



U S ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Biopesticides and Pollution
Prevention Division (7511P)
Ariel Rios Building
1200 Pennsylvania Ave , NW
Washington, D C 20460

EPA Reg Number
68467 18

Date of Issuance
JUL 27 2012

NOTICE OF PESTICIDE

x Registration
Reregistration
(under FIFRA, as amended)

Term of Issuance Unconditional

Name of Pesticide Product
Cry1F Insect Protected
Cotton Seed

Name and Address of Registrant (include ZIP Code)

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis IN 46268 1054

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/reregistered under the Federal Insecticide Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment the Administrator on his 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.

This registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time that additional data are required to maintain in effect an existing registration the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

This product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms and conditions:

- 1) Submit/cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2) The subject registration is limited to Bacillus thuringiensis var aizawai Cry1F protein and the genetic material (from the insert of plasmid pGMA281) necessary for its production in cotton (OECD Unique Identifier Event 281 24 236).
3) Change the EPA Registration Number entry to 'EPA Registration Number 68467 18' on the final printed label.

Signature of Approving Official

[Handwritten Signature]

Date

27 Jul 12

CONCURRENCES

Table with columns for SYMBOL, SURNAMES, DATE, and handwritten initials/signatures for Keith A. Matthews, Greenway Reynolds, and another official.

- 4) This product may be used for breeding purposes agronomic testing and producing seed cotton on up to a total of 20 000 acres per county and up to a combined United States total of 30 000 acres per year Planting of this product for the purpose of commercial sales is prohibited
- 5) The following restrictions apply and must appear on the label for this product
 - a No planting of Cry1F Insect Protected Cotton Seed is permitted south of Route 60 (near Tampa) in Florida
 - b Experimental plots and breeding nurseries of Cry1F Insect Protected Cotton Seed are prohibited on the U S Virgin Islands
 - c Test plots or breeding nurseries regardless of plot size established in Hawaii must not be planted within three miles of *Gossypium tomentosum*
 - d Test plots or breeding nurseries regardless of plot size, established on the Island of Puerto Rico must not be planted within three miles of feral cotton plants and
 - e Upon approval by EPA test plots and/or breeding nurseries in Hawaii the U S Virgin Islands and Puerto Rico may be established without restriction if alternative measures such as insecticide applications are shown to effectively mitigate gene flow
- 6) Submit two (2) copies of the revised final printed labeling before releasing the product for shipment Refer to the A 79 enclosure for a further description of final printed labeling

Failure to comply with these conditions will subject the registration to cancellation in accordance with FIFRA sec 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,


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

3/4

Cry1F Insect Protected Cotton Seed

OECD Unique Identifier Event 281 24 236

Pure form of the plant incorporated protectant *Bacillus thuringiensis* var *aizawai* strain PS811 delta endotoxin protein as produced in cotton cells For control of Cotton Bollworm and Tobacco Budworm

Active Ingredient

Bacillus thuringiensis var *aizawai* Cry1F and the genetic material (from the insert of plasmid pGMA281) necessary for its production in cotton Event 281 24 236 1 4 6 6 ng/mg

ng/mg seed tissue on a wet weight basis

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

EPA REG NUMBER 68467 ~~18~~ 18

EPA ESTABLISHMENT NUMBER 62719 IN 1

Mycogen Seeds
c/o Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis IN 46268

ACCEPTED

JUL 27 2012

Under the Federal Insecticide Fungicide
and Rodenticide Act as amended for
the pesticide registered under
EPA Reg No 68467-18

4/4

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 may be combined through conventional breeding with other registered plant incorporated protectants that are similarly accepted for use in combination through conventional breeding with other registered plant incorporated protectants to produce cotton varieties with combined pesticidal traits

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

Cotton has been transformed to express *Bacillus thuringiensis* var *aizawai* strain PS811 delta endotoxin protein for control of the Cotton Bollworm and Tobacco Budworm

This product is for breeding purposes only and is not for commercial planting in the United States This product may be used for breeding purposes agronomic testing and producing seed cotton on up to a total of 20 000 acres per county and up to a combined United States total of 30 000 acres per year

The following information regarding test plots and seed production must occur on bags of Event 281 24 236 cotton intended for the following purposes

- a) No planting is permitted south of Route 60 (near Tampa) in Florida
- b) Experimental plots and breeding nurseries of *Bt* cotton are prohibited on the U S Virgin Islands
- c) Test plots or breeding nurseries regardless of the plot size established in Hawaii must not be planted within 3 miles of *Gossypium tomentosum* and must be surrounded by 24 border rows of a suitable pollinator trap crop and
- d) Test plots or breeding nurseries regardless of the plot size established on the island of Puerto Rico must not be planted within 3 miles of feral cotton plants and must be surrounded by 24 border rows of a suitable pollinator trap crop

USE PATTERN

CROP	PESTS
Cotton	Cotton Bollworm Tobacco Budworm

EPA Accepted ___/___/___