

Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 241-268

EPA Reg. No. 241-268

PENTAGON DG PLUS BANVEL¹ PLUS BLADEx² HERBICIDE TANK MIXTURE FOR USE IN FIELD CORN

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PENTAGON DG, BANVEL, AND BLADEx LEAFLET LABELS BEFORE USING.

SEE THE PENTAGON DG, BANVEL, AND BLADEx LEAFLET LABELS FOR PRECAUTIONS, GENERAL INFORMATION, MIXING AND APPLICATION AND SPRAYING INSTRUCTIONS, USE RATES, USES WITH OTHER PRODUCTS, WEEDS CONTROLLED, AND ROTATIONAL CROP RESTRICTIONS. OBSERVE THE MOST RESTRICTIVE INSTRUCTIONS ON ANY PRODUCT LABEL.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of herbicide application.

DO NOT apply this mixture through any type of irrigation system.

DO NOT APPLY TANK MIX BY AIR. AVOID drift of this mixture to soybeans or other sensitive crops. **DO NOT** apply on peat or muck soils.

This label expires December 31, 1995.

DO NOT use in California.

GENERAL INSTRUCTIONS

Observe all use directions given in the PENTAGON DG, Banvel, and Bladex labels sections on precautions, general information, mixing and application and spraying instructions, uses with other products, weeds controlled and rotational crop restrictions. Additional instructions are given below. Always follow the most restrictive instructions on any product label.

This label can be used in conventional, minimum tillage, and no-tillage systems. Observe the instructions in the PENTAGON DG leaflet label in the section on Field Corn Grown in Minimum Tillage Systems, or in a PENTAGON DG Supplemental label for no-tillage systems.

¹Trademark of American Cyanamid Company

²Banvel is a trademark of Sandoz Crop Protection Inc.

³Bladex is a trademark of E.I. duPont De Nemours and Company.

Plant corn AT LEAST 1 1/2 INCHES DEEP and provide good soil coverage of the corn seed.

MIXING AND RATES OF APPLICATION

Refer to the PENTAGON DG, Banvel, and Bladex labels for mixing instructions.

DO NOT apply PENTAGON DG plus Banvel plus Bladex under extended cold (below 50 °F) and wet weather conditions, or when cold, wet conditions are predicted or serious crop injury can result.

PREEMERGENCE (soil surface treatment after planting)

Apply PENTAGON DG plus Banvel plus Bladex preemergence, after planting, but before weeds or crop emerge. Apply in water or liquid fertilizer with ground equipment only. Refer to Application with Liquid Fertilizers section (see Table of Contents for page number in the PENTAGON leaflet label) for liquid fertilizer compatibility determinations. **ALWAYS PRE-SLURRY PENTAGON DG IN CLEAN WATER PRIOR TO ADDING TO LIQUID FERTILIZER SOLUTIONS.**

DO NOT use on furrow irrigated corn. **DO NOT INCORPORATE** or serious corn injury can result.

EARLY POSTEMERGENCE

Apply PENTAGON DG plus Banvel plus Bladex 90DF after corn emergence but no later than when corn is in the 4 leaf stage of growth and when weeds are no larger than 1 inch tall. **DO NOT** use Bladex 4L postemergence on corn or serious corn injury can result.

Apply in water with ground equipment only. Flat fan nozzles are preferred.

(See other side)

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ucts.		Sunflower, common	(<i>Helianthus annuus</i>)
Annual clover	(<i>Trifolium</i> spp.)	Tansymustard	(<i>Descurainia pinnata</i>)
Black Nightshade	(<i>Solanum nigrum</i>)	Thistle, Russian	(<i>Salsola kali</i>)
Burcucumber	(<i>Sicyos angulatus</i>)	Velvetleaf	(<i>Abutilon theophrasti</i>)
Chickweed, common	(<i>Stellaria media</i>)	Wild buckwheat	(<i>Polygonum convolvulus</i>)
Jimsonweed	(<i>Datura stramonium</i>)	Wild cucumber	(<i>Echinocystis lobata</i>)
Mallow		PENTAGON DG plus Banvel plus Bladex will aid in the control of and reduce competition from the following annual weed species. Consult the Banvel label for perennial weed species suppressed by this tank mixture.	
common	(<i>Malva</i> spp.)	Annual morningglory	(<i>Ipomoea</i> spp.)
Venice	(<i>Hibiscus trionum</i>)	Shattercane	(<i>Sorghum bicolor</i>)
Mustard	(<i>Brassica</i> spp.)	Wild proso millet	(<i>Panicum miliaceum</i>)
Puncturevine	(<i>Tribulus terrestris</i>)		
Ragweed			
common	(<i>Ambrosia artemisiifolia</i>)		
giant	(<i>Ambrosia trifida</i>)		

**Broadcast Rate Per Acre of PENTAGON DG Plus
Banvel Plus Bladex Preemergence* and
Early Postemergence Tank Mixtures in Field Corn**

Soil Texture	Less than 1.5% Organic Matter* PENTAGON DG + Banvel + Bladex 90DF ¹	1.5% to 3.0% Organic Matter* PENTAGON DG + Banvel + Bladex 90DF ¹	More than 3.0% Organic Matter PENTAGON DG + Banvel + Bladex 90DF ¹
COARSE ^{2,3}	1.25 to 1.67 lbs. + 0.5 pt. + 1 lb.	1.67 lbs. + 0.5 pt. + 0.67 to 1.11 lbs.	2.5 lbs. + 0.5 pt. + 0.67 to 1.3 lbs.
MEDIUM ²	1.67 lbs. + 1 pt. + 1 lb.	2.5 lbs. + 1 pt. + 1 to 1.5 lbs.	2.5 lbs. + 1 pt. + 1.3 to 1.5 lbs.
FINE ²	1.67 lbs. + 1 pt. + 1 to 1.5 lbs.	2.5 lbs. + 1 pt. + 1.3 to 2.2 lbs.	2.5 lbs. + 1 pt. + 1.3 to 2.2 lbs.

¹When using Bladex 4L preemergence, use equivalent rates. See conversion chart in Formulation Conversion Tables section (see Table of Contents for page number in PENTAGON DG leaflet label). Apply only Bladex 90DF in postemergence tank mixtures with Banvel. **DO NOT** use Bladex 4L postemergence.

²The high rate for each soil texture, where listed, should be used if heavy infestations of grass or broadleaf weeds are anticipated, if hard-to-control weed species are anticipated, or if extensive crop residues were present following seedbed preparation, or if soil organic matter content falls in the high end of the range.

³**DO NOT** use this tank mixture on sands or loamy sands with less than 1% organic matter.

***DO NOT** apply this tank mixture preemergence on any soil with less than 2.0% organic matter.

PRECAUTIONS

Observe all precautions on the PENTAGON DG, Banvel, and Bladex labels, including replanting in the event of crop loss due to weather, harvest and grazing intervals, and rotational crop restrictions. **DO NOT** tank mix PENTAGON DG with any product not registered in specific states of intended use.

PE-39013 11/10/93 SD



CYANAMID
American Cyanamid Company
Agricultural Products Division
Crop Protection Chemicals Department
Wayne, N.J. 07470 ©1994

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EPA Reg. No. 241-268

**FOR USE IN DRILLED, DRY-SEEDED RICE
IN ARKANSAS, LOUISIANA, MISSISSIPPI, MISSOURI AND TEXAS**

**PENTAGON DG HERBICIDE ALONE OR
TANK MIXTURE OF PENTAGON DG PLUS GLYPHOSATE¹ OR
PENTAGON DG PLUS FACET² 50 WP HERBICIDES
FOR DELAYED (LATE) PREEMERGENCE WEED CONTROL**

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PENTAGON DG, GLYPHOSATE AND FACET 50 WP LEAFLET LABELS BEFORE USING. SEE THE PENTAGON DG, GLYPHOSATE, AND FACET 50 WP LEAFLET LABELS FOR USE DIRECTIONS INCLUDING PRECAUTIONS, RESTRICTIONS AND LIMITATIONS, GENERAL INFORMATION, USE AREA, MIXING AND APPLICATION INSTRUCTIONS, USES WITH OTHER PRODUCTS, WEEDS CONTROLLED AND ROTATIONAL CROPS RESTRICTIONS.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of herbicide application.

This label expires February 28, 1995.

