

DIOMATH 6-EC  
 SELECTIVE HERBICIDE  
 FOR SOYBEANS, CORN, AND SWEET POTATOS

|                    |         |
|--------------------|---------|
| ACTIVE INGREDIENT: | 77.38%  |
| INERT INGREDIENTS: | 22.62%  |
| TOTAL              | 100.00% |

\* Contains 6 lbs. Active per gallon

EPA REG. NO. \_\_\_\_\_

NET CONTENT \_\_\_\_\_

CAUTION: KEEP OUT OF THE REACH OF CHILDREN.

HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION OF EYES,  
 NOSE, THROAT AND SKIN. AVOID INHALATION OF SPRAY MIST.  
 AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

IN CASE OF CONTACT, FLUSH WITH PLENTY OF WATER.  
 FOR EYES - GET MEDICAL ATTENTION.

DO NOT REUSE EMPTY CONTAINER. DESTROY EMPTY CONTAINER  
 BY PERFORATING OR CRUSHING AND BURYING IN A SAFE PLACE.

DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR  
 DISPOSAL OF WASTES.

KEEP AWAY FROM DOMESTIC ANIMALS AND FOODSTUFFS.

DO NOT USE. USE NEAR HEAD OR FEET PLANT.

DIOMATH 6-EC

WEEDS CONTROLLED BY PROMATE 6-FC

PROMATE 6-FC will not control established weeds.

#### ANNUAL GRASSES:

Parnassgrass (Watergrass) (*Echinochloa crusgalli*)  
 Crabgrass (*Digitaria* spp.)  
 Giant Foxtail (*Setaria faberii*)  
 Green Foxtail (*Setaria viridis*)  
 Wild Canes\* (*Sorghum bicolor*)  
 Johnsongrass Seedlings (*Sorghum halepense*)  
 Yellow Foxtail (*Setaria glauca*)  
 German Millet (*Setaria italica*)  
 Goosegrass (*Elousine indica*)

\*Cultivation is suggested in addition to the PROMATE 6-FC treatment in fields with moderate or heavy infestations of wild cane.

#### ANNUAL BROADLEAF WEEDS:

Carpetweed (*Molligo verticillata*)  
 Sicklegod (Coffee-weed) (*Cassia tora*)  
 Florida Pusley (*Richardia scabra*)  
 Lambsquarters (*Chenopodium album*)  
 Annual Morningglory (*Ipomoea purpurea*)  
 Smooth Pigweed (*Amaranthus retrofractus*)

Drift of Sugarbeet (*Beta vulgaris*)

Burdock (*Lactuca scariola*)

Velvetleaf (Buttonweed) (*Abutilon theophrasti*)

The above listed weeds are controlled by PROMATE 6-FC treatment. For best results, treatment should be applied at the time of germination and growth.

#### PERennial WEEDS:

Yellow Nutsedge (*Cyperus rotundus*)

Purple Nutsedge (*Cyperus rotundus*)

Trusting clouds of perennials, such as nutsedges, must be checked by hand. For best results, PROMATE 6-FC should be applied sub-surface to the soil, then the weeds should be cultivated. Cultivation is suggested in addition to the PROMATE 6-FC treatment in fields with moderate or heavy infestations of nutsedges.

#### GENERAL USE PRECAUTIONS:

PROMATE 6-FC should be used only for the control of weeds in corn and sorghum fields.

Applied according to directions on the label. For best results, apply PROMATE 6-FC in the early morning or late afternoon.

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Condition is only a temporary aid with application of PROMATE 6-FC.

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#### INCORPORATION DIRECTIONS

PROMATE 6-EC must be incorporated into the soil immediately (within minutes) to prevent loss of the herbicide. Whenever possible, application and incorporation should be done in the same operation.

**SOIL MIXING (INCORPORATION) BEFORE PLANTING:** Use power-driven cultivation equipment set to cut to a depth of 2 to 3 inches or tandem discs set to cut to a depth of 4 to 6 inches, operated at 4 to 6 mph, followed by a spike-toothed harrow or some other leveling device which extends beyond ends of the disc. For thorough mixing, disc in two different directions (across disc). Prior to the second disking, raise the disc to prevent cutting deeper than 4 to 6 inches.

**NOTE:** In the southern lower delta of the Mississippi Valley, disc incorporation is not recommended on the heavy (gumbo) clay soils.

**SOIL MIXING (INCORPORATION) AFTER PLANTING:** Use power-driven cultivation equipment set to cut to a depth of 2 inches, or on light soils only, a cult-driven tillage implement, such as a harrow, to a depth of 1½ inches and operated at 5 to 8 mph. When incorporating after planting, care must be taken not to disturb the seed and/or seedlings by adjusting tines or blades. If incorporation equipment is not available, the drill row

**SUBSURFACE APPLICATION BEFORE OR AT PLANTING** (For peanuts and soybeans only). Special equipment designed for subsurface applications **MUST** be used. Injector units must be rigidly mounted on or **IMMEDIATELY** ahead of **IMMEDIATELY** behind the planter unit. Sweeps must be mounted **IMMEDIATELY** ahead of the planter unit.

