



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

EPA Reg. Number:  
67979-22

Date of Issuance:  
JUL 31 2012

Term of Issuance: Conditional; Time Limited

Name of Pesticide Product:  
5307 Corn

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):  
 Syngenta Seeds, Inc. – Field Crops – NAFTA  
 P.O. Box 12257  
 Research Triangle Park, NC 27709-2257


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.

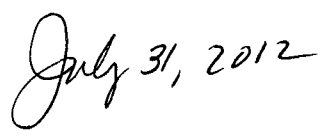
On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act). Registration is in no way to be construed as an endorsement or recommendation of this product by the Environmental Protection Agency (EPA or the Agency). In order to protect health and the environment, the Administrator, on 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 this 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.

The registration application referred to above, submitted in connection with registration under § 3(c)(7)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you do the following terms and conditions.

- 1) The subject registration will automatically expire on midnight August 1, 2016.
- 2) The subject registration will be limited to *Bacillus thuringiensis* eCry3.1Ab insecticidal protein and the genetic material necessary for its production (via elements of vector PSYN12274) in 5307 Corn (SYN-Ø53Ø7-1).
- 3) Submit/cite all data required for registration of your product under FIFRA § 3(c)(5) when the Agency requires registrants of similar products to submit such data.

-Continued on Page 2-

Signature of Approving Official:  
  
 Keith A. Matthews, Director  
 Biopesticides and Pollution Prevention Division (7511P)

Date:  



Syngenta Seeds, Inc.  
EPA Registration No. 67979-22

- 4) Event 5307 Corn may only be used for breeding purposes, agronomic testing, increasing inbred seed and producing 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 year. Commercial plantings of this product for the purposes of grain production and controlling corn insect pests are prohibited.
- 5) Submit the following data with the specified timeframes.
  - a) Within two (2) years of the date of this registration, additional data or analysis to address the cross resistance potential of eCry3.1Ab with Cry3Bb1 and Cry35/35Ab1. As part of this effort, BPPD also recommends that Syngenta work to develop an eCry3.1Ab-resistant colony (similar to the work done for mCry3A -- see Meihls et al. 2011).
  - b) Additional data for corn rootworm resistance monitoring with the eCry3.1Ab toxin:
    - Baseline susceptibility data - within two (2) years of the date of this registration;
    - A proposal for a plant-based diagnostic assay including an investigation into the feasibility of using the "Sublethal Seedling Assay" (Nowatzki et al. 2008) – by the 2013 season with reporting in 2014;
    - A monitoring plan for northern corn rootworm (*Diabrotica barberi*) – by the 2013 season;
    - Corn rootworm damage guidelines (for unexpected pest damage investigations of eCry3.1Ab corn) - within six (6) months of the date of this registration.

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 this product constitutes acceptance of these conditions.

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

Sincerely,

  
 Keith A. Matthews, Director for  
 Biopesticides and Pollution  
 Prevention Division (7511P)

**5307 Corn**

**Insect Control Protein  
Manufacturing-Use Product  
(OECD Unique Identifier SYN-Ø53Ø7-1)**

**Active Ingredient:**

*Bacillus thuringiensis* eCry3.1Ab protein and the genetic material necessary for its production (via elements of vector pSYN12274) in 5307 Corn (SYN-Ø53Ø7-1).....0.00034 – 0.01782%\*

**Other Ingredient:**

Marker protein and the genetic material necessary for its production (via elements of vector pSYN12274) in 5307 Corn (SYN-Ø53Ø7-1) .....0.00004 – 0.00088%\*

\*Percent dry weight, whole plant

**CAUTION**

**Keep Out of Reach of Children**

EPA Registration Number 67979-22  
EPA Establishment Number 66736-NC-1

Syngenta Seeds, Inc. – Field Crops - NAFTA  
P.O. Box 12257  
3054 E. Cornwallis Rd.  
Research Triangle Park, NC 27709

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

**DIRECTIONS FOR USE**

Use of this plant-incorporated protectant in a manner inconsistent with the terms of this label is a violation of Federal law. 5307 seed corn may only be planted for research and breeding purposes, increasing inbred seed, or producing hybrid seed on up to 250,000 acres per year. Commercial plantings of this product for the purposes of grain production and controlling insect pests are prohibited.

5307 Corn 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.

There are no refuge requirements for planting of 5307 Corn.

**STORAGE AND DISPOSAL**

Do not contaminate bodies of water by storage or disposal.

