



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

524-656

Date of Issuance:

3/21/2019

NOTICE OF PESTICIDE:

☒ Registration

☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

MON 89034 x MON 810 x
MIR162 x MON 87411

Name and Address of Registrant (include ZIP Code):

Monsanto Company
800 North Lindbergh Boulevard
St. Louis, MO 63167

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you comply with the following terms:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

Signature of Approving Official:

Alan Reynolds, Team Leader
Emerging Technologies Branch
Biopesticides and Pollution Prevention Division (7511P)

Date:

3/21/2019

2. The subject registration is limited to *Bacillus thuringiensis* Cry1A.105 and Cry2Ab2 proteins and the genetic material necessary for their production (vector PV-ZMIR245) in MON 89034 (OECD Unique Identifier: MON 89Ø34-3), *Bacillus thuringiensis* Cry1Ab protein and the genetic material necessary for its production (vector PV-ZMCT01) in MON 810 (OECD Unique Identifier: MON ØØ81Ø-6), *Bacillus thuringiensis* Vip3Aa20 protein and the genetic material necessary for its production (vector pNOV1300) in MIR162 (OECD Unique Identifier: SYN-IR162-4), and *DvSnf7* dsRNA [Double-stranded ribonucleic acid transcript comprising a *Dvsnf7* inverted repeat sequence derived from western corn rootworm (*Diabrotica virgifera virgifera*)] and *Bacillus thuringiensis* Cry3Bb1 protein and the genetic material necessary for their production (vector PV-ZMIR10871) in MON 87411 (OECD Unique Identifier: MON-87411-9) for use in field corn.
3. This plant-incorporated protectant 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.
4. Planting seed containing this plant-incorporated protectant may only be planted for the purposes of agronomic evaluation, seed increase, and production in breeding nurseries as specified in the terms of this registration and on the labeling. Commercial plantings of this product for the purposes of grain production and controlling insect pests are prohibited.
5. Plants that contain this plant-incorporated protectant may be grown on 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 registrant per year. Harvested seed should not be allowed for sale as a commercial seed in the U.S. under the current terms of this registration but any non-treated seed grain containing MON 89034 x MON 810 x MIR162 x MON 87411 may be sold as grain.
6. Make the following labeling change before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 524-656.”

Should you wish to add/retain a reference to your company’s website on your label, the please be aware that the website becomes labeling FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered 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. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- April 20, 2018

If you have any questions, please contact Matt Weiner by phone at (703) 347-0333 or via email at weiner.matthew@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Alan Reynolds', with a stylized, flowing script.

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

Enclosure

Plant-Incorporated Protectant Label**MON 89034 × MON 810 × MIR162 × MON 87411****Insect-Protected, Herbicide-Tolerant Corn**(OECD Unique Identifier: MON-89034-3 × MON-00810-6 × SYN-IR162-4 ×
MON-87411-9)**Active Ingredients:***Bacillus thuringiensis* Cry1A.105 protein and the genetic material (vector PV-ZMIR245)
necessary for its production in MON 89034 × MON 810 × MIR162 × MON 87411 corn
(Unique Identifier MON-89034-3 × MON-00810-6 × SYN-IR162-4 × MON-87411-9)
..... ≤ 0.0023%**Bacillus thuringiensis* Cry2Ab2 protein and the genetic material (vector PV-ZMIR245)
necessary for its production in MON 89034 × MON 810 × MIR162 × MON 87411 corn
(Unique Identifier MON-89034-3 × MON-00810-6 × SYN-IR162-4 × MON-87411-9)
..... ≤ 0.0078%**Bacillus thuringiensis* Cry1Ab protein and the genetic material (vector PV-ZMCT01)
necessary for its production in MON 89034 × MON 810 × MIR162 × MON 87411 corn
(Unique Identifier MON-89034-3 × MON-00810-6 × SYN-IR162-4 × MON-87411-9)
..... ≤ 0.0011%**Bacillus thuringiensis* Vip3Aa20 protein and the genetic material (vector pNOV1300)
necessary for its production in MON 89034 × MON 810 × MIR162 × MON 87411 corn
(Unique Identifier MON-89034-3 × MON-00810-6 × SYN-IR162-4 × MON-87411-9)
..... ≤ 0.0099%**Bacillus thuringiensis* Cry3Bb1 protein and the genetic material (vector PV-ZMIR10871)
necessary for its production in MON 89034 × MON 810 × MIR162 × MON 87411 corn
(Unique Identifier MON-89034-3 × MON-00810-6 × SYN-IR162-4 × MON-87411-9)
..... ≤ 0.0051%*dsRNA transcript comprising a *DvSnf7* inverted repeat sequence derived from *Diabrotica*
virgifera virgifera, and the genetic material (vector PV-ZMIR10871) necessary for its
production in MON 89034 × MON 810 × MIR162 × MON 87411 corn (Unique Identifier
MON-89034-3 × MON-00810-6 × SYN-IR162-4 × MON-87411-9)
..... ≤ 0.00000049%*

Other Ingredients:

PMI (phosphomannose isomerase) protein and the genetic material necessary (vector pNOV1300) for its production in MON 89034 × MON 810 × MIR162 × MON 87411 corn (Unique Identifier MON-89034-3 × MON-00810-6 × SYN-IR162-4 × MON-87411-9).....≤0.00068%*

CP4 EPSPS (5-enolpyruvylshikimate-3-phosphate synthase) protein and the genetic material (vector PV-ZMIR10871) necessary for its production in MON 89034 × MON 810 × MIR162 × MON 87411 corn (Unique Identifier MON-89034-3 × MON-00810-6 × SYN-IR162-4 × MON-87411-9).....≤ 0.018%*

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Registration No. 524-XXX

EPA Establishment No. 524-MO-002

Monsanto Company
800 North Lindbergh Blvd.
St Louis, MO 63167

NET CONTENTS _____

DIRECTIONS FOR USE

It is a violation of Federal law to use this seed in any manner inconsistent with this 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.

This product may be used for breeding purposes, agronomic testing, increasing inbred seed stocks, and producing hybrid seed on up to a total of 20,000 acres per county and up to a combined United States (US) total of 250,000 acres per plant incorporated protectant (PIP) active ingredient per registrant per year. Commercial plantings of this product, for the purposes of grain production and controlling corn insect pests, are prohibited.

Harvested seed are not be allowed for sale as commercial seed in the U.S. under the current conditions of this registration but any non-treated seed containing MON 89034 × MON 810 × MIR162 × MON 87411 may be sold as grain.

There are no refuge requirements for planting of MON 89034 × MON 810 × MIR162 × MON 87411 Corn.