



**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Pesticide Programs**  
**Registration Division (7505P)**  
**Ariel Rios Building**  
**1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460**

EPA Reg. Number:

352-794

Date of Issuance:

AUG 31 2010

**NOTICE OF PESTICIDE:**

- Registration
  - Reregistration
- (under FIFRA, as amended)

Term of Issuance: **Conditional**

Name of Pesticide Product:

DuPont DPX-MAT28 50SG Turf Herbicide

Name and Address of Registrant (include ZIP Code):

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

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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 product is conditionally registered in accordance with FIFRA provided that you:

1. Submit and/or cite all data required for registration review of your product when the Agency requires all registrants of similar products to submit data.
2. Submit the following product chemistry studies within **one (1) year** from the date of this notice:
  - a. Guideline 830.6317: Storage Stability
  - b. Guideline 830.6320: Corrosion Characteristics
3. Submit the required data as stated in items 2-4 on the technical chemical registrations for DuPont Aminocyclopyrachlor Technical (Reg. No. 352-782) and DuPont Aminocyclopyrachlor Methyl Technical (Reg. No. 352-783).
4. Make the following changes to the label:
  - a. On page 1 under PPE, change "Mixers and loaders must wear" to "Applicators and other handlers must wear". Remove the text "Applicators: After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment (PPE)."
  - b. On page 2 under ENVIRONMENTAL HAZARDS, change the sentence to read "Do not contaminate water when disposing of equipment washwaters or rinsate."

Continued on Page 2

Signature of Approving Official:

Jim Tompkins  
 Product Manager 25  
 Herbicide Branch  
 Registration Division (7505P)

Date:

AUG 31 2010

2/11

- c. On page 2 under Surface Water Advisory, correct the typo in the phrase to read “well-maintained”.
- d. On page 3, remove the statement “DPX-MAT28 50SG turf herbicide may be applied up to the edge of water bodies, including streams, lakes, ponds, etc.”
- e. On page 6, change the heading from “Application Restrictions for Sod Farms” to “Application Restrictions for Sod Farms and Turf (except residential, institutional, or industrial)”
- f. On page 7 under RESTRICTIONS, change the 16<sup>th</sup> bullet to read “Do not use grass clippings from treated areas for mulch or compost, or allow for collection to composting facilities. Grass clippings must either be left on the treated area, or if allowed by local yard waste regulations, disposed of in the trash. Applicators must give verbal or written notice to property owner/property manager/residents to not use grass clipping from treated turf for mulch or compost.”
- g. On page 8, change the heading from “PESTICIDE CONTAINER STORAGE” to “PESTICIDE STORAGE”.
- h. On page 8 under For Refillable Fiber Drums With Liners, change the 2<sup>nd</sup> sentence to read “Refill this container with DPX-MAT28 50SG turf herbicide containing aminocyclopyrachlor only.” Change the 12<sup>th</sup> sentence to read “Then offer the container for recycling if available or dispose of container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning.”
- i. On page 9 under For All Other Refillable Containers, change the section of text to read “Refillable container. Refill this container with DPX-MAT28 50SG turf herbicide containing aminocyclopyrachlor only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the disposing of the container...Repeat this rinsing procedure two more times. Then offer the container for recycling if available or dispose of container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. Prior to refilling, inspect carefully for damage...”

The basic confidential statement of formula (CSF) dated August 11, 2010 is acceptable.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of the revised final printed label before you release the product for shipment. Products shipped after eighteen (18) months from the date of this notice or the next printing of the label, whichever occurs first, 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.

Enclosure

# DuPont™ DPX-MAT28 50SG

## TURF HERBICIDE

### Professional Products

GROUP	4	HERBICIDE
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Soluble Granule

#### INTENDED FOR USE BY COMMERCIAL APPLICATORS ONLY

DPX-MAT28 50SG Turf Herbicide provides selective broadleaf weed control in cool season and certain warm season turfgrasses on Lawns (Residential, Industrial and Institutional), Golf Courses, Parks, Cemeteries, Athletic Fields, and Sod Farms.