GENERAL INFORMATION

PENTAGON DG may be applied in GRAIN-DRILLED, DRY-SEEDED RICE as follows:

- Delayed (Late) Preemergence**
- PENTAGON DG alone
- PENTAGON DG + glyphosate
- PENTAGON DG + Facet 50 WP

PENTAGON DG herbicide alone, or a tank mixture of PENTAGON DG plus glyphosate herbicides, or a tank mixture of PENTAGON DG plus Facet 50 WP herbicides may be applied for delayed (late) preemergence weed control in grain-drilled, dry-seeded rice.

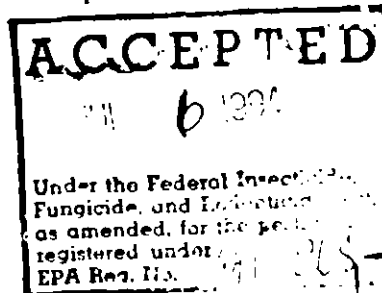
The tank mixtures will provide broad spectrum grass and certain broadleaf weed control. Tank mixtures are especially effective where sprangletop (*Leptochloa spp.*) is a problem. PENTAGON DG alone will not control broadleaf weeds; a postemergence application of propanil, Arrosolo³, Bolero⁴, Facet 50 WP or Londax⁵ herbicide may be necessary for season-long weed control.

Glyphosate or Facet 50 WP will control the emerged grasses and broadleaves listed on their label. PENTAGON DG will provide residual control of labeled grass weeds which can germinate after the tank-mixture is applied and which Facet 50 WP does not control. PENTAGON DG will not control emerged weeds. Facet 50 WP does not control sprangletop. Therefore schedule spraying before sprangletop has emerged.

For maximum weed control and rice stand, it is important to carefully follow the directions below for (1) adequate spray coverage of soil and (2) proper timing of application.

Observe all use directions given in the PENTAGON DG, glyphosate and Facet 50 WP labels. Additional instructions are given below. Always follow the most restrictive instructions on all products' labels.

¹Trademark of American Cyanamid Company
²Glyphosate is an active ingredient of various herbicides sold under various brand names, such as Roundup or Roundup D Pak. Roundup is a registered trademark of Monsanto Company.
³Facet is a registered trademark of BASF Corporation.
⁴Arrosolo is a registered trademark of Zeneca
⁵Bolero is a registered trademark of Valent USA Corporation.
Londax is a registered trademark of E. I. DuPont De Nemours & Co.



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PENTAGON DG PLUS FACET 50 WP TANK MIX
TO RICE CROPS.

REFER TO THE PENTAGON DG, GLYPHOSATE
AND FACET 50 WP LEAFLET LABEL FOR ADDI-
TIONAL DISCLAIMER STATEMENTS.

MIXING INSTRUCTIONS

PENTAGON DG alone. Refer to Mixing Instructions in the
PENTAGON DG leaflet label.

PENTAGON DG plus glyphosate tank mix. Refer to
Mixing Instructions in the PENTAGON DG leaflet label and
to Mixing, Additives and Application Instructions in the
glyphosate label. ADDITION OF NONIONIC SURFAC-
TANT MAY BE REQUIRED WITH GLYPHOSATE
APPLICATION (see product label) and use of ammonium
sulfate may increase performance.

PENTAGON DG plus Facet 50 WP tank mix. Refer to the
PENTAGON DG and Facet 50 WP labels for sections on
mixing and spraying. **DO NOT** use liquid fertilizer solution.
Add Facet 50 WP to a half-full spray tank of clean water with
agitation running. After the Facet 50 WP is thoroughly
mixed, add PENTAGON DG. Mix thoroughly and then add
the remaining volume of water. Constantly agitate during
application.

SPRAYING INSTRUCTIONS

Spray drift can cause injury to sensitive crops. See the
glyphosate and Facet 50 WP labels for list of sensitive crops;
follow all recommendations to minimize drift.

AERIAL APPLICATIONS

For aerial applications, apply the recommended rate in 5 to 10
gallons of water per acre to ensure adequate coverage. See
the glyphosate and Facet 50 WP label for aerial application
instructions; follow all recommendations to minimize drift.
DO NOT apply during periods of gusty winds or when wind
conditions favor drifting. It is recommended that a flagman
or an automatic mechanical flagging unit on the aircraft be
used to avoid overlapping and possible crop injury.

GROUND APPLICATIONS

For ground equipment, apply the recommended rate in 10 to
20 gallons of water per acre to ensure adequate coverage. Use
a properly calibrated low-pressure (20 to 40 psi) sprayer

DELAYED (LATE) PREEMERGENCE APPLICATIONS

PENTAGON DG alone or in labeled tank mixture may be
applied delayed (late) preemergence after planting rice as
follows:

1. Treatments may be applied to conventional, reduced or
minimum tillage, and no-till (stale seed-bed) rice. The
seedbed should be firm and free of clods, and must be
prepared to allow for good seed coverage. Plant rice with
a grain drill at a depth that provides complete soil cover-
age of the rice seed. The use of a planter under conditions
which do not allow good soil coverage of the rice seed
can result in reduced stand or stunting if
PENTAGON DG contacts germinating rice seed.
2. Apply PENTAGON DG alone or in tank mixture to levees
after the levees are pulled and planted. Exposed seeds
that come in contact with PENTAGON DG or Facet 50
WP may be injured.
3. Uniformly apply the recommended PENTAGON DG plus
glyphosate after rice planting (as described below) and
before rice emergence (spiking), by aircraft or ground
equipment according to spraying instructions above.
**THE GROWER SHOULD INSPECT FIELDS
FREQUENTLY TO CHECK GROWTH OF RICE TO
DETERMINE PROPER APPLICATION TIMING.**

Uniformly apply the recommended rate of
PENTAGON DG alone or PENTAGON DG plus Facet
50 WP after rice planting (as described below) and
before rice and weed emergence (spiking), by aircraft or
ground equipment according to spraying instructions
above. **THE GROWER SHOULD INSPECT FIELDS
FREQUENTLY TO CHECK GROWTH OF RICE
AND WEEDS TO DETERMINE PROPER APPLICA-
TION TIMING.**

4. Apply **ONLY** when growing conditions favor vigorous
rice growth. The seedbed should have adequate moisture
for seed germination. If there is insufficient moisture,
flushing is recommended before PENTAGON DG
application to supply moisture for root (radicle) initia-
tion and for vigorous rice and weed growth.

DO NOT apply PENTAGON DG and then flush for germination. **DO NOT** apply to stressed rice. Stress factors include cold or hot temperature extremes, excessive moisture or drought, problem soils, poor field drainage or deep water after application. **DO NOT** apply early preemergence nor preplant incorporated as severe rice injury is possible.

5. Apply when soil surface is dry, moist, or wet without standing water. Since soil and weeds (only for glyphosate must be completely exposed to spray coverage, no flood water should be on the field at time of application. Cloddy soil, standing water (puddles) at the time of application, or cracks in the soil that form after application may result in reduced weed control.

6. Apply after the rice seed has absorbed water and germinated and after the soil has been previously sealed over the seed by at least 1 inch rainfall or by irrigation (flush). If the soil has not been sealed by rain or flush, apply when 80 percent of germinated seeds have a primary root (radical) or shoot at least 1/2 inch long.

If applied to soil prior to these conditions, or to cracked soil, then stand reduction or stunting of rice may occur; Facet 50 WP may cause buggywhipping. Under some conditions, use of gibberellic acid-treated seed, **HEAVY RAINFALL AFTER APPLICATION**, or **FLUSHING AFTER APPLICATION** may result in herbicide injury to rice. Rice can overcome moderate injury with appropriate cultural practices.

7. For maximum direct contact activity of glyphosate, delay application of the tank mix if there is a chance of rain within 6 or 8 hours.

8. Because the residual activity of PENTAGON DG alone or the PENTAGON DG plus Facet 50 WP tank mix allows for delayed flooding, this treatment may be applied if rice is too small to maintain a flood on the field for weed control. However, proper water management practices must be followed for normal rice growth and activity of PENTAGON DG and Facet 50 WP. Refer to the Water Management section of the Facet 50 WP label. Flooding should not be delayed if weeds begin to develop after application.

Since the residual activity of PENTAGON DG and Facet 50 WP is activated by moisture, PENTAGON DG alone is most effective in controlling emerging weeds when adequate rainfall or irrigation (flush) is received within 7 days after application. The PENTAGON DG plus Facet 50 WP tank mix is most effective in controlling emerging weeds when adequate rainfall or irrigation (flush) is received within 3-7 days after application or when new grass/weeds have emerged and are less than one inch tall.

