

EPA Reg. No. 241-268

FOR USE IN SUGARCANE GROWN IN HAWAII

OBSERVE ALL PRECAUTIONARY STATEMENTS, MIXING, SPRAYING AND APPLICATION INSTRUCTIONS, AND FOLLOW CROP RESTRICTIONS IN THE PENTAGON DG LEAFLET LABEL BEFORE USING. WHEN TANK MIXING, ALWAYS FOLLOW THE MOST RESTRICTIVE LABEL.

DIRECTIONS FOR USE

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

PENTAGON DG may be applied to plant or ratoon cane preemergence through layby.

APPLICATION INSTRUCTIONS

PENTAGON DG herbicide controls most annual grasses and certain broadleaf weeds as they germinate, but will not control established weeds. PENTAGON DG should be applied to rows free of weeds and trash.

PENTAGON DG may be applied twice per season, preemergence through layby, in plant or ratoon sugarcane. Applications may be band or broadcast. Although there may be adequate crop tolerance for postemergence applications at layby, the spray must be directed under the sugarcane canopy in order to obtain effective weed control.

DO NOT apply more than 10.0 pounds per acre of PENTAGON DG during one growing season.

DO NOT apply within 90 days of harvest.

Refer to the PENTAGON DG leaflet label for complete mixing instructions.

See below for spraying instructions. DO NOT apply this product through any type of irrigation system.

PENTAGON DG is not recommended for use on peat or muck soils.

BROADCAST RATES OF PENTAGON DG

Apply 3.3 to 6.67 pounds per acre of PENTAGON DG but DO NOT exceed 10.0 pounds per acre in one growing season. See spraying instructions below for calculation of band treatment rate.

*Trademark of American Cyanamid Company

Use the higher rates:

- for dark clay soils;
- if no mechanical incorporation is planned;
- if heavy weed populations are anticipated;
- or if no shaving is planned.

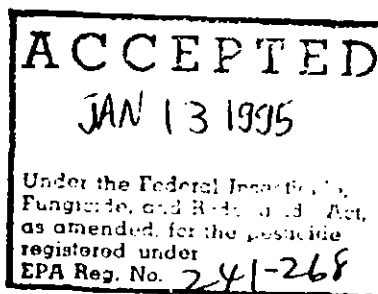
SPRAYING INSTRUCTIONS

GROUND APPLICATIONS

BROADCAST TREATMENT - Apply PENTAGON DG in 10 or more gallons of water or in 20 or more gallons of liquid fertilizer per acre. (Refer to the PENTAGON DG leaflet label for liquid fertilizer compatibility determinations.) Use a properly calibrated low-pressure (20 to 40 psi) sprayer equipped with appropriate spray nozzles to achieve uniform spray distribution and minimize drift. Keep the by-pass line on or near the bottom of the tank to minimize foaming. Nozzle screens must be no finer than 50 mesh.

BAND TREATMENT - Apply the broadcast equivalent rate and volume per acre. To determine these:

Band width in inches	X	Broadcast RATE per acre	=	Band RATE per acre
Row width in inches				
Band width in inches	X	Broadcast VOLUME per acre	=	Band VOLUME per acre
Row width in inches				



(See other side)

ping and possible crop injury. DO NOT make aerial applications at close intervals and do not use forage unless it can be obtained.

WEED SPECIES CONTROLLED

When applied as directed, PENTAGON DG will control the following grass and broadleaf weeds.

GRASSES

Barnyardgrass	(<i>Echinochloa crus-galli</i>)
Browntop panicum	(<i>Panicum fasciculatum</i>)
Crabgrass	(<i>Digitaria</i> spp.)
Fall panicum	(<i>Panicum dichotomiflorum</i>)
Foxtail (giant)	(<i>Setaria faberi</i>)
Foxtail (green)	(<i>Setaria viridis</i>)
Foxtail (yellow)	(<i>Setaria lutescens</i>)
Goosegrass	(<i>Eleusine indica</i>)
Guineagrass	(<i>Panicum maximum</i>)
Swollen fingergrass	(<i>Chloris inflata</i>)
Johnsongrass (from seed)	(<i>Sorghum halepense</i>)
Signalgrass	(<i>Brachiaria texanum</i>)
Texas Panicum	(<i>Panicum capiliare</i>)

