

352-556

1/12/2009

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

JAN 12 2009

Mr. Tim McPherson  
E.I. DuPont de Nemours & Company  
DuPont Crop Protection  
Stine-Haskell Research Center  
P. O. Box 30  
Newark, DE 19714-0030

Dear Mr. McPherson:

Subject: DuPont Matrix Herbicide (Expand NonCrop Use and Include Noncropland Restoration)  
EPA Registration No. 352-556  
Application Dated October 17, 2008

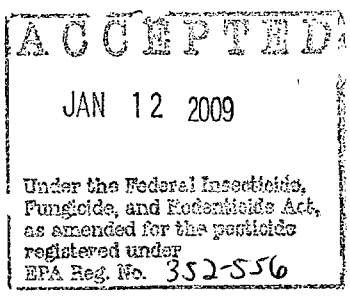
The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable. A stamped copy of labeling is enclosed for your records.

Supplemental labeling must be incorporated into master labeling and copies of master labeling submitted to the Agency for our files at your next printing or within two years from the date of acceptance of supplemental labeling, whichever comes first. The Agency will consider a convincing argument as to why a supplemental label should not appear on a master label on a case by case basis.

Sincerely,

*James A. Tompkins*  
James A. Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

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DuPont Crop Protection

# SUPPLEMENTAL LABELING

DUPONT™ MATRIX® HERBICIDE

FOR SELECTIVE WEED CONTROL IN NON-CROP SITES

## DUPONT™ MATRIX® HERBICIDE

EPA REG. NO. 352-556

### FOR SELECTIVE WEED CONTROL AND INVASIVE SPECIES MANAGEMENT IN NON-CROP SITES

#### GENERAL INFORMATION

DuPont™ MATRIX® Herbicide (MATRIX®) is a dry flowable formulation to be mixed with water and sprayed for weed control on private, public and military lands as follows: nonagricultural areas (such as airports, highway, railroad and utility rights-of-way, sewage disposal areas, etc.); uncultivated agricultural areas - non-crop producing (such as farmyards, fuel storage areas, fence rows, non-irrigation ditchbanks, barrier strips, etc.); industrial sites - outdoor (such as lumberyards, pipeline and tank farms, etc.) and non-cropland wildlife habitats.

#### INVASIVE SPECIES MANAGEMENT

This product may be used on public, private, and tribal lands to treat certain weed species infestations that have been determined to be invasive, consistent with the Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW) National Early Detection and Rapid Response (EDRR) System for invasive plants.

Effective EDRR systems address invasions by eradicating the invader where possible, and controlling them when the invasive species is too established to be feasibly eradicated. Once an EDRR assessment has been completed and action is recommended, a Rapid Response needs to be taken to quickly contain, deny reproduction, and if possible, eliminate the invader. Consult your appropriate state extension service, forest service, or regional multidisciplinary invasive species management coordination team to determine the appropriate Rapid Response provisions and allowed treatments in your area.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Continuous agitation is required to maintain the product in suspension in the spray tank. MATRIX® is non-corrosive to

spray equipment, non-flammable and non-volatile. Do not use MATRIX® in a spray solution or with spray additives that buffer the pH to below 4.0, or above 8.0, as degradation of MATRIX® may occur.

MATRIX® may be used in weed management programs on non-crop sites to provide residual preemergence and early postemergence control of the following weeds:

- |                      |                                   |
|----------------------|-----------------------------------|
| Barnyardgrass        | <i>Echinochloa crus-galli</i>     |
| Brome, downy         | <i>Bromus tectorum</i>            |
| Crabgrass, large     | <i>Digitaria sanguinalis</i>      |
| Foxtail, giant       | <i>Setaria faberi</i>             |
| Foxtail, green       | <i>Setaria viridis</i>            |
| Foxtail, yellow      | <i>Setaria glauca</i>             |
| Filaree redstem      | <i>Erodium cicutarium</i>         |
| Fleabane, hairy      | <i>Conyza bonariensis</i>         |
| Mallow, common       | <i>Malva neglecta</i>             |
| Marestail/horseweed* | <i>Conyza canadensis</i>          |
| Medusahead           | <i>Taeniatherum caput-medusae</i> |
| Mustard, black       | <i>Brassica nigra</i>             |
| Pigweed, redroot     | <i>Amaranthus retroflexus</i>     |
| Pigweed, smooth      | <i>Amaranthus hybridus</i>        |
| Puncturevine         | <i>Tribulus terrestris</i>        |

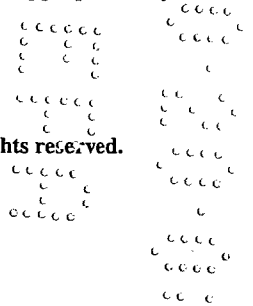
\*Naturally occurring resistant biotypes of this weed are known to exist in some areas of the U.S. MATRIX® will not control these biotypes.

Refer to the MATRIX® product label for additional weeds controlled.