WEEDS CONTROLLED

The following grass species in addition to those listed on the PENTAGON DG label are controlled by the residual activity of PENTAGON DG, either as PENTAGON DG alone or in the PENTAGON DG plus glyphosate tank mix at the rates recommended for each soil texture listed below. PENTAGON DG gives preemergence control of propanil-resistant Barnyardgrass.

Barnyardgrass (watergrass)	(<i>Echinochloa crus-galli</i>)
Junglerice	(<i>Echinochloa colonum</i>)
Crabgrass	(<i>Digitaria</i> spp.)
Signalgrass	(<i>Brachiaria platyphylla</i>)
Sprangletop	(<i>Leptochloa</i> spp.)

Additional weeds controlled by the residual activity of PENTAGON DG plus Facet 50 WP tank mixture are:

Morningglory spp.	(<i>Ipomoea</i> spp.)
Sesbania	(<i>Sesbania exaltata</i>)

See the glyphosate label for weeds controlled postemergence at the application rate used.

RATES OF APPLICATION

PENTAGON DG alone. Apply PENTAGON DG alone at the rates recommended for each soil texture listed below.

PENTAGON DG plus glyphosate tank mix. Apply PENTAGON DG at the rates recommended for each soil texture listed below. Refer to the glyphosate label for the glyphosate application rates and instructions.

PENTAGON DG plus Facet 50 WP tank mix. Apply PENTAGON DG plus Facet 50 WP tank mixture at the rates recommended for each soil texture listed below.

Broadcast Rate Per Acre of PENTAGON DG Alone or
PENTAGON DG Plus Glyphosate or
PENTAGON DG Plus Facet 50 WP Tank Mixture
Applied Delayed Preemergence in Drilled, Dry-Seeded Rice

Soil Texture	PENTAGON DG (lb)	+	Facet 50 WP (lb)
sands, loamy sands	DO NOT USE		
sandy loams	1.25	+	0.50-0.67 (0.67-0.9 bag)
loams, silt loams, silts, sandy clay loams	1.25 to 1.67	+	0.67-0.75 (0.9-1.0 bag)
silty clay loams, clay loams, sandy clays, silty clays, clays	1.25 to 1.67	+	0.75-1.0 (1.0-1.33 bag)

NOTE: Use the higher rate of PENTAGON DG or Facet 50 WP if heavy weed populations are anticipated.

**PRECAUTIONS, RESTRICTIONS
AND LIMITATIONS**

PENTAGON DG is toxic to fish and aquatic organisms. Fish may be killed at application rates recommended on the label. DO NOT contaminate water by cleaning of equipment or disposal of wastes.

DO NOT apply PENTAGON DG to rice fields if fields are used for Fish Production, especially fields in which crayfish or catfish farming are included in the cultural practices.

See the PENTAGON DG and tank-mix partner labels for additional precautions, restrictions and limitations. Observe all precautions, restrictions and limitations on the PENTAGON DG and tank-mix partner labels, including weed stage and height limitations, replanting in the event of crop loss, harvest and grazing intervals, and rotational crop restrictions. Always follow the most restrictive instructions on all products' labels.

See PENTAGON DG leaflet label for herbicide-resistant weed management recommendations.

DO NOT MECHANICALLY INCORPORATE PENTAGON DG in rice.

DO NOT tank mix PENTAGON DG with any product not registered in specific states of intended use. DO NOT use in California.

DO NOT apply PENTAGON DG alone or in tank mixture through any type of irrigation system.

DO NOT use this treatment in water-seeded rice.

DO NOT allow drift or accidental application of tank mixture from ground equipment or turning aircraft near cotton, soybeans, corn, vegetables, orchards, gardens, shrubs, and ornamentals. Refer to PENTAGON DG and tank-mix partner labels for other sensitive crops.

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

DO NOT apply tank mixture in liquid fertilizer.

DO NOT make more than one application of PENTAGON DG per season.

DO NOT bale or use rice straw from treated fields for feed or bedding.

DO NOT use water containing PENTAGON DG residues from rice cultivation to irrigate food or feed crops which are not registered for use with PENTAGON DG. DO NOT use water from rice cultivation after a Facet 50 WP application to irrigate any crops.

DO NOT plant crops in PENTAGON DG treated fields unless PENTAGON DG is registered for use on those crops. Refer to the tank-mix partner label for crop planting restrictions.

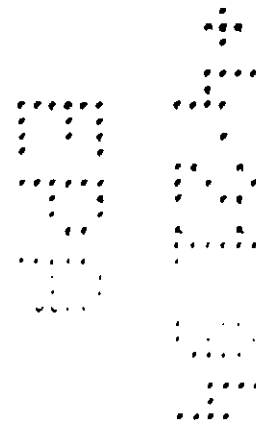
In case of crop failure due to weather conditions or disease following treatment with PENTAGON DG alone or in tank mixture, only drilled dry-seeded rice may be immediately replanted; however, the grower assumes all risks and consequences associated with replanting of rice because there is the potential for stand reduction or stunting. A 10 percent increase in seeding rate is recommended. Replant seed below the herbicide layer because reduced stand or stunting may occur if PENTAGON DG contacts germinating rice seed. **DO NOT** replant with gibberellic acid-treated seed. **DO NOT** reapply a PENTAGON DG alone or in tank mixture.

FOLLOW CROP RESTRICTIONS. Land treated with PENTAGON DG may be planted to other crops the following year. Refer to PENTAGON DG and tank-mix partner labels for follow crop restrictions.

Use of PENTAGON DG herbicide in accordance with label directions is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product and therefore, rotational crop injury is always possible.

For additional information regarding the use of PENTAGON DG herbicide, call telephone number (800) 942-0500.

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EPA Reg. No. 241-268

**FOR USE IN DRILL OR BROADCAST, DRY-SEEDED RICE
IN ARKANSAS, LOUISIANA, MISSISSIPPI, MISSOURI AND TEXAS
TANK MIXTURE OF PENTAGON DG PLUS FACET¹ 50 WP HERBICIDES
FOR EARLY POSTEMERGENCE WEED CONTROL**

OBSERVE ALL PRECAUTIONARY STATEMENTS IN BOTH THE PENTAGON DG AND FACET 50 WP LEAFLET LABELS BEFORE USING. SEE THE PENTAGON DG AND FACET 50 WP LEAFLET LABELS FOR USE DIRECTIONS INCLUDING PRECAUTIONS, RESTRICTIONS AND LIMITATIONS, GENERAL INFORMATION, USE AREA, MIXING AND APPLICATION INSTRUCTIONS, USES WITH OTHER PRODUCTS, WEEDS CONTROLLED AND ROTATIONAL CROPS RESTRICTIONS.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of herbicide application.

This label expires February 28, 1995.

GENERAL INFORMATION

PENTAGON DG may be applied in DRILL OR BROADCAST, DRY-SEEDED RICE as follows:

Early Postemergence

- PENTAGON DG + Arroso²
- PENTAGON DG + Facet 50 WP
- PENTAGON DG + propanil

See the PENTAGON DG leaflet label for postemergence use directions for Arroso and propanil.

PENTAGON DG plus Facet 50 WP herbicides may be tank mixed for early postemergence weed control in dry-seeded rice. This mixture will provide broad spectrum grass and certain broadleaf weed control, especially where sprangletop (*Leptochloa spp.*) is a problem.

Facet 50 WP will control the emerged grasses and broadleaves listed on its label. Refer to the Facet 50 WP label for weed size limitations. PENTAGON DG will provide residual control of labeled grass weeds which can germinate after this tank mixture is applied and which Facet 50 WP does not control.

For maximum weed control, it is important to carefully follow the directions below for (1) adequate spray coverage of weeds and soil and (2) proper timing of application. PENTAGON DG will not control emerged weeds. Facet 50 WP does not control sprangletop. Therefore schedule spraying before sprangletop has emerged.

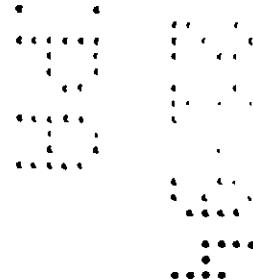
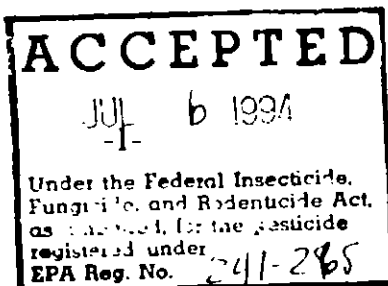
Observe all use directions given in the PENTAGON DG and Facet 50 WP labels. Additional instructions are given below. Always follow the most restrictive instructions on both products' labels.