BROADLEAF WEEDS

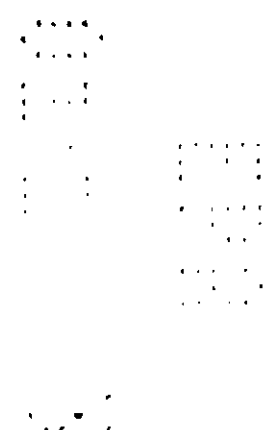
Carpetweed	(<i>Mollugo verticillata</i>)
Florida pusley	(<i>Richardia scabra</i>)
Lambsquarters	(<i>Chenopodium album</i>)
Pigweed	(<i>Amaranthus</i> spp.)
Purslane	(<i>Portulaca oleracea</i>)
Spurge, annuals	(<i>Euphorbia</i> spp.)

For additional broadleaf weed control, use PENTAGON DG in combination with any registered herbicide. Always check tank-mix compatibility with tank-mix partners prior to filling spray tank. Consult partner labels for correct use rates and label restrictions.

NOTE: DO NOT graze treated fields or feed treated forage or fodder to livestock.

This label must be in the possession of the user at the time of herbicide application.

PE- 12/1/94 SD



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FOR USE IN SUGARCANE
(DO NOT USE IN HAWAII)

OBSERVE ALL PRECAUTIONARY STATEMENTS, MIXING, SPRAYING AND APPLICATION INSTRUCTIONS, AND FOLLOW CROP RESTRICTIONS IN THE PENTAGON DG LEAFLET LABEL BEFORE USING. WHEN TANK MIXING, ALWAYS FOLLOW THE MOST RESTRICTIVE LABEL.

DIRECTIONS FOR USE

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

PENTAGON DG may be applied to newly planted or ratoon sugarcane preemergence through layby and again in late summer or early fall to the newly planted sugarcane.

APPLICATION INSTRUCTIONS

PENTAGON DG herbicide controls most annual grasses and certain broadleaf weeds as they germinate, but will not control established weeds. PENTAGON DG should be applied to rows free of weeds and trash.

PENTAGON DG may be applied preemergence through layby, to newly planted or ratoon sugarcane, and again in late summer or early fall to the newly planted sugarcane. Applications may be band or broadcast. Although there may be adequate crop tolerance for postemergence applications at layby, the spray must be directed under the sugarcane canopy in order to obtain effective weed control.

DO NOT apply more than 10.0 pounds per acre of PENTAGON DG during one growing season.

DO NOT apply within 90 days of harvest.

Refer to PENTAGON DG leaflet label on the PENTAGON DG container for complete mixing instructions.

See below for spraying instructions. DO NOT apply this product through any type of irrigation system.

PENTAGON DG is not recommended for use on peat or muck soils.

**BROADCAST RATES OF
PENTAGON DG HERBICIDE**

Apply 3.3 to 5.0 pounds of PENTAGON DG but DO NOT exceed 10.0 pounds per acre in one growing season. See spraying instructions below for calculation of band treatment rate.

Use the 5.0 pound rate:

- a. for heavy clay soils;
- b. if no mechanical incorporation is planned;
- c. if heavy weed populations are anticipated;
- d. if itchgrass infestation is anticipated;
- e. or if no shaving is planned.

SPRAYING INSTRUCTIONS

GROUND APPLICATIONS

BROADCAST TREATMENT - Apply PENTAGON DG in 10 or more gallons of water or in 20 or more gallons of liquid fertilizer per acre. (Refer to the PENTAGON DG leaflet label for liquid fertilizer compatibility determinations.) Use a properly calibrated low-pressure (20 to 40 psi) sprayer equipped with appropriate spray nozzles to achieve uniform spray distribution and minimize drift. Keep the by-pass line on or near the bottom of the tank to minimize foaming. Nozzle screens must be no finer than 50 mesh.