To provide a broader spectrum of residual weed control, MATRIX® may be applied in a tank mixture with other registered preemergence herbicides. When weeds are present at application, include a labeled burn down herbicide, such as glyphosate, or glufosinate, with an appropriate adjuvant.

For product information call: 1-888-6-DUPONT  
Internet address: [www.dupont.com/ag/us](http://www.dupont.com/ag/us)

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For best results, make postemergence applications to young, actively growing weeds and include a spray adjuvant. Refer to the label of the tank mixture partner(s) for any additional use instructions or restrictions. Follow the most restrictive labeling of any of the tank-mix component products.

**TANK MIXTURES**

MATRIX® may be tank mixed with other herbicides registered for non-crop use. It may also be tank-mixed with any adjuvants registered for non-crop use. Refer to the label of the tank mix partner(s) for any additional use instructions or restrictions.

**APPLICATION INFORMATION**

Apply MATRIX® at 4.0 ounces broadcast per acre. Do not apply more than 4.0 ounces of MATRIX® per acre per year.

For best preemergence residual activity, MATRIX® must be activated by rainfall and applied when soil temperatures are cool. Make applications to take advantage of normal rainfall patterns (minimum of 1/2 inch) and cooler temperatures. For best results, moisture for activation should occur within 2-3 weeks after application.

To help ensure uniform coverage, use a minimum of 10 gallons of spray solution per acre. Nozzle selection should meet manufacturer's spray volume and pressure recommendations for preemergence or postemergence herbicide applications.

MATRIX® may be applied using ground or aerial spray equipment. Fixed wing aircraft and helicopters can be used to apply MATRIX®, however, do not make applications by fixed wing aircraft unless appropriate buffer zones can be maintained to prevent spray drift out of the target area or, when treating open tracts of land, spray drift as a result of fixed wing aircraft application can be tolerated. Aerial equipment designed to minimize spray drift, such as a helicopter equipped with a Microfoil™ boom or raindrop nozzles, must be used and calibrated. Except when applying with a Microfoil™ boom, a drift control agent may be added at the labeled rate.

**NON-CROPLAND RESTORATION**

MATRIX® is labeled for the control of downy brome (cheat-grass), medusahead and certain broadleaf weeds in non-cropland. In order to release desirable, perennial grass species for site restoration, MATRIX® may be applied at 3.0 to 4.0 ounces of product per acre in the fall, within 6 weeks before the expected date when the soil freezes. Use the higher rate for medusahead control.

To provide broader spectrum broadleaf weed control in non-crop land restoration a tank mixture of MATRIX® and TELAR® XP may be used. Include TELAR® XP at the use rate of 0.5 ounce per acre. Refer to the TELAR® XP label for specific weeds controlled.

**USE PRECAUTIONS AND RESTRICTIONS**

Treatment of powdery, dry soil or light, sandy soil when there is little likelihood of rainfall soon after treatment may result in off target movement and possible damage to susceptible crops when soil particles are moved by wind or water. Injury to crops may result if treated soil is washed, blown, or moved onto land used to produce crops. Exposure to MATRIX® may injure or kill most crops. Injury may be more severe when the crops are irrigated. Do not apply MATRIX® when these conditions are identified and powdery, dry soil or light or sandy soil are known to be prevalent in the area to be treated.

Preemergence use on soils containing more than 6% organic matter may result in reduced weed control.

Avoid spray drift to any adjacent crops, or planned crop planting areas, or desirable plants since injury may occur.

Draining or flushing equipment on or near desirable trees or other plants, or in areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots may injure these plants.

Crops (especially crops other than pome fruit, tree nuts, stone fruit, citrus, grapes, potatoes, tomatoes, and field corn) whose roots extend into a treated area may be injured.

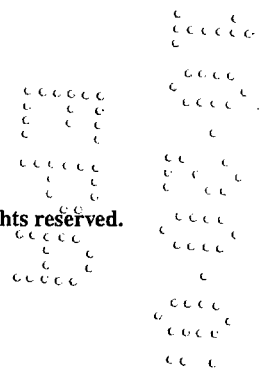
Where food and/or feed crops are grown, or in areas where food and/or feed crops are planned to be grown, care should be taken to prevent any direct spray of MATRIX® onto, or drift to, these crops or planned planting areas since severe crop injury may occur.

Do not contaminate any body of water, including irrigation water that may be used on other crops.

Do not apply in or on irrigation canals or ditches including their outer banks.

Do not apply when the soil is frozen.

If non-crop sites treated with MATRIX® are to be converted to an agriculture use, consult the MATRIX® package label for all rotational crop instructions.



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**IMPORTANT**

**BEFORE USING MATRIX®, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.**

This bulletin contains new or supplemental instructions for use of this product which do not appear on the EPA-registered package label. Follow the instructions carefully.

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

Read the Limitation of Warranty and Liability on the Section 3 Federal product label before buying or using this product. If terms are not acceptable, return the unopened package at once to Seller for full refund of purchase price paid. Otherwise, use by Buyer or any other User constitutes acceptance of the terms of the Limitation of Warranty and Liability on the Section 3 Federal product label.

DR-861 101508

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