DISCLAIMER

THE USER ASSUMES ALL RISKS AND CONSEQUENCES ASSOCIATED WITH APPLICATIONS OF PENTAGON DG PLUS FACET 50 WP TANK MIX TO RICE CROPS.

REFER TO THE PENTAGON DG AND FACET 50 WP LEAFLET LABEL FOR ADDITIONAL DISCLAIMER STATEMENTS.

¹Trademark of American Cyanamid Company
²Facet 50 WP is a registered trademark of BASF Corporation.
³Arroso is a registered trademark of Zeneca.



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Refer to the Facet 50 WP label for sections on mixing/spraying and on adjuvant for postemergence application. ADDITION OF CROP OIL CONCENTRATE IS REQUIRED WITH FACET 50 WP APPLICATION. DO NOT use liquid fertilizer solution. Add Facet 50 WP to a half-full spray tank of clean water with agitation running. After the Facet 50 WP is thoroughly mixed, add PENTAGON DG. Mix thoroughly and then add the recommended amount of crop oil concentrate (see Facet 50 WP label) and remaining volume of water. Constantly agitate during application.

SPRAYING INSTRUCTIONS

Spray drift can cause injury to sensitive crops. See the Facet 50 WP label for list of sensitive crops; follow all recommendations to minimize drift.

AERIAL APPLICATIONS

For aerial applications, apply the recommended rate in 5 to 10 gallons of water per acre to ensure adequate coverage. See the Facet 50 WP label for aerial application instructions; follow all recommendations to minimize drift. DO NOT apply during periods of gusty winds or when wind conditions favor drifting. It is recommended that a flagman or an automatic mechanical flagging unit on the aircraft be used to avoid overlapping and possible crop injury.

GROUND APPLICATIONS

For ground equipment, apply the recommended rate in 10 to 20 gallons of water per acre to ensure adequate coverage. Use a properly calibrated low-pressure (20 to 40 psi) sprayer equipped with 8002 or larger size Tee-Jet or comparable nozzles to achieve uniform spray distribution and minimize drift. Keep the bypass line on or near the bottom of the tank to minimize foaming. Nozzle screens must be no finer than 50 mesh. DO NOT apply PENTAGON DG during periods of gusty winds.

EARLY POSTEMERGENCE APPLICATIONS

PENTAGON DG plus Facet 50 WP tank mixture may be applied early postemergence as follows:

1. Treatments may be applied to conventional, reduced or minimum tillage, and no-till (stale seed-bed) rice. The seedbed should be firm and free of clods. The seedbed must be prepared to allow for complete soil coverage of the rice seed. The use of a planter under conditions which do not allow good soil coverage of the rice seed can result in reduced stand or stunting if PENTAGON DG contacts germinating rice seed.

to treatment to produce vigorous rice and weeds. Since soil and weeds must be completely exposed to spray coverage, no flood water should be on the field at time of application. Cloddy soil, standing water (puddles) at the time of application, or cracks in the soil that form after application may result in reduced weed control.

3. Uniformly apply the recommended PENTAGON DG plus Facet 50 WP treatment after rice emergence (spiking) and at the correct timing for Facet 50 WP, by aircraft or ground equipment according to spraying instructions above. Refer to timing instructions and illustrations in the Facet 50 WP label. THE GROWER SHOULD INSPECT FIELDS FREQUENTLY TO CHECK GROWTH OF SPRANGLETOP, OTHER LABELED WEEDS AND RICE TO DETERMINE PROPER APPLICATION TIMING.
4. For maximum direct contact activity of Facet 50 WP, delay application of the tank mix if there is a chance of rain within 6 to 8 hours.
5. Because the residual activity of the PENTAGON DG plus Facet 50 WP allows for delayed flooding, this treatment may be applied if rice is too small to maintain a flood on the field for weed control. However, proper water management practices must be followed for normal rice growth and activity of PENTAGON DG and Facet 50 WP. Refer to the Water Management section of the Facet 50 WP label. Flooding should not be delayed if weeds begin to develop after application.

Since the residual activity of PENTAGON DG and Facet 50 WP is activated by moisture, the tank mix is most effective in controlling emerging weeds when adequate rainfall or irrigation (flush) is received within 3-7 days after application or when new grass/weeds have emerged and are less than one inch tall.

WEEDS CONTROLLED

The following grass species in addition to those listed on the PENTAGON DG label are controlled preemergence by the residual activity of the PENTAGON DG in the tank mix at the rates recommended for each soil texture listed below. Treat before Sprangletop emerges. The tank mix gives preemergence control of propanil-resistant Barnyardgrass.

Barnyardgrass (watergrass)	(<i>Echinochloa crus-galli</i>)
Junglerice	(<i>Echinochloa colonum</i>)
Crabgrass	(<i>Digitaria spp.</i>)
Signalgrass	(<i>Brachiaria platyphylla</i>)
Sprangletop	(<i>Leptochloa spp.</i>)

15, 24, 27

The Facet 50 WP in the tank mix provides **direct contact** and **residual** control of the following weeds listed on the Facet 50 WP label. See the Facet 50 WP label for emerged weed size limitations and other weeds controlled.

Barnyardgrass, Junglerice, Large Crabgrass, Eclipta, Jointvetch spp., Morningglory spp., Broadleaf Signalgrass, and Sesbania.

RATES OF APPLICATION

Apply PENTAGON DG plus Facet 50 WP tank mixture at the rates recommended for each soil texture listed below:

Broadcast Rate Per Acre of PENTAGON DG Plus Facet 50 WP Early Postemergence Tank Mixtures in Rice

Soil Texture	PENTAGON DG (lb)	+	Facet 50 WP (lb)
COARSE	1.25	+	0.75 (1 bag)
MEDIUM	1.25 to 1.67	+	0.75 (1 bag)
FINE	1.25 to 1.67	+	0.75 (1 bag)

NOTES: Use the higher rate of PENTAGON DG if heavy weed populations are anticipated. Refer to the PENTAGON DG leaflet label section on Soil Texture for soil type classifications.

PRECAUTIONS, RESTRICTIONS AND LIMITATIONS

PENTAGON DG is toxic to fish and aquatic organisms. Fish may be killed at application rates recommended on the label. **DO NOT** contaminate water by cleaning of equipment or disposal of wastes.

DO NOT apply PENTAGON DG to rice fields if fields are used for Fish Production, especially fields in which crayfish or catfish farming are included in the cultural practices.

See the PENTAGON DG and tank-mix partner labels for additional precautions, restrictions and limitations. Observe all precautions, restrictions and limitations on the PENTAGON DG and tank-mix partner labels, including weed stage and height limitations, replanting in the event of crop loss, harvest and grazing intervals, and rotational crop restrictions. Always follow the most restrictive instructions on all products' labels.

See PENTAGON DG leaflet label for herbicide-resistant weed management recommendations.

DO NOT MECHANICALLY INCORPORATE PENTAGON DG in rice.

DO NOT tank mix PENTAGON DG with any product not registered in specific states of intended use. **DO NOT** use in California.

DO NOT apply PENTAGON DG plus Facet 50 WP tank mixture through any type of irrigation system.

DO NOT use this treatment in water-seeded rice.

DO NOT allow drift or accidental application of tank mixture from ground equipment or turning aircraft near cotton, soybeans, corn, vegetables, orchards, gardens, shrubs, and ornamentals. Refer to Facet 50 WP label for other sensitive crops.

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

DO NOT apply this tank mixture in liquid fertilizer.

DO NOT make more than one application of PENTAGON DG per season.

DO NOT bale or use rice straw from treated fields for feed or bedding.

DO NOT use water containing PENTAGON DG residues from rice cultivation to irrigate ~~for~~ feed crops which are not registered for use with PENTAGON DG. **DO NOT** use water from rice cultivation after a Facet 50 WP application to irrigate any crops.

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DO NOT plant crops in PENTAGON DG treated fields unless PENTAGON DG is registered for use on those crops. Refer to the Facet 50 WP label for crop planting restrictions.