- Controls major broadleaf weeds including dandelion, clover, plantains, wild violet and ground ivy
- Controls many other important annual and perennial broadleaf weeds
- Low application rates
- Flexible, virtually odorless, non-irritating formulation

<i>Active Ingredient</i>	<i>By Weight</i>
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Aminocyclopyrachlor: 6-amino-5-chloro-2- cyclopropyl-4- pyrimidinecarboxylic acid	50.0%
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<i>Other Ingredients</i>	50.0%
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TOTAL	100.0%
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EPA Reg. No. 352-794      EPA Est. No. \_\_\_\_\_

[Refillable Container]

Or

[Nonrefillable Container]

Net contents: \_\_\_\_\_

E. I. du Pont de Nemours and Company

1007 Market Street

Wilmington, Delaware 19898

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

AUG 31 2010

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

352-794

### KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes or clothing.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers and loaders must wear:

- Long-sleeved shirt and long pants, and
- Shoes plus socks

Applicators: After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment (PPE).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### ENGINEERING CONTROLS

When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

**USERS SHOULD:** Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.



The miracles of science™

### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment rinsate.

#### Surface water advisory:

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months after application. A level, wellmaintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of aminocyclopyrachlor from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

#### Groundwater advisory:

Aminocyclopyrachlor has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable).

This product may be used on sod farms that are covered by the WPS.

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 State or Tribal agency responsible for pesticide regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls,
- Chemical-resistant gloves made of any waterproof material, and
- Shoes plus socks

### DIRECTIONS FOR USE

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

Read and understand the entire label before using this product.

DuPont™ DPX-MAT28 50SG turf herbicide must be used only in accordance with directions on this label or in separate DuPont supplemental labeling that may be made temporarily available through local distributors, as a result of new EPA approvals. 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 risks associated with such non-specified use.

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides, 40 CFR part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Professional applications to golf courses, residential, industrial and commercial lawns and sports fields are not within the scope of the Worker Protection Standard.

Do not allow other workers to enter the treated area while application is in progress. Keep pets and unprotected persons out of treated areas until sprays have dried.

### PRODUCT INFORMATION

DPX-MAT28 50SG turf herbicide is a water soluble granule that is mixed in water and applied as a spray. DPX-MAT28 50SG turf herbicide must only be applied with ground equipment for selective control of broadleaf weeds in turfgrass. DPX-MAT28 50SG turf herbicide provides preemergence and/or postemergence control of the b

roadleaf weeds listed on this label. Use postemergence applications when targeting perennial species.

DuPont™ DPX-MAT28 50SG turf herbicide is registered for use on turfgrasses that are being grown for aesthetic or recreational purposes or climatic modification in or around home lawns, residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, parks, playgrounds, schools, day-care facilities, golf courses, athletic fields, other landscaped areas and sod farms.

DPX-MAT28 50SG turf herbicide is quickly taken up by the leaves, stems and roots of plants. DPX-MAT28 50SG turf herbicide has excellent soil activity. The effects of DPX-MAT28 50SG turf herbicide may be seen on weeds from within a few hours to a few days after application. The most noticeable symptom is a bending and twisting of stems and leaves. Other advanced symptoms include severe necrosis, stem thickening, growth stunting, leaf crinkling, calloused stems and leaf veins, leaf-cupping, and enlarged roots. Complete death of the weeds may require four to six weeks.

This product can affect susceptible broadleaf plants directly through application to the foliage, stems and trunks as well as indirectly by root uptake from treated soils. Do not apply this product directly to, or allow spray drift to come in contact with, ornamental groundcovers, foliage plants, flowers, trees, shrubs, nearby crop plants or other desirable plants; or to the soil where potentially sensitive plants will be planted during the same season. Do not exceed specified application rates for any area and particular care must be taken within the dripline of trees and shrubs or other ornamental plants.