- (1) **Soil Injection** - Injector shanks must be spaced 2½ to 3 inches apart and mounted in staggered positions to avoid trash buildup. Set shanks to inject **PROMATE 6-EC** 1½ to 3 inches below the soil surface. The width of the band in which weed control is desired will determine the number and spacing of injector shanks required per row. (Example: four injector shanks spaced 3 inches apart gives a 12-inch band). A broadcast application can be made by increasing the number of shanks. The two shanks adjacent to the drill row must be 1½ to 1¾ inches on either side of it.
- (2) **Covered Sweeps** - Set the sweeps to run 3 to 4 inches below the soil surface. Calibrate by measuring the spray band width at the back edge of the sweep, not the sweep width. For Broadcast applications, stagger sweeps on double tool bar so that they overlap sufficiently to allow spray bands to meet.

**NOTE:** When applying the sweeps, **PROMATE 6-EC** must be applied deep enough to a low 3 to 4 inches of soil to remain over the treatment after the planting operation.

#### **PLANTING - SOYBEANS, PEANUTS**

Do not plant seed deeper than 2 inches. For **PROMATE 6-EC** applications made before planting, seeding can be done immediately.

If it is necessary to work the soil following application and incorporation, but before planting, do not work the soil deeper than the depth the herbicide was incorporated. To avoid removing **PROMATE 6-EC** from the row (with loss of weed control in the row) do not move or shape soil after treatment, such as by planting in deep furrows.

#### SOYBEANS

These recommendations are given in terms of broadcast (over-all) rates of PROMATE 6-EC per acre. For band or row application, reduce broadcast rates proportionately depending upon band width to be treated and row spacing.

**PLANES:** PROMATE 6-EC may be applied before planting, at planting or immediately after planting. When applying after planting, care must be taken not to disturb the seed. Broadcast rates per acre - 2 2/3 pints on sandy (light) soils; 3 1/3 pints on sandy loam to clay loam (medium to heavy) soils.

**NOTE:** The following recommendations are for soybeans grown in all areas except North Carolina, South Carolina, Georgia, Alabama, Florida and eastern Tennessee (Penn. River east). PROMATE 6-EC may be applied before planting, at planting, or immediately after planting. When applying at or after planting, care must be taken not to disturb the crop seed or seedlings. BROADCAST RATES PER ACRE - 2 2/3 pints on sandy (light) soils; 3 1/3 pints on sandy loam to clay loam (medium to heavy) soils.

For soybeans grown in the southeastern states including North Carolina, South Carolina, Georgia, Alabama, Florida and eastern Tennessee (Penn. River east). PROMATE 6-EC may be applied before planting, at planting, or immediately after planting. For incorporated applications made before planting, do not plant in deep furrows, or use slanks or other devices ahead of planter which bring up untreated soil to the surface. For furrow planted soybeans, apply PROMATE 6-EC at or immediately after planting in bands over the row and incorporate with row wheels only. When applying at or after planting, care must be taken not to disturb the crop seed or seedlings. BROADCAST RATES PER ACRE - 2 2/3 pints on sandy (light) soils; 3 1/3 pints on sandy loam to clay loam (medium to heavy) soils.

**NOTE:** In areas where beds are made prior to planting soybeans, PROMATE 6-EC may be applied in a band immediately ahead of the bedding discs, set to cover the PROMATE 6-EC with 3 to 4 inches of soil. If bed levelers are used before planting soybeans, make the beds higher to compensate for leveling, so 2 to 3 inches of soil remains over the treatment after the planting operation is done.

**SWEET POTATOES:** PROMATE 6-EC is not recommended on sweet potatoes in the state of New Jersey.

- A. For a broadcast bed-up application, apply 2 pints of PROMATE 6-EC per acre immediately ahead of bedding discs set to cover PROMATE 6-EC with 3 to 4 inches of soil.
- B. For a band bed-over application, reduce the broadcast rate (broadcast rate for this method is 4 pints per acre) proportionately depending upon band width and row spacing. Apply PROMATE 6-EC immediately ahead of bedding discs set to cover PROMATE 6-EC with 3 to 4 inches of soil. Set discs so that treated soil is not disturbed.

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2. The herbicide should be applied to the soil surface, and not to the plants, and should be applied before the plants are established. It should be applied in a band about 10 inches wide on each side of the plants.

Note: When the herbicide is applied to the soil surface, it should be applied in a band about 10 inches wide on each side of the plants. It should be applied before the plants are established.

PRECAUTION: The herbicide is grown in Virginia, Maryland, and Kentucky only. Apply and incorporate the herbicide before transplanting or setting plants. When applying the herbicide, the application rate should be adjusted so that PROMATE 6-EC-treated soil is thrown toward the plants in the row. Do not apply more than 4 quarts.

#### CULTURAL PRACTICES FOLLOWING APPLICATION

PROMATE 6-EC is not persistent in the soil, and any weeds that germinate later during the growing season may not be controlled. Shallow cultivation may be necessary to control these late-germinating weeds. Do not cultivate deeper than the depth of the herbicide incorporation. Recommended pre-emergence or post-emergence herbicides may be applied over the top of preplant incorporated applications of PROMATE 6-EC when needed to control weeds resistant to PROMATE 6-EC.

Manufactured for: ACETO CHEMICAL CO., INC.  
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