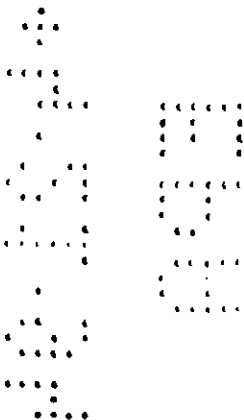
In case of crop failure due to weather conditions or disease following treatment with PENTAGON DG plus Facet 50 WP, only drilled, dry-seeded rice may be immediately replanted; however, the grower assumes all risks and consequences associated with replanting of rice because there is the potential for stand reduction or stunting. A 10 percent increase in seeding rate is recommended. Replant seed below the herbicide layer because reduced stand or stunting may occur if PENTAGON DG contacts germinating rice seed. **DO NOT** replant with gibberellic acid-treated seed. **DO NOT** reapply a PENTAGON DG plus Facet 50 WP tank mixture.

FOLLOW CROP RESTRICTIONS. Land treated with PENTAGON DG may be planted to other crops the following year. Refer to PENTAGON DG and Facet 50 WP labels for follow crop restrictions.

Use of PENTAGON DG herbicide in accordance with label directions is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product and therefore, rotational crop injury is always possible.

For additional information regarding the use of PENTAGON DG herbicide, call telephone number (800) 942-0500.

PE-39005 11/10/93 SD



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CYANAMID

American Cyanamid Company
Agricultural Products Division
Crop Protection Chemicals Department
Wayne, NJ 07470 4-1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 241-268

EPA Reg. No. 241-268

12.7.85

FOR USE IN SOYBEANS

FOR DISTRIBUTION AND USE ONLY IN INDIANA, MICHIGAN AND OHIO

USE OF PENTAGON DG HERBICIDE ALONE OR IN TANK MIXTURES AS PREEMERGENCE APPLICATIONS NORTH OF INTERSTATE 80

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PENTAGON DG AND TANK MIX PARTNER LEAFLET LABELS BEFORE USING. SEE THE PENTAGON DG AND TANK MIX PARTNER LEAFLET LABELS FOR PRECAUTIONS, GENERAL INFORMATION, MIXING AND APPLICATION AND SPRAYING INSTRUCTIONS, USE RATES, USES WITH OTHER PRODUCTS, WEEDS CONTROLLED, ROTATIONAL CROP RESTRICTIONS AND DISCLAIMERS. OBSERVE THE MOST RESTRICTIVE INSTRUCTIONS ON ANY PRODUCT LABEL.

DIRECTIONS FOR USE

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

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

CHEMIGATION: PENTAGON DG may be applied through sprinkler irrigation systems in soybeans. Refer to the PENTAGON DG and tank mix partner labels for use directions for chemigation. **DO NOT** apply tank mixture through any type of irrigation system unless the label instructions on chemigation of all products are followed.

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

This label expires February 28, 1996.

GENERAL INSTRUCTIONS

PENTAGON DG herbicide controls labeled annual grasses and certain broadleaf weeds as they germinate, but it will not control established weeds.

Destroy existing weeds before applying PENTAGON DG. Unusually cold, excessively wet, or hot and dry conditions that delay germination or extend germination over a long period of time can reduce weed control.

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Observe all use directions given in the PENTAGON DG and tank mix partner label sections on precautions, general information, mixing and application instructions, uses with other products, weeds controlled, rotational crop restrictions and disclaimers. Always follow the most restrictive instructions on any product label.

Preemergence General Instructions For North of I-80

Use the following instructions when applying the recommended preemergence soil applications of PENTAGON DG alone or in labeled tank mixtures in soybeans grown north of Interstate Highway 80 (I-80) in Indiana, Michigan and Ohio. **DO NOT** use this label in any other state.

A preemergence application of PENTAGON DG may be applied **at planting or up to 2 days after planting** of soybeans. **DO NOT APPLY POSTEMERGENCE** to soybeans. Apply to a seedbed which is ~~firm~~ and free of clods. PENTAGON DG may be applied in conventional, minimum and no-tillage systems. Observe all other instructions in the PENTAGON DG leaflet label in the section on PENTAGON DG, TANK MIXTURES IN MINIMUM AND NO-TILL SYSTEMS.

Preemergence treatments are most effective in controlling weeds when adequate rainfall or overhead irrigation is received within 7 days after application. If moisture is insufficient to activate the herbicides, a shallow cultivation

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A shallow, thorough mixing of soil after herbicide application with a rotary hoe or similar implement will improve consistency of performance and reduce dependency on rainfall to activate herbicides. If at least 1 inch of rainfall or mechanical incorporation does not occur before soybean emergence, crop injury may occur.

DO NOT overlap spray by aerial or ground equipment. Always check tank-mix compatibility with tank mix partners prior to filling spray tank.

Tank Mixtures and Sequential Applications

PENTAGON DG may be preemergence applied north of I-80 using the rates below in tank mixture with the following products: 2,4-DB (Butyrac¹ brand 200), Roundup², Gramoxone Extra³, SCEPTER[®], SCEPTER[®] 70DG,

PENTAGON DG may be preemergence applied north of I-80 using the rates below in sequential application followed by a postemergence product such as SCEPTER, SCEPTER 70DG, PURSUIT, or PURSUIT DG herbicides. Refer to the PENTAGON DG leaflet label and sequential product label for all other use directions, restrictions and additional weeds controlled.

PENTAGON DG Application Rates

Use the following rate table for all PENTAGON DG preemergence treatments applied north of I-80. **Limitation:** Note that the maximum PENTAGON DG application rate is 1.6 pounds per acre for medium and fine texture soils.

Broadcast Rate per Acre of PENTAGON DG Herbicide Alone or in Tank Mixture Applied Preemergence in Soybeans Grown North of I-80 in Indiana, Michigan and Ohio

Soil Texture	PENTAGON DG (lbs) Up to 3.0% Organic Matter*	PENTAGON DG (lbs) More than 3.0% Organic Matter*
COARSE	0.8 to 1.25	1.25
MEDIUM	1.25 to 1.6	1.25 to 1.6
FINE	1.25 to 1.6	1.6

*NOTES: Use the higher rate of PENTAGON DG if heavy weed populations are anticipated, or if hard-to-control weed species will be present, or if extensive crop residues were present following seedbed preparation (minimum or no-till systems), or if soil organic matter falls in the high end of the range. Refer to the PENTAGON DG leaflet label section on Soil Texture for soil type classifications. PENTAGON DG is not recommended for use on peat or muck soils.

For additional information regarding the use of PENTAGON DG herbicide, call telephone number (800) 942-0500.

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¹Butyrac is a trademark of Rhone-Poulenc Ag Company

²Lasso and Roundup are trademarks of Monsanto Company

³Gramoxone Extra is a trademark of Zeneca

⁴Sencor is a trademark of Mobex Corporation

⁵Canopy, Lexone, Lorox and Preview are trademarks of E. I. DuPont de Nemours & Co

⁶Dual is a trademark of CIBA

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Agricultural Products Division
Crop Protection Chemicals Department
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JUL 61
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 241-268

1/10/80

EPA Reg. No. 241-268 FOR USE IN SOYBEANS

USE OF PENTAGON DG HERBICIDE ALONE OR IN TANK MIXTURES AS PREPLANT SURFACE APPLICATIONS IN SOYBEANS GROWN NORTH OF INTERSTATE 80

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PENTAGON DG AND TANK MIX PARTNER LEAFLET LABELS BEFORE USING. SEE THE PENTAGON DG AND TANK MIX PARTNER LEAFLET LABELS FOR PRECAUTIONS, GENERAL INFORMATION, MIXING AND APPLICATION AND SPRAYING INSTRUCTIONS, USE RATES, USES WITH OTHER PRODUCTS, WEEDS CONTROLLED, ROTATIONAL CROP RESTRICTIONS AND DISCLAIMERS. OBSERVE THE MOST RESTRICTIVE INSTRUCTIONS ON ANY PRODUCT LABEL.

DIRECTIONS FOR USE

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

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

CHEMIGATION: PENTAGON DG may be applied through sprinkler irrigation systems in soybeans. Refer to the PENTAGON DG and tank mix partner labels for use directions for chemigation. **DO NOT** apply tank mixture through any type of irrigation system unless the label instructions on chemigation of all products are followed.

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

This label expires February 28, 1996.

DO NOT use in California.