DPX-MAT28 50SG turf herbicide must be mixed with water before application. DPX-MAT28 50SG turf herbicide is rain-fast immediately after application. DPX-MAT28 50SG turf herbicide may be applied up to the edge of water bodies, including streams, lakes, ponds, etc. Do not apply DPX-MAT28 50SG turf herbicide directly to water. DPX-MAT28 50SG turf herbicide is non-volatile and non-corrosive to spray equipment.

Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

**TURFGRASS APPLICATION**

DPX-MAT28 50SG turf herbicide may be applied to the following established turfgrass species:

**Established Cool Season Turfgrasses**

<b>Common Name</b>	<b>Scientific Name</b>
Bentgrass <sup>1,2</sup>	<i>Agrostis spp.</i>
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue, Chewing	<i>Festuca rubra commutata</i>
Fescue, Creeping Red	<i>Festuca rubra</i>
Fescue, Sheep	<i>Festuca ovina</i>
Fescue, Tall	<i>Festuca arundinaceae</i>
Ryegrass, Perennial	<i>Lolium perenne</i>

**Established Warm Season Turfgrasses<sup>3,4</sup>**

<b>Common Name</b>	<b>Scientific Name</b>
Bahiagrass	<i>Paspalum notatum</i>
Centipedegrass <sup>1</sup>	<i>Eremochloa ophiuroides</i>
Zoysiagrass <sup>1</sup>	<i>Zoysia japonica</i>

<sup>1</sup> Do not apply to these turfgrass species unless potential turfgrass injury can be tolerated. When treating these turfgrass species, do not apply more than 1.5 ounces of DPX-MAT28 50SG turf herbicide per acre. To minimize the potential for turfgrass injury, a treatment interval of at least 28 days should be used on these species. Avoid swath overlaps.

<sup>2</sup> Do not apply DPX-MAT28 50SG turf herbicide to golf course greens.

<sup>3</sup> Do not treat warm season turfgrasses with DPX-MAT28 50SG turf herbicide when mowing height is less than 1/2 inch.

<sup>4</sup> The use of DPX-MAT28 50SG turf herbicide in the spring when warm season turfgrass is breaking dormancy may delay green-up of the turfgrass.

**Application to Turfgrass Species Not Listed On This Label**

Users who wish to use DPX-MAT28 50SG turf herbicide on a turfgrass species that is not listed on this label may determine the suitability for such uses by treating a small area at a specified application rate. Prior to treatment of larger areas, the treated area should be observed for any signs of herbicidal injury during 30 days of normal growing conditions to determine if the treatment is safe to the target species. The user assumes the responsibility for any plant damage or other liability resulting from use of DPX-MAT28 50SG turf herbicide on a turfgrass species not listed on this label.

**Avoiding Spray Drift**

Apply DPX-MAT28 50SG turf herbicide in a manner that will avoid contacting nearby susceptible crops or other desirable plants with spray droplets. Applications must be made only when the risk of spray drift is at a minimum. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants including ornamental trees and shrubs. Do not apply when the wind will carry spray mist toward susceptible crops or ornamental plants.

**Drift Management Recommendations**

Spray drift can be substantially reduced by keeping the spray boom as low to the ground as possible; by applying no less than 20 gallons of spray solution per acre (except when using Low Volume Applications – see below); by using the manufacturer’s minimum recommended spray pressures for the specific nozzle type selected; and by making applications when the wind velocity is low (follow state regulations). For hand-gun applications, use the minimum pressure that is required to obtain adequate coverage without forming a mist.