BAND TREATMENT - Apply the broadcast equivalent rate and volume per acre. To determine these:

$$\begin{array}{r} \text{Band width} \\ \text{in inches} \end{array} \times \begin{array}{r} \text{Broadcast} \\ \text{RATE} \\ \text{per acre} \end{array} = \begin{array}{r} \text{Band RATE} \\ \text{per acre} \end{array}$$

$$\begin{array}{r} \text{Band width} \\ \text{in inches} \end{array} \times \begin{array}{r} \text{Broadcast} \\ \text{VOLUME} \\ \text{per acre} \end{array} = \begin{array}{r} \text{Band VOLUME} \\ \text{per acre} \end{array}$$

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 JW 13 1995
 Made in the Federal Republic of Germany
 as certified by the pesticide
 registered under
 EPA Reg. No. 241-268

(See other side)

INCORPORATION INSTRUCTIONS

PENTAGON DG must be thoroughly and uniformly incorporated into the soil with either (a) mechanical incorporation equipment as outlined below, or (b) with rainfall or irrigation, if rainfall or irrigation is adequate for good crop and weed emergence and received within 7 days after application. If rainfall or irrigation is not obtained, PENTAGON DG should be mechanically incorporated.

Mechanical Incorporation:

PENTAGON DG should be applied to loosened beds and incorporated into the top 1 to 2 inches of soil within 7 days after application. Ratoon sugarcane must be lightly shaved in early spring to remove the old stubble before incorporation over the line of sugarcane is possible. Carefully adjust equipment to incorporate without causing excessive damage to emerging shoots. Mechanical incorporation can be achieved by the following:

- a. Rolling cultivator (Lilliston type - Lely Roterra¹) set to cut 2 or 3 inches deep and operated two times at 6 to 8 mph. This technique may be used with all application timings.
- b. Rolling disc cultivator (Hipper) set to cut 2 to 3 inches deep and operated two times at 6 to 8 mph. This technique may be used to incorporate between sugarcane lines (rows) at layby only.

WEED SPECIES CONTROLLED

When applied as directed, PENTAGON DG will control the following grass and broadleaf weeds:

GRASSES

Barnyardgrass	(<i>Echinochloa crus-galli</i>)
Browntop panicum	(<i>Panicum fasciculatum</i>)
Crabgrass	(<i>Digitaria</i> spp.)
Fall panicum	(<i>Panicum dichotomiflorum</i>)
Foxtail (giant)	(<i>Setaria faberi</i>)
Foxtail (green)	(<i>Setaria viridis</i>)
Foxtail (yellow)	(<i>Setaria lutescens</i>)
Goosegrass	(<i>Eleusine indica</i>)
Itchgrass (Raoulgrass)	(<i>Rottboellia exaltata</i>)*
Johnsongrass (from seed)	(<i>Sorghum halepense</i>)
Junglerice	(<i>Echinochloa colona</i>)
Signalgrass	(<i>Brachiaria texanum</i>)
Texas Panicum	(<i>Panicum capillare</i>)

BROADLEAF WEEDS

Carpetweed	(<i>Mollugo verticillata</i>)
Florida pusley	(<i>Richardia scabra</i>)
Lambsquarters	(<i>Chenopodium album</i>)
Pigweed	(<i>Amaranthus</i> spp.)
Purslane	(<i>Portulaca oleracea</i>)
Spurge, annuals	(<i>Euphorbia</i> spp.)

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*PENTAGON DG must be applied at the 5.0 pounds/acre broadcast rates for itchgrass control. Surface application (no mechanical incorporation) will provide partial itchgrass control. An additional application of 3.3 to 5.0 pounds/acre may be made at layby.

For additional broadleaf weed control, use PENTAGON DG in combination with any registered herbicide. Always check tank-mix compatibility with tank-mix partners prior to filling spray tank. Consult partner labels for correct use rates and label restrictions.

NOTE: DO NOT graze treated fields or feed treated forage or fodder to livestock.

This label must be in the possession of the user at the time of herbicide application.

¹Lely Roterra is a trademark of Lely.
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 **CYANAMID**
American Cyanamid Company
Agricultural Products Division
Crop Protection Chemicals Department
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