GENERAL INSTRUCTIONS

PENTAGON DG herbicide controls labeled annual grasses and certain broadleaf weeds as they germinate, but it will not control established weeds. Destroy existing weeds before applying PENTAGON DG (except as recommended

in specific postemergence combination treatments). Unusually cold, excessively wet, or hot and dry conditions that delay germination or extend germination over a long period of time can reduce weed control.

Observe all use directions given in the PENTAGON DG and tank mix partner label sections on precautions, general information, mixing and application instructions, uses with other products, weeds controlled, rotational crop restrictions and disclaimers. Always follow the most restrictive instructions on any product label.

Preplant Surface Application General Instructions For North of I-80

Use the following instructions when applying the recommended preplant soil surface applications of PENTAGON DG alone or in labeled tank mixtures in soybeans grown north of Interstate Highway 80 (I-80).

A preplant surface application of PENTAGON DG may be applied up to 45 days before planting. **DO NOT** apply PENTAGON DG at or after planting north of I-80, except as specified in other Cyanamid labeling. **DO NOT APPLY POSTEMERGENCE** to soybeans.

Apply to a seedbed which is firm and free of clods. PENTAGON DG may be applied in conventional, minimum and no-tillage systems. Ensure good seed coverage by soil. Observe all other instructions in the PENTAGON DG leaflet label in the section on

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Preplant surface treatments are most effective in controlling weeds when adequate rainfall or overhead irrigation is received within 7 days after application. If moisture is insufficient to activate the herbicides, a shallow cultivation (preferably with a rotary hoe) should be made after emergence of soybeans, but while weeds are small enough to be controlled by mechanical cultivation, otherwise a postemergent herbicide treatment may be required.

DO NOT overlap spray by aerial or ground equipment. Always check tank-mix compatibility with tank mix partners prior to filling spray tank.

PENTAGON DG Application Rates and Instructions

Refer to the PENTAGON DG leaflet label for broadcast rates per acre of PENTAGON DG for use up to 45 days prior to planting, according to the "Preplant Incorporated or Preemergence Tank Mix" table, soil texture, organic matter content and specific tank mixture.

PENTAGON DG may be preplant surface applied north of I-80 in tank mixture with the following products: 2,4-D, 2,4-DB (Butyrac¹ brand 200), Roundup², Gramoxone Extra³, SCEPTER[®], SCEPTER[®] 70DG, PURSUIT[®], PURSUIT[®] DG, Sencor⁴/Lexone⁵, Lorox⁵, Lasso², Dual⁶, Canopy⁵, and Preview⁵. Refer to the PENTAGON DG leaflet label and tank-mix partner labels for all other use directions, restrictions and additional weeds controlled for these mixtures.

PENTAGON DG may be preplant surface applied north of I-80 in sequential application followed by a postemergence product. Refer to the PENTAGON DG leaflet label and sequential product label for all other use directions, restrictions and additional weeds controlled.

Surface application of PENTAGON DG alone made up to 45 days before planting should be followed by a PCSTEMERGENCE program such as PURSUIT or PURSUIT DG herbicide. Consult the PURSUIT label for PURSUIT herbicide application instructions and precautions. Refer to the PENTAGON DG leaflet label for other use directions.

For additional information regarding the use of PENTAGON DG herbicide, call telephone number (800) 942-0500.

[®]Registered Trademark of American Cyanamid Company.

¹Butyrac is a trademark of Rhone-Poulenc Ag Company.

²Lasso and Roundup are trademarks of Monsanto Company.

³Gramoxone Extra is a trademark of Zeneca.

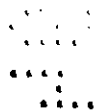
⁴Sencor is a trademark of Mobay Corporation.

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Agricultural Products Division
Crop Protection Chemicals Department
Wayne, NJ 07470 ©1993

ACCEPTED

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 241-268

EPA Reg. No. 241-268

16.2.85

FOR USE IN FIELD CORN

SEQUENTIAL AND TANK MIX APPLICATIONS OF PENTAGON DG Plus ACCENT¹ SP OR PENTAGON DG Plus BEACON² OR

PENTAGON DG Plus ACCENT SP Plus BEACON HERBICIDES

OBSERVE ALL PRECAUTIONARY STATEMENTS ON THE PENTAGON DG AND TANK MIX PARTNER HERBICIDE LABELS BEFORE USING.

SEE THE PENTAGON DG AND TANK MIX PARTNER LABELS FOR PRECAUTIONS AND DIRECTIONS FOR USE INCLUDING GENERAL INFORMATION, MIXING AND APPLICATION INSTRUCTIONS, USES WITH OTHER PRODUCTS INCLUDING SOIL INSECTICIDES, ROTATIONAL CROPS RESTRICTIONS AND DISCLAIMERS. OBSERVE THE MOST RESTRICTIVE INSTRUCTIONS ON ANY PRODUCT LABEL.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of herbicide application.

DO NOT apply Accent SP or Beacon through any type of irrigation system. PENTAGON DG alone can be applied via chemigation. See the PENTAGON DG label for chemigation instructions.

DO NOT use in California.

GENERAL INFORMATION

PENTAGON DG herbicide may be applied sequentially or in tank mixture with Accent SP or Beacon herbicide for broad spectrum control of labeled weeds in field corn. PENTAGON DG may also be applied sequentially or in tank mixture with Accent SP (1/3 oz/A) plus Beacon (0.38 oz/A). Accent herbicide may be used in place of Accent SP herbicide.

PENTAGON DG provides residual control of labeled weeds as they germinate, but it will not control established weeds. Accent SP, Beacon, or Accent SP plus Beacon applied early postemergence will provide a burn-down of the initial germination flush to control existing labeled weeds.

The following three- or four-way tank mixtures may be used for improved broadleaf weed control:

- 1) PENTAGON DG plus Accent SP plus atrazine, Banvel³, Buctril⁴, Buctril + atrazine, or Marksman⁴ herbicides;
- 2) PENTAGON DG plus Beacon plus Banvel, Buctril, or 2,4-D herbicides;
- 3) PENTAGON DG plus Accent SP (1/3 oz/A) plus Beacon (0.38 oz/A) plus Banvel³ or Buctril herbicides.

Observe all use directions given in the PENTAGON DG and tank mix partner labels including sections on precautions, general information, mixing and application instructions, uses with other products including soil insecticides, rotational crop restrictions and disclaimers. Additional instructions are given below. Always follow the most restrictive instructions on all product labels.

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SP labels for use directions, precautions and restrictions. **DO NOT** use COUNTER CR insecticide with any treatment containing Beacon herbicide.

This label can be used in conventional, minimum tillage, and no-tillage systems. For PENTAGON DG tank mixtures, follow additional instructions in the PENTAGON DG leaflet label section on Field Corn Grown in Minimum Tillage Systems, or in the PENTAGON DG Supplemental label for Field Corn Grown In No-till Systems.

Plant corn AT LEAST 1 1/2 inches deep and ensure good seed coverage.

MIXING AND RATES OF APPLICATION

Refer to the PENTAGON DG and tank mix partner labels for spray preparation, mixing and rate of application instructions. Additional instructions follow.

POSTEMERGENCE TANK MIX APPLICATIONS OF PENTAGON DG PLUS ACCENT SP, PENTAGON DG PLUS BEACON, PENTAGON DG PLUS ACCENT SP PLUS BEACON, OR ACCENT SP PLUS BEACON (SEQUENTIAL) REQUIRE THE ADDITION OF A NON-IONIC SURFACTANT (NIS) at 0.25% vol/vol (1 quart per 100 gallons of spray solution) OR A CROP OIL CONCENTRATE (COC) at 1.0% vol/vol (1 gallon per 100 gallons of spray solution).

improve the control of certain emerged weed species by Accent SP, Beacon, or Accent SP plus Beacon. **DO NOT** use COC in combination with liquid nitrogen fertilizer solution or ammonium sulfate. If another herbicide is tank mixed to increase broadleaf weed spectrum, select adjuvants based on the adjuvant limitations of the herbicide.

Refer to the PENTAGON DG and tank mix partner labels for order of mixing instructions. For the PENTAGON DG plus Accent SP plus Beacon tank mixture, add the ingredients to water in the following order with the agitator running: Accent SP, Beacon, PENTAGON DG, and adjuvant(s). Thoroughly mix each ingredient before adding another.

Select rate of Accent SP or Beacon based on emerged weeds to be controlled. NOTE: The user and Accent SP labeling assume all risks and consequences of the use of greater than 2/3 ounce Accent SP per acre in tank mix or sequential application with PENTAGON DG; see Accent SP label for instructions.