**TABLE 1: TURF APPLICATION RATES AND WEEDS CONTROLLED**

Target Weed	Scientific Name	Footnote	Product per Acre	Product per 1,000 Square Feet	Pounds per acre
					Active Ingredient
Black Medic	<i>Medicago lupulina</i>		1.5 oz.	0.034 oz.	0.047
Brazilian Catsear	<i>Hypochoeris brazil</i>				
Carolina Geranium	<i>Geranium carolinianum</i>				
Cinquefoil	<i>Potentilla simplex</i>				
Clover, Hop	<i>Trifolium aureum</i>				
Clover, Large Hop	<i>Trifolium campestre</i>				
Clover, Small Hop	<i>Trifolium dubium</i>				
Clover, White	<i>Trifolium repens</i>				
Common Vetch	<i>Vicia sativa</i>				
Cudweed, Narrowleaf	<i>Gnaphalium falcatum</i>				
Cudweed, Purple	<i>Gnaphalium purpureum</i>				
Curly Dock	<i>Rumex crispus</i>				
Dollarweed	<i>Hydrocotyle spp.</i>				
Facelis	<i>Facelis retusa</i>				
Field Pansy	<i>Viola arvensis</i>				
Florida Betony	<i>Stachys floridana</i>				
Goldenrod	<i>Solidago sp.</i>				
Ground Ivy	<i>Glechoma hederacea</i>				
Lawn Pennywort	<i>Hydrocotyle sibthorpioides</i>				
Lespedeza, Common	<i>Lespedeza striata</i>				
Matchweed (Mat Lappia)	<i>Phyla nodiflora</i>				
Moneywort	<i>Lysimachia nummularia</i>				
Stillgrass, Japanese	<i>Microstegium vimineum</i>				
Annual Blueeyedgrass	<i>Sisyrinchium rosulatum</i>		2.25 oz.	0.052 oz.	0.07
Canada Thistle	<i>Cirsium arvense</i>				
Chamberbitter	<i>Phyllanthus urinaria</i>				
Chickweed, Common	<i>Stellaria media</i>				
Chickweed, Mouseear	<i>Cerastium vulgatum</i>	1			
Dandelion	<i>Taraxacum officinale</i>				
Dandelion, Catsear	<i>Hypochoeris radicata</i>				
Dichondra	<i>Dichondra sp.</i>				
Dogfennel	<i>Eupatorium capillifolium</i>				
Dollarweed	<i>Hydrocotyle spp.</i>				
Florida Pusley	<i>Richardia scabra</i>	2			
Hairy Bittercress	<i>Cardamine hirsuta</i>				
Henbit	<i>Lamium amplexicaule</i>				
Knawel	<i>Scleranthus annuus</i>				
Lawn Burweed	<i>Soliva pterosperma</i>				
Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>				
Plantain, Broadleaf	<i>Plantago major</i>				
Plantain, Buckhorn	<i>Plantago lanceolata</i>				
Poison Ivy	<i>Toxicodendron radicans</i>				
Purple Deadnettle	<i>Lamium purpureum</i>				
Purslane, Common	<i>Portulaca oleracea</i>				
Purslane, Pink	<i>Portulaca pilosa</i>				
Speedwell, Corn	<i>Veronica arvensis</i>	1			
Spotted Spurge	<i>Euphorbia maculata</i>	1			
Violet, Wild	<i>Viola sp.</i>				
Virginia Buttonweed	<i>Diodia virginiana</i>	1,3			

**Footnote 1:** Sequential applications using a 4 to 6 week interval may be required to adequately control this weed.  
**Footnote 2:** Sequential applications using a 4 to 6 week interval are required to adequately control this weed.  
**Footnote 3:** Early season applications perform best. Treatments applied after flowering may require a second application.

