



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

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

May 14, 2013

Tim McPherson  
E.I. du Pont de Nemours and Company  
1007 Market Street  
Wilmington, DE 19898

Subject: Supplemental Label (revise directions for use in blueberries, raspberries,  
and blackberries)  
DuPont Matrix SG Herbicide  
EPA Reg. No. 352-768  
Application Dated April 4, 2013

Dear Mr. McPherson:

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

The supplemental labeling must be incorporated into the main product labeling within eighteen (18) months from the date of this letter.

A stamped copy of the label is enclosed for your records. You must submit one (1) copy of the final printed label before you release the product for shipment. Products released for shipment after eighteen (18) months from the date of this letter must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

If you have any questions, please contact Mindy Ondish at (703)605-0723 or at [ondish.mindy@epa.gov](mailto:ondish.mindy@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", enclosed in a large, loopy oval.

Kable Bo Davis  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)



**DuPont Crop Protection**

**ACCEPTED**

MAY 1 4 2013

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 352-768

**SUPPLEMENTAL LABELING**

**DUPONT™ MATRIX® SG  
HERBICIDE  
FOR USE IN BLUEBERRIES,  
RASPBERRIES, AND  
BLACKBERRIES**

**DUPONT™ MATRIX® SG Herbicide**

EPA Reg. No. 352- 768

**FOR USE IN BLUEBERRIES, RASPBERRIES,  
AND BLACKBERRIES**

This supplemental labeling expires on February 1, 2015 and must not used or distributed after this date.

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling. DuPont™ MATRIX® SG must be used only in accordance with instructions on this label or in separate published DuPont instructions.

DuPont will not be responsible for losses or damages resulting from the use of this product in any manner not specifically stated on this label or other labels or bulletins published by DuPont. User assumes all risk associated with such non-specified use.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**APPLICATION INFORMATION**

MATRIX™ SG is most effective when applied preemergence or early postemergence to actively growing weeds. If weeds have emerged at the time of application, use an adjuvant (non-ionic surfactant at 1 quart/100 gallons, or crop oil/methylated seed oil at 1 gallon per 100 gallons of spray mix) with MATRIX® SG to improve foliar uptake and translocation.

To optimize residual weed control, MATRIX® SG must be moved into the soil via rainfall or overhead irrigation. The best residual control is obtained when at least 0.5 inches of rain or overhead irrigation comes within the first week after application.

**BLUEBERRY (High Bush)**

For broadcast applications, make a single application of MATRIX® SG preemergence or early postemergence to

actively growing weeds at 4 ounces per acre. Use a directed spray application adjusted to provide complete coverage of the weeds while minimizing the amount of spray coming into contact with the blueberry plants. When applied as a banded treatment (50% band or less), MATRIX® SG may be applied twice per year. Allow a minimum of 30 days between applications.

Application made after bud break may cause temporary chlorosis and/or stunting of leaves contacted by the spray.

Use MATRIX® SG on high bush blueberries that have gone through at least one growing season and are in good health and vigor. MATRIX® SG may be applied in tank mixture with other herbicides registered for use in high bush blueberries.

- Do not apply by air.
- Do not use on soils classified as Sand.
- Do not apply within 21 days of first harvest.
- Do not apply more than 4 ounces per acre per year.

**BLUEBERRY (Low Bush)**

All applications of MATRIX® SG are to be applied in the Vegetative Year growth stage of low bush blueberries. Make a single broadcast application of MATRIX® SG preemergence or early postemergence to actively growing weeds at 4 ounces per acre. When applied as a banded treatment (50% treated band or less) MATRIX® SG may be applied twice per year. Allow a minimum of 30 days between applications.

For broadcast treatments, make the application prior to bud break of the blueberries. After bud break, use a directed spray application adjusted to provide complete coverage of the weeds while minimizing spray contact with the blueberry plants.

Application made after bud break may cause temporary chlorosis and/or stunting of foliage contacted by the spray.

Use MATRIX® SG on low bush blueberries that have gone through at least one growing season and are in good health and vigor.

MATRIX® SG may be applied in tank mixture with other herbicides registered for use in low bush blueberries.

- Do not apply by air.
- Do not use on soils classified as Sand.
- Do not apply within 21 days of first harvest.
- Do not apply more than 4 ounces per acre per year.

**RASPBERRY AND BLACKBERRY**

For broadcast applications, make a single application of MATRIX® SG preemergence or early postemergence to actively growing weeds at 4 ounces per acre. Use a directed spray application adjusted to provide complete coverage of the weeds while minimizing the amount of spray coming into contact with the caneberry plants. When applied as a banded treatment (50% band or less), MATRIX® SG may be applied twice per year. Allow a minimum of 30 days between applications.

- Do not apply by air.
- Do not use on soils classified as Sand.
- Do not apply within 21 days of first harvest.
- Do not apply more than 4 ounces per acre per year.

**Crop Age for Application**

Apply MATRIX® SG to raspberries that have been established for at least one growing season and are in good health and vigor. For blackberries apply after plantings have gone through at least two growing seasons and are in good health and vigor. See precautions.

**Crop Grown Stage**

For Every-year Bearing Crops:

To reduce the risk of injury to primocanes, apply before primocanes emerge in the spring, or wait until primocanes are approximately 3 feet tall or taller and make a directed application by adjusting the spray nozzles so that only the lower 12 inches of primocanes are exposed to the herbicide spray pattern. For blackberries that have trailing primocanes, apply before primocane emergence.

Alternate Year Bearing Crops:

Apply in the dormant period before canes start new growth or wait until new growth canes are several feet tall so that a directed application can be used. To avoid crop injury, do not apply over the top of canes once new growth had started. Once canes are approximately 3 feet tall or taller, a directed application can be

used provided the spray nozzles are adjusted so that only lower 12 inches of canes are exposed to the herbicide spray pattern.

MATRIX® SG may be applied in tank mixture with other herbicides registered for use in caneberries.

Precautions

If MATRIX® SG is applied over the top of emerged primocanes, injury to the primocanes may occur in the form of chlorosis and/or stunting of primocane growth and in severe situations, individual primocanes may die. To avoid injury to primocanes, apply before primocane emergence or wait until they are at least 3 feet tall before making a directed spray so that only the bottom 12 inches of primocanes are exposed to the herbicide spray pattern.

MATRIX® SG may cause damage to plants that are small and/or weak due to weed competition, poor soil conditions, disease, insect damage or other factors that can reduce plant health and vigor.

MATRIX® SG may cause damage to plants growing in areas that are poorly drained, or areas that are subject to saturated or anaerobic soil conditions for an extended period of time.

**IMPORTANT  
BEFORE USING DUPONT™ MATRIX® SG  
HERBICIDE, READ AND FOLLOW ALL  
APPLICABLE DIRECTIONS, RESTRICTIONS  
AND PRECAUTIONS ON THE EPA  
REGISTERED LABEL.**

This bulletin contains new or supplemental instructions for use of the product which may not appear on the package label, and may contain recommendations which are not appropriate for all geographies and weed control situations. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.