



**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: 68467-20  
 Date of Issuance: JAN 30 2014

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance: **Unconditional**  
 Name of Pesticide/Product: **DAS-81419-2 Soybean**

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:

- 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* Cry1Ac protein and the genetic material (Vector pDAB9582) necessary for its production and *Bacillus thuringiensis* Cry1F protein and the genetic material (Vector pDAB9582) necessary for its production as expressed in DAS-81419-2 Soybean (OECD Unique Identifier DAS-81419-2).
- 3) Change the EPA Registration Number entry to "EPA Registration No. 68467-20" on the final printed label.

Signature of Approving Official: *Robert McNally*

Date: 1/30/14

**CONCURRENCES**

YMBOL	Robert McNally, Director	7511P	7511	7511P
USERNAME	Biopesticides and Pollution Prevention Division	Greenway	Chen	McNally
DATE	EPA Form 8570-6	1/29/2014	1/29/14	1/30/14

4) This product may only be used for seed increase, breeding, research, and seed production on a total of up to 250,000 acres per year with no more than 20,000 acres per county (in non-cotton growing regions); 10,000 acres per county (in cotton-growing counties with at least 25,000 acres of soybean); or 1,000 acres per county (in cotton-growing counties with less than 25,000 acres of soybean) per year in the United States and the Commonwealth of Puerto Rico. Cotton growing regions are defined as follows: Alabama, Arkansas, Florida, Georgia, Louisiana, North Carolina, Mississippi, South Carolina, Oklahoma (only the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, and 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, Ochiltrie, Roberts, and Sherman), Virginia (only the counties of Dinwiddie, Franklin City, Greensville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey, and Sussex), and Missouri (only the counties of Dunklin, New Madrid, Pemiscot, Scott, and Stoddard.

5) Within 18 months of the date of this letter, data from a soil fate study designed to determine the degradation rate (DT<sub>50</sub>) of Cry1Ac and Cry1F proteins sampled from representative soils of soybean-growing regions must be submitted to the EPA.

6) Within 90 days of the date of this letter, a resistance monitoring and remedial action plan for DAS-81419-2 Soybean (EPA Reg. No. 68467-20) must be submitted to the EPA.

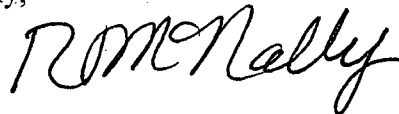
7) Dow must maintain and make available to the Agency, within 90 days of request, the number of units of DAS-81419-2 Soybean sold by state (or Commonwealth) and county.

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 terms will subject the registration to cancellation, in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these terms.

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

Sincerely,



Robert McNally  
Director  
Biopesticides and Pollution  
Prevention Division (7511P)

Enclosures (2)

# DAS-81419-2 Soybean

**Plant-incorporated protectant *Bacillus thuringiensis* subsp. *kurstaki* Cry1Ac protein and *Bacillus thuringiensis* subsp. *aizawai* Cry1F protein as produced in insect-protected soybean cells (OECD Unique Identifier: DAS-81419-2).**

**Active Ingredients:**

*Bacillus thuringiensis* Cry1Ac protein and the genetic material (vector pDAB9582) necessary for its production in DAS-81419-2 soybean ..... 0.000079 - 0.00014%\*

*Bacillus thuringiensis* Cry1F protein and the genetic material (vector pDAB9582) necessary for its production in DAS-81419-2 soybean ..... 0.001041 - 0.00169%\*

**Other Ingredient:**

The marker protein, PAT (phosphinothricin *N*-acetyltransferase), and the genetic material (vector pDAB9582) necessary for its production in DAS-81419-2 soybean ..... 0.000063 - 0.00011%\*

\*Maximum percent (wt/wt) of dry grain.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

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

EPA Registration No. 68467-X  
EPA Establishment No. 62719-IN-1

Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268

**ACCEPTED**

JAN 30 2014

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg. No. 68467-20

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this plant-incorporated protectant in a manner inconsistent with its labeling.

DAS-81419-2 Soybean was transformed to express *Bacillus thuringiensis* Cry1Ac and Cry1F insecticidal proteins. The insect-protected DAS-81419-2 Soybean may be used only for seed increase, breeding, research, and seed production in breeding nurseries and research stations as specified in the terms of this registration and on this label.

The insect-protected soybean may be grown on up to a total of 250,000 acres per year with no more than 20,000 acres per county (in non-cotton growing regions); 10,000 acres per county (in cotton-growing counties with at least 25,000 acres of soybean); or 1,000 acres per county (in cotton-growing counties with less than 25,000 acres of soybean) per year in the United States and the Commonwealth of Puerto Rico. Cotton growing regions are defined as follows: Alabama, Arkansas, Florida, Georgia, Louisiana, North Carolina, Mississippi, South Carolina, Oklahoma (only the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, and 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, and Sussex), and Missouri (only the counties of Dunklin, New Madrid, Pemiscot, Scott, and Stoddard).

Equipment used for planting, harvesting, and handling of this insect-protected soybean must be thoroughly cleaned before further use. All plant propagation materials produced by Dow AgroSciences LLC and its cooperators that contain the insect-protected soybean must be securely stored for export, future planting, research, or use for additional plant propagation materials pursuant to the terms of this registration. Harvested seeds are not allowed for sale as commercial seed in the U.S.

DOA

United States Department of Agriculture  
and National Institute of Food and Agriculture  
644 Rappahannock Street  
Alexandria, VA 22304-5000