**TABLE 2: TURF APPLICATION MIXING CHART**

Application Volume		Turf Application Rates			Ounces of DuPont™ MAT28 50SG turf herbicide diluted to these volumes of finished spray			
Gallons per 1,000 Square Feet	Gallons per Acre	Product per Acre	Product per 1,000 Square Feet	lb A/A	1 gallon	10 gallons	50 gallons	100 gallons
0.5	21.78	1.5 oz.	0.034 oz.	0.047	0.068	0.68	3.4	6.8
		2.25 oz.	0.052 oz.	0.07	0.104	1.04	5.2	10.4
		3 oz.	0.068 oz.	0.094	0.136	1.36	6.8	13.6
1	43.56	1.5 oz.	0.034 oz.	0.047	0.034	0.34	1.7	3.4
		2.25 oz.	0.052 oz.	0.07	0.052	0.52	2.6	5.2
		3 oz.	0.068 oz.	0.094	0.068	0.68	3.4	6.8
2	87.12	1.5 oz.	0.034 oz.	0.047	NA	0.17	0.85	1.7
		2.25 oz.	0.052 oz.	0.07	NA	0.26	1.3	2.6
		3 oz.	0.068 oz.	0.094	NA	0.34	1.7	3.4
3	130.68	1.5 oz.	0.034 oz.	0.047	NA	0.11	0.57	1.13
		2.25 oz.	0.052 oz.	0.07	NA	0.17	0.87	1.73
		3 oz.	0.068 oz.	0.094	NA	0.23	1.13	2.27
4	174.24	1.5 oz.	0.034 oz.	0.047	NA	0.09	0.43	0.85
		2.25 oz.	0.052 oz.	0.07	NA	0.13	0.65	1.30
		3 oz.	0.068 oz.	0.094	NA	0.17	0.87	1.74
5	217.80	1.5 oz.	0.034 oz.	0.047	NA	0.07	0.34	0.68
		2.25 oz.	0.052 oz.	0.07	NA	0.10	0.52	1.04
		3 oz.	0.068 oz.	0.094	NA	0.14	0.68	1.36

Note: To convert from ounces to grams, multiply by 28.35

## APPLICATION RATES FOR LAWNS, GOLF COURSES AND OTHER TURFGRASS AREAS

Apply 1.5 to 2.25 ounces of DuPont™ DPX-MAT28 50SG turf herbicide per acre in sufficient water to provide thorough coverage of the treated area. Use properly calibrated application equipment that will produce a uniform, coarse droplet spray (>250 microns) as defined by ASABE S572 standard, using a low pressure setting to eliminate off target drift. Do not apply more than 9 ounces of DPX-MAT28 50SG turf herbicide (0.28 lb ai) per acre per year in broadcast applications to turfgrass.

On cool season turfgrasses, including Kentucky bluegrass, perennial ryegrass, tall fescue and fine fescue, when applications will not be made within 5 feet of ornamental groundcovers, foliage plants, flowers, trees, shrubs or other desirable plants, DPX-MAT28 50SG turf herbicide may be applied at 3 ounces of product per acre.

Avoid overlapping of the spray pattern, which could result in higher than directed application rates. Application rates above those directed on this label could result in turf injury.

### Application Restrictions for Sod Farms

Maintain a 25-foot buffer around non-target aquatic areas and between the point of direct application and the closest downwind edge of non-target terrestrial areas. Apply only using nozzles which will deliver coarse or greater (VMD >250 microns) droplets as defined by ASABE S572 standard. Do not apply with a nozzle height greater than 4 feet above the ground or crop canopy. Do not apply when wind speed is greater than 10 mph. Do not apply during a temperature inversion.

### Standard Broadcast Application

Apply 1.5 to 2.25 ounces of DPX-MAT28 50SG turf herbicide in sufficient water to deliver from 0.5 to 5 gallons of spray solution per 1,000 square feet (21.78 to 217.8 gallons per acre). Higher application volumes may be used when DPX-MAT28 50SG turf herbicide is tank-mixed with liquid fertilizers.

### Low Volume Application

Apply 1.5 to 2.25 ounces of DPX-MAT28 50SG turf herbicide in sufficient water to deliver from 1/8 to 1/2 gallons of spray solution per 1,000 square feet. (5.5 to 21.78 gallons per acre). Use low pressures and application equipment capable of delivering a uniform droplet size that can adequately wet the weed leaf surface. Do not apply using Ultra Low Volume (ULV) application equipment.

### Spot Treatment Using Portable Sprayers

Mix 0.034 to 0.052 ounces (1.0 to 1.5 grams) of DPX-MAT28 50SG turf herbicide in 1 gallon of water and apply to broadleaf weeds by wetting the foliage to point of runoff. One gallon of spray solution will treat approximately 1,000 square feet of turfgrass.

