A neighbor's field cannot be used as the refuge.

If corn rootworms are significant within a region, the block/strip refuge must be planted as an in-field or adjacent refuge using non-Bt corn hybrids. It can be planted as block within or adjacent (e.g. across the road) to the 4114xMON810xMIR604 field, perimeter strips (i.e. strips around the field), or in-field strips that are at least one (1) row wide. The refuge can be protected from lepidopteran damage by use of non-Bt insecticides if the population of one or more target lepidopteran pests of 4114xMON810xMIR604 in the refuge exceeds economic thresholds. 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 threshold will be determined using method recommended by local or

regional professionals (e.g. Extension Service agents, crop consultants). A schematic of one common refuge deployment option is shown below:



If corn rootworms are not significant within a region, the block/strip refuge may be planted as an in-field or adjacent refuge, or as a separate block that is within a 1/2 mile of the 4114xMON810xMIR604 field. The block/strip refuge must be planted using non-Bt corn hybrids. Economic threshold will be determined using method recommended by local or regional professionals (e.g. Extension Service agents, crop consultants). A schematic of one refuge deployment option with the refuge planted within a 1/2 mile of the 4114xMON810xMIR604 field is shown below:



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