Apply PENTAGON DG sequentially or in tank mixture with Accent SP, Beacon, or Accent SP plus Beacon as follows:

**Broadcast Rate per Acre of PENTAGON DG
Preemergence and Early Postemergence in Field Corn**

Soil Texture	PENTAGON DG (lbs) Less than 1.5% Organic Matter	PENTAGON DG (lbs) 1.5 to 3.0% Organic Matter	PENTAGON DG (lbs) More than 3.0% Organic Matter
COARSE	1.25 to 1.6	2.5	2.5
MEDIUM	1.6 to 2.5	2.5	2.5
FINE	1.6 to 2.5	2.5	2.5

NOTES: Use the higher rate of PENTAGON DG if heavy weed populations are anticipated, or if shattercane or hard-to-control weed species will be present, or if extensive crop residues were present following seedbed preparation, or if soil organic matter falls in high end of range. Refer to the PENTAGON DG leaflet label section on Soil Textures for soil type classifications. PENTAGON DG is not recommended for use on peat or muck soils.

APPLICATION INSTRUCTIONS

Refer to PENTAGON DG and tank mix partner labels for application instructions. Additional instructions follow.

DO NOT INCORPORATE PENTAGON DG or serious corn injury can result.

The following treatments are recommended for use in field corn. Apply in 10 to 20 gallons water per acre, with 15 gallons recommended. Apply only one application of PENTAGON DG per growing season.

1. SEQUENTIAL APPLICATIONS: Apply PENTAGON DG PREEMERGENCE (surface treatment after planting) followed by EARLY POSTEMERGENCE application of Accent SP, Beacon, or Accent SP plus Beacon.

Plant corn AT LEAST 1 1/2 inches deep and ensure good seed coverage. Apply PENTAGON DG after planting, but before weeds emerge. Refer to the PENTAGON DG leaflet label for additional preemergence use directions for PENTAGON DG alone or with other tank mix partners. **DO NOT** incorporate PENTAGON DG.

Then, apply one of the following early postemergence treatments:

- a) Apply 1/3 to less than 2/3 ounce Accent SP per acre to corn up through the 6-leaf stage and before weeds (listed below) exceed a height of 3 inches.
- b) Apply 2/3 oz/A Accent SP before the corn exceeds 24 inches tall and before the weeds exceed the height limitations on the Accent SP label; see Accent SP label for additional instructions.
- c) Or apply Beacon at 0.38 or 0.76 oz/A before the corn exceeds 20 inches tall and the weeds exceed the height limitations on the Beacon label; see Beacon label for additional instructions.
- d) Or apply tank mix of Accent SP (1/3 oz/A) + Beacon (0.38 oz/A) before the corn exceeds 20 inches tall and the weeds exceed the height limitations given below.

2. EARLY POSTEMERGENCE tank mixture of PENTAGON DG plus Accent SP or PENTAGON DG plus Beacon.

Plant corn AT LEAST 1 1/2 inches deep to ensure good seed coverage. Apply when the corn and weeds are actively growing. Use one of the following options in tank mix with PENTAGON DG:

- a) For 1/3 to less than 2/3 ounce Accent SP per acre, tank mix applications can be made to corn up through the 6-leaf stage and before weeds exceed a height of 3 inches. **DO NOT** incorporate.
- b) Or for 2/3 ounce Accent SP per acre, tank mix applications can be made to corn up through the 6-leaf stage and before weeds exceed the height recommended on the Accent SP label. **DO NOT** incorporate.
- c) Or for 0.38 or 0.76 oz Beacon per acre, tank mix applications can be made to corn up through the 6-leaf stage and before weeds exceed the height recommended on the Beacon label. **DO NOT** incorporate.

The following three- or four-way tank mixtures may be used for improved broadleaf weed control:

- a) PENTAGON DG plus Accent SP plus atrazine, Banvel, Buctril, Buctril + atrazine, or Marksman herbicides;
- b) PENTAGON DG plus Beacon plus Banvel, Buctril, or 2,4-D herbicides.

See the PENTAGON DG and broadleaf herbicide labels for additional use directions, precautions and restrictions.

3. EARLY POSTEMERGENCE tank mixture of PENTAGON DG plus Accent SP plus Beacon.

Plant corn AT LEAST 1 1/2 inches deep and ensure good seed coverage. Apply when the corn and weeds are actively growing. Tank mix applications of PENTAGON DG plus Accent SP (1/3 oz/A), plus Beacon (0.38 oz/A) can be made to corn up through the 6-leaf stage and before the weeds exceed the height limitations given in table below. Accent SP and Beacon are rainfast in 4 hours.

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The following four-way tank mixtures may be used for improved broadleaf weed control:

PENTAGON DG plus Accent plus Beacon plus Banvel or Buctril herbicides. See the PENTAGON DG and broadleaf herbicide labels for additional use directions, precautions and restrictions.

WEEDS CONTROLLED

See the PENTAGON DG label for weeds controlled by preemergence application.

Shattercane, seedling johnsongrass, and giant foxtail are the only weeds controlled early postemergence by Accent SP when applied at 1/3 to less than 2/3 ounce per acre and before the weeds exceed a height of 3 inches.

See the Accent SP label for weeds controlled early postemergence and weed height limitations for the 2/3 ounce per acre application rate.

See the Beacon label for weeds controlled early postemergence and weed height limitations.

See the atrazine, Buctril, Banvel and Marksman labels for additional weeds controlled and weed size information.

Weeds controlled or suppressed and height limitations for early postemergence application of Accent SP (1/3 oz/A) plus Beacon (0.38 oz/A) tank mix are listed below. If application is made during cool (<50°F), dry weather or to weeds hardened by cold or drought, the "controlled weeds" may only be suppressed.

Weeds Controlled

Weeds Controlled	Size Range Height (inches)
Giant Foxtail	2-4
Green Foxtail	1-4
Shattercane	4-12
Seedling Johnsongrass	4-12
Fall Panicum	2-4
Sorghum alimum	4-12
Quackgrass	4-8
Cocklebur	1-4
Common Ragweed	2-6
Giant Ragweed	2-6
Eastern Black Nightshade	1-4
Redroot Pigweed	1-4
Pennsylvania Smartweed	1-2
Jimsonweed	1-4
Sunflowers	1-4

Weeds Suppressed

Weeds Suppressed	Size Range Height (inches)
Morningglory	<1.5
Lambsquarters	<1.5
Velvetleaf	1-4
Wild Proso Millet	1-4
Wooly cupgrass	1-4
Sandbur	1-3
Yellow Foxtail	1-4

PRECAUTIONS

See the PENTAGON DG and tank mix partner labels for instructions on the use and timing of cultivation.

Observe all precautions on the PENTAGON DG, Accent SP and Beacon labels, including replanting in the event of crop loss due to weather, use of soil insecticides, use of Accent SP and Beacon tolerant hybrids from seed companies, harvest and grazing intervals, and rotational crop restrictions. If other herbicides are mixed with PENTAGON DG, the label restrictions for these herbicides tank mixtures must also be followed. Always follow the most restrictive instructions on any product label.

For additional information regarding the use of PENTAGON DG herbicide, call telephone number (800) 942-0500.

PE-39009 12/6/93 SP

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²Beacon is a trademark of CIBA

³Banvel is a trademark of Sandoz Ltd

⁴Buctril and Marksman are trademarks of Rhone-Poulenc Ag Company

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2007/95

EPA Reg. No. 241-268

PENTAGON DG Plus PURSUIT® HERBICIDE FOR USE IN FIELD CORN

(APPLY ONLY ON PURSUIT RESISTANT/TOLERANT FIELD CORN HYBRIDS)

USE DIRECTIONS FOR PENTAGON DG PLUS PURSUIT FOR WEED CONTROL IN PURSUIT RESISTANT/TOLERANT FIELD CORN HYBRIDS

OBSERVE ALL PRECAUTIONARY STATEMENTS IN BOTH THE PENTAGON DG AND PURSUIT LEAFLET LABELS BEFORE USING. SEE THE PENTAGON DG LEAFLET, PURSUIT LEAFLET AND SUPPLEMENTAL LABELS FOR PRECAUTIONS, GENERAL INFORMATION, MIXING AND APPLICATION INSTRUCTION, USES WITH OTHER PRODUCTS, WEEDS CONTROLLED AND ROTATIONAL CROPS RESTRICTIONS.