### Newly Seeded Turfgrass

DPX-MAT28 50SG turf herbicide is an effective herbicide for broadleaf weed control immediately prior to or after seeding of cool season turfgrasses (except bentgrass) during turf renovations. DPX-MAT28 50SG turf herbicide will control many broadleaf weeds that compete with and slow the establishment of cool season turfgrass stands. Apply 1.5 to 2.25 ounces of DPX-MAT28 50SG turf herbicide in

sufficient water to deliver from 0.5 to 5 gallons of spray solution per 1,000 square feet (21.78 to 217.8 gallons per acre). Apply at grass seeding for best performance. DPX-MAT28 50SG turf herbicide may be applied to seedling cool season turfgrasses (except bentgrass) at any time after germination.

## APPLICATION EQUIPMENT

Application equipment must be clean and free from previous pesticide deposits before mixing DPX-MAT28 50SG turf herbicide.

### Mixing Directions:

1. Use clean, well maintained and properly calibrated application equipment.
2. Fill sprayer tank 1/4 to 1/2 full of water.
3. Start mechanical or hydraulic agitation. Do not use air agitation.
4. Add DPX-MAT28 50SG turf herbicide directly to the sprayer tank.
5. Mix thoroughly to fully disperse DPX-MAT28 50SG turf herbicide and continue agitation to keep the product in suspension.
6. Add the remaining volume of water required for application.

## TANK-MIXTURES

### Tank-mixtures with other pesticides and liquid fertilizers:

DPX-MAT28 50SG turf herbicide may be tank-mixed with other pesticides and liquid fertilizers (including liquid iron products). Perform a small scale compatibility test prior to mixing products in the spray tank of application equipment. When tank-mixing DPX-MAT28 50SG turf herbicide, observe all precautions and limitations on each product label. Do not exceed any label application rates. DPX-MAT28 50SG turf herbicide must not be tank-mixed with any product containing a label prohibition against such mixing. All State and Federal regulations relating to the application of liquid fertilizers or liquid iron and this product must be strictly followed. The physical compatibility of DPX-MAT28 50SG turf herbicide will vary with different sources of other pesticide and liquid fertilizer products as well as local cultural practices. For a tank-mixture test, prepare the desired mixture on a small scale (pint or quart jar) using the proper proportions of pesticides and/or fertilizers and water to ensure the physical compatibility of the mixture. Add water and the desired products to the jar following the sequence listed below. Then close the jar, shake it well and observe the mixture for several seconds. Check the mixture again after 30 minutes. If the mixture shows no signs of separating, thickening, forming a gel or foaming excessively, then the combination may be used.

### Tank-mixing Sequence:

Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water soluble bags
2. DuPont™ DPX-MAT 28 50SG and other water soluble or dispersible granules



3. Wettable powders
4. Water-based suspension concentrates (Flowables)
5. Water soluble concentrates
6. Oil-based suspension concentrates (Flowables)
7. Emulsifiable concentrates
8. Adjuvants, surfactants and oils
9. Soluble fertilizers
10. Drift retardants

#### **Turfgrass tolerance to tank-mixtures:**

Certain turfgrass species or varieties may be sensitive to tank-mixtures of herbicides with other pesticides and/or liquid fertilizers. If local experience is not available, then a small area of the turfgrass in question should be treated with the tank-mixture and observed for injury during 30 days of normal growing conditions to determine if the treatment is safe before making widespread applications to the target species/variety.

#### **APPLICATION EQUIPMENT CLEANING**

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that might become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, booms and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean equipment near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

#### **RESISTANCE MANAGEMENT**

When herbicides that affect the same physiological site of action are used repeatedly over several years to control the same weed species in the same location, naturally-occurring resistant biotypes may survive a properly applied herbicide treatment, propagate, and become predominant in that location. Adequate control of these resistant weed biotypes cannot be expected from herbicides that target the same site of action. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product that affects a different site of action. To manage herbicide resistance, it may be necessary to tank-mix this product and/or make sequential applications with herbicides that have a different site of action. Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding herbicide resistance management.

