



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 22, 2023

Ashley Young
U.S. Seeds Regulatory Specialist
Corteva Agriscience LLC
7100 NW 62 Avenue
PO Box 1000
Johnston, IA 50131-1000

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment –Revision to the Name of the Company
Product Name: PowerCore™ Ultra Enlist™
EPA Registration Number: 62719-704
EPA Receipt Date: March 3, 2023
Action Case Number: 00439368

Dear Ms. Young:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

The primary company name of this product has been changed from Dow Agrosiences LLC to Corteva Agriscience LLC, and our records have been updated accordingly. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be 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 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA

section 3 registration, the website will be referred to EPA's Office of Enforcement and Compliance Assurance.

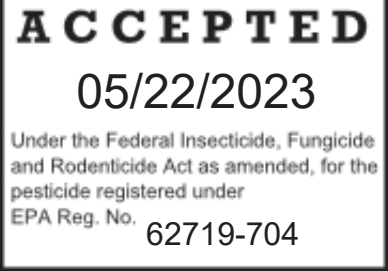
Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Leslie Paul via email at paul.leslie@epa.gov.

Sincerely,

 Digitally signed by
ALAN REYNOLDS
Date: 2023.05.22
16:33:49 -04'00'

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

Enclosure: Final Stamped Label



Plant-Incorporated Protectant Label

PowerCore™ Ultra Enlist™

**(Alternate Brand Name: PowerCore™ Ultra)
(Alternate Brand Name: MON 89034 x TC1507 x MIR162
Insect-Protected Herbicide-Tolerant Corn)**

(OECD Unique Identifier: MON-89034-3 × DAS-01507-1 × SYN-IR162-4)

Active Ingredients:

Bacillus thuringiensis Cry1A.105 protein and the genetic material (vector PV-ZMIR245) necessary for its production in corn event MON 89034 (OECD Unique Identifier: MON-89034-3) ≤ 0.0129%*

Bacillus thuringiensis Cry2Ab2 protein and the genetic material (vector PV-ZMIR245) necessary for its production in corn event MON 89034 (OECD Unique Identifier: MON-89034-3) ≤ 0.00489%*

Bacillus thuringiensis Cry1F protein and the genetic material (vector PHP8999) necessary for its production in corn event TC1507 (OECD Unique Identifier: DAS- 01507-1) ≤ 0.00099%*

Bacillus thuringiensis Vip3Aa20 insecticidal protein and the genetic material necessary for its production (vector pNOV1300) in corn event MIR162 (OECD Unique Identifier: SYN-IR162-4) ≤ 0.0098%*

Other Ingredients:

The marker protein, PAT (phosphinothricin acetyl transferase), and the genetic material (vector PHP8999) necessary for its production in corn event TC1507 ≤ 0.00003*

The marker protein PMI (phosphomannose isomerase), and the genetic material (vector pNOV1300) necessary for its production in corn event MIR162 (OECD Unique Identifier: SYN-IR162-4) ≤ 0.00046%*

*Maximum percent dry weight of forage

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS _____

CAUTION

EPA Registration No. 62719-704

EPA Establishment No. 62719-IN-1

Corteva Agriscience LLC
9330 Zionsville Rd.
Indianapolis, IN 46268

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.

PowerCore™ Ultra Enlist™ protects corn crops from leaf, stalk, and ear damage caused by lepidopteran corn pests listed on this label. In order to minimize the risk of these pests developing resistance to PowerCore™ Ultra Enlist™ corn an insect resistance management plan must be implemented which includes planting of a structured refuge. Growers who fail to comply with the IRM requirements risk losing access to Dow AgroSciences' corn PIP products that require a separate structured refuge.

These refuge requirements do not apply to seed propagation of inbred and hybrid seed corn up to a total of 20,000 acres per county and up to a combined US total of 250,000 acres per PIP active ingredient per year.

Grower agreements will specify that growers must adhere to the refuge requirements that will be described in the Product Use Guide for PowerCore™ Ultra Enlist™ corn or other applicable product use documents.

Sales of corn hybrids that contain Dow AgroSciences' Bt corn plant-incorporated pesticide(s) must be accompanied by a Product Use Guide which includes information on planting, production, and insect resistance management and notes that routine applications of insecticides to control these insects are usually unnecessary when corn containing the Bt proteins is planted.

INSECT RESISTANCE MANAGEMENT

Growers are instructed to read information on 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 (PIP) active ingredient per registrant per year.

The following information regarding commercial production must be included in grower guides and bag tags for PowerCore™ Ultra Enlist™ corn in cotton and non-cotton growing areas

1) *Refuge size, all regions other than the cotton growing region where corn earworm is a significant pest as defined below.* The use of PowerCore™ Ultra Enlist™ corn requires an accompanying 5% refuge consisting of non-*Bt* corn and/or non-lepidopteran resistant Bt corn

2) *Refuge size, the cotton growing region where corn earworm is a significant pest as defined below*.* The use of PowerCore™ Ultra Enlist™ corn requires an accompanying 20% refuge consisting of non-*Bt* corn and/or non-lepidopteran resistant Bt corn.

3) *Refuge location*

- Refuge planting options include: separate fields, blocks within fields (e.g., along the edges or headlands), and strips across the field.
- External refuges must be planted within ½ mile.

- When planting the refuge in strips across the field, refuges must be at least 4 rows wide.

4) *Refuge management*

- Insecticide treatments for control of European corn borer, corn earworm, southwestern corn borer and other lepidopteran target pests listed on the label, grower guides, or other educational material may be applied only if economic thresholds are reached for one or more of these target pests. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g., Extension Service agents, crop consultants). Instructions to growers will specify that microbial *Bt* insecticides must not be applied to non-*Bt* corn and/or non-lepidopteran resistant *Bt* corn refuges.

*The cotton-growing region where corn earworm is a significant pest, which requires 20% refuge consists of the following states: Alabama, Arkansas, Georgia, Florida, 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).

Corn Insects Controlled or Suppressed

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|---------------------------------|---------------------------------|
| European corn borer (ECB) | <i>Ostrinia nubilalis</i> |
| Southwestern corn borer (SWCB) | <i>Diatraea grandiosella</i> |
| Southern cornstalk borer (SCSB) | <i>Diatraea crambidoides</i> |
| Corn earworm (CEW) | <i>Helicoverpa zea</i> |
| Fall armyworm (FAW) | <i>Spodoptera frugiperda</i> |
| Stalk borer | <i>Papaipema nebris</i> |
| Lesser corn stalk borer | <i>Elasmopalpus lignosellus</i> |
| Sugarcane borer (SCB) | <i>Diatraea saccharalis</i> |
| Western bean cutworm (WBC) | <i>Striacosta albicosta</i> |
| Black cutworm | <i>Agrotis ipsilon</i> |

PowerCore™ Ultra Enlist™ is a product of Dow AgroSciences' research programs offering unique genetic characteristics for specific grower needs and may be protected by one or more of the following U.S. patents that can be found at <http://www.traitstewardship.com>.

EPA Accepted: _____