DIRECTIONS FOR USE

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

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

DO NOT apply PENTAGON DG plus PURSUIT tank mix through any type of irrigation system. In sequential application, PENTAGON DG alone can be applied via chemigation. See PENTAGON DG label for chemigation instructions. Apply PURSUIT by ground equipment only.

DO NOT use in California.

GENERAL INFORMATION

This label must be used in conjunction with PURSUIT labeling for use in resistant/tolerant field corn hybrids.

Apply PURSUIT only on selected field corn hybrids warranted by the seed company to possess resistance/tolerance to direct application of PURSUIT (for example: Pioneer IR varieties). DO NOT apply PURSUIT to corn hybrids which lack genetic resistance/tolerance to PURSUIT herbicide. Contact your chemical dealer, seed supplier or American Cyanamid to obtain information regarding PURSUIT resistant/tolerant field corn hybrids.

Observe all use directions given in the PENTAGON DG and PURSUIT labels sections on precautions, general information, mixing and application instructions, uses with other products, weeds controlled and rotational crop restrictions. Additional instructions are given below. Always follow the most restrictive instructions on both product labels.

This label can be used in conventional, minimum tillage, and no tillage systems. For PENTAGON DG plus PURSUIT tank mix applications, follow the instructions in the PENTAGON DG leaflet label in the section on Field Corn Grown in Minimum Tillage Systems, or in a PENTAGON DG Supplemental label for no-tillage systems.

MIXING AND RATES OF APPLICATION

Refer to the PENTAGON DG and PURSUIT labels for mixing instructions.

Refer to the PURSUIT labels for Additive and Mixing Instructions for Postemergence Applications. **POSTEMERGENCE APPLICATIONS OF PURSUIT REQUIRE THE ADDITION OF A NON-IONIC SURFACTANT AND A LIQUID FERTILIZER SOLUTION** (except in states indicated by a footnote on the PURSUIT label). **DO NOT** use crop oil concentrate with the PENTAGON DG plus PURSUIT postemergence tank mixture.

Apply PURSUIT at a broadcast rate of 4 ounces per acre (1/4 pint) for all methods of application.

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Soil Texture	PENTAGON DG (lbs)	PENTAGON DG (lbs)	PENTAGON DG (lbs)
	Less than 1.5% Organic Matter	1.5 to 3.0% Organic Matter	More than 3.0% Organic Matter
Coarse	1.25 to 1.6	2.5	2.5
Medium	1.6 to 2.5	2.5	2.5 to 3.3
Fine	1.6 to 2.5	2.5 to 3.3	3.3

NOTES: Use the higher rate of PENTAGON DG if heavy weed populations are anticipated, or if shattercane or hard-to-control weed species will be present, or if extensive crop residues were present following seedbed preparation, or if soil organic matter falls in high end of range. Refer to the PENTAGON DG leaflet label section on Soil Textures for soil type classifications. **DO NOT** use PENTAGON DG on peat or muck soils.

APPLICATION INSTRUCTIONS

DO NOT apply PENTAGON DG plus PURSUIT tank mix under extended cold (below 50°F) and wet weather conditions, or when cold, wet conditions are predicted.

DO NOT INCORPORATE PENTAGON DG or serious corn injury can result.

One application per growing season of one of the following PENTAGON DG plus PURSUIT herbicide treatments may be applied in PURSUIT resistant/tolerant field corn hybrids. See the PURSUIT label for weed height limitations for PURSUIT postemergence applications.

- 1. PREEMERGENCE tank mixture (surface treatment after planting) of PENTAGON DG plus PURSUIT.** Apply after planting, but before weeds or corn emerge. **DO NOT** incorporate.
- 2. EARLY POSTEMERGENCE tank mixture of PENTAGON DG plus PURSUIT.** Apply when the corn and weeds are actively growing. Tank mix applications can be made to corn up to the the 5-leaf stage and before weeds exceed a height of 3 inches, unless otherwise indicated on the PURSUIT label. **DO NOT** incorporate.
- 3. Sequential applications of PURSUIT PREPLANT followed by PENTAGON DG PREEMERGENCE (surface treatment after planting).** Apply PURSUIT alone as an early preplant or preplant incorporated treatment. Then apply PENTAGON DG alone after planting but before weeds or corn emerge. **DO NOT** incorporate PENTAGON DG.

- 4. Sequential applications of PENTAGON DG PREEMERGENCE (surface treatment after planting) followed by PURSUIT POSTEMERGENCE.** Apply PENTAGON DG afterplanting, but before weeds or corn emerge. **DO NOT** incorporate PENTAGON DG. Then apply PURSUIT before the corn exceeds the 8-leaf stage and before weeds exceed a height of 3 inches, unless otherwise indicated on the PURSUIT label.

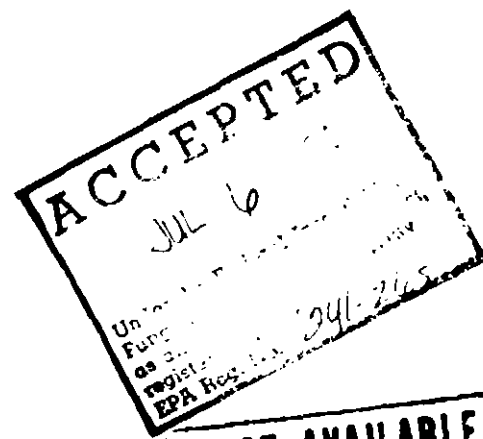
PRECAUTIONS

Observe all precautions on the PENTAGON DG and PURSUIT labels, including replanting in the event of crop loss due to weather, use of soil insecticides, use of imidazolinone tolerant hybrids from other seed companies, harvest and grazing intervals, and rotational crop restrictions. If other herbicides are mixed with the PENTAGON DG plus PURSUIT tank mixture, the label restrictions for these herbicides tank mixtures must also be followed. Always follow the most restrictive instructions on any product label.

For additional information regarding the use of PENTAGON DG herbicide, call telephone number (800) 942-5000.

PE-39011 11/19/93 SD

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Agricultural Products Division
Crop Protection Chemicals Department
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EPA Reg. No. 241-268

**FOR USE IN COTTON
TO AID IN THE CONTROL, OR REDUCE COMPETITION FROM,
LANCELEAF SAGE (MINTWEED)**

OBSERVE ALL PRECAUTIONARY STATEMENTS, MIXING INSTRUCTIONS, AND ROTATIONAL CROP RESTRICTIONS IN THE PENTAGON DG LABEL BEFORE USING.

DIRECTIONS FOR USE

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

NOTE: Existing living vegetation must be controlled at or before the application of PENTAGON DG. This may be accomplished by applying a registered contact herbicide, or by using PENTAGON DG or PENTAGON DG tank mixtures with such a contact herbicide. Consult the contact herbicide label for all directions, precautions, and restrictions.

Apply PENTAGON DG or TRI-4® HF (trifluralin) herbicide preplant incorporated at labeled use rates. In order to suppress lanceleaf sage (mintweed; *Salvia reflexa*), follow standard PPI treatments with an application of PENTAGON DG preemergence (split shot) at planting or up to 2 days after planting. Apply PENTAGON DG preemergence at 1.25 lbs/A on coarse soils, or 1.6 lbs/A on medium and fine soils. Refer to the PENTAGON DG leaflet label for soil type classifications. Cotton seed must be covered with soil to prevent direct contact from the preemergence PENTAGON DG application or crop injury may occur. **DO NOT** apply more than 3.3 lbs. of PENTAGON DG per season.

DO NOT use planter seed covering mechanisms to incorporate preemergence PENTAGON DG treatments. Excessive, or deep cultivation can reduce mintweed control by moving untreated soil into the rows. Rainfall or irrigation is required within 7 days of application for maximum mintweed activity. If application is delayed and rainfall is received before preemergence application is made, reduced activity on mintweed may result on the first flush of mintweed. PENTAGON DG will not control actively growing mintweed.

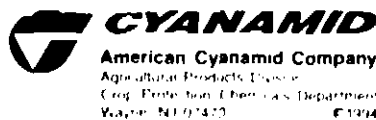
PENTAGON DG may be applied in combination with other registered herbicides. Consult the PENTAGON DG label for tank mix directions. All applicable directions, restrictions, and precautions on the EPA registered label(s) are to be followed. Refer to the PENTAGON DG leaflet label for specific directions regarding mixing, spraying, and liquid fertilizer compatibility determinations.

DO NOT apply more than 3.3 lbs. of PENTAGON DG per season.