#### **INTEGRATED PEST MANAGEMENT**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, chemical and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your local DuPont Professional Products representative, Cooperative Extension Service specialist or pest control advisor to determine

appropriate action threshold levels for specific weeds in your area.

#### **RESTRICTIONS**

- Do not formulate this product into other end-use products without written permission from DuPont Professional Products.
- Do not apply this product through any type of irrigation system.
- Do not apply this product with aerial application equipment.
- Do not apply this product in commercial nurseries or greenhouses.
- Do not apply more than 9 ounces of DPX-MAT28 50SG turf herbicide (equivalent to 0.28 lb ai) per acre per year in broadcast applications to turfgrass.
- Keep people and pets away from treated area until treatment has dried.
- Wait a minimum of 14 days to retreat.
- Do not apply this product to exposed roots of trees and shrubs.
- Do not apply to any ornamental bed.
- Do not apply this product directly to, or allow spray drift to come in contact with, ornamental groundcovers, foliage plants, flowers, trees, shrubs, nearby crop plants or other desirable plants; or to the soil where potentially sensitive plants will be planted during the same season.
- Do not exceed specified application rates for any area and particular care must be taken within the dripline of trees and shrubs or other ornamental plants.
- Do not apply where runoff or irrigation water may flow onto susceptible turfgrass, ornamental plants or crops as injury may result.
- Do not apply with a mist blower.
- Do not pour spray solutions near desirable plants.
- Do not use this product on golf course putting greens.
- Do not use grass clippings from treated areas for mulching or composting of desirable, susceptible broadleaf plants. Grass clippings must either be left on the treated area, or, if allowed by local yard waste regulations, disposed of in the trash. Applicators must give verbal or written notice to property owner/property manager/residents to not use grass clippings from treated turf for mulching or composting of desirable, susceptible broadleaf plants.
- Do not seed, sod, sprig, or plug treated area with warm season turfgrasses until at least 60 days after application.
- Do not apply to irrigation ditches or water used for irrigation or domestic purposes.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE CONTAINER STORAGE:** Do not subject to temperatures below 32°F. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING:

**Refer to the Net Contents section of this product's labeling for the applicable "Refillable Container" or "Nonrefillable Container" designation.**

#### **For Small (Capacity Equal to or Less Than 50 Pounds) Nonrefillable Plastic Containers:**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **For Large (Capacity Greater Than 50 Pounds)**

**Nonrefillable Plastic Containers:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **For Large (Capacity Greater Than 50 Pounds)**

**Nonrefillable Metal Containers:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**For Nonrefillable Paper or Plastic Bags or Fiber Sacks:** Nonrefillable container. Do not reuse or refill this container. Completely empty paper or plastic bag or fiber sack into manufacturing or application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling, if available or dispose of empty paper or plastic bag or fiber sack in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **For Nonrefillable Fiber Drums With Liners:**

Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer the liner for recycling if available or dispose of liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

**For Refillable Fiber Drums With Liners:** Refillable container (fiber drum only). Refill this container with [DuPont brand name of product] containing aminocyclopyrachlor only. Do not reuse this container for any other purpose. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer the liner for recycling if available or dispose of liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Cleaning the container (fiber drum) before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container (fiber drum) before final disposal, completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer the container for recycling if available or dispose of liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**For All Other Refillable Containers:** Refillable container. Refill this container with [DuPont brand name of product] containing aminocyclopyrachlor only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Do not transport if this container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

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## **LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read This Limitation of Warranty and Liability Before Buying or Using This Product. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from factors such as weather conditions, soil factors, off target movement, unconventional technique, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont or Seller. These risks can cause: ineffectiveness of the product or other unintended consequences. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

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**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHER LEGAL THEORY) RESULTING FROM THE STORAGE, USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

To the extent consistent with applicable law that allows such requirement, DuPont or its distributor must have prompt notice of any claim so that an immediate investigation of buyer's or user's claim can be made. Buyer and all users shall promptly notify DuPont or a DuPont distributor of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

**For product information call: 1-888-6-DUPONT (1-888-638-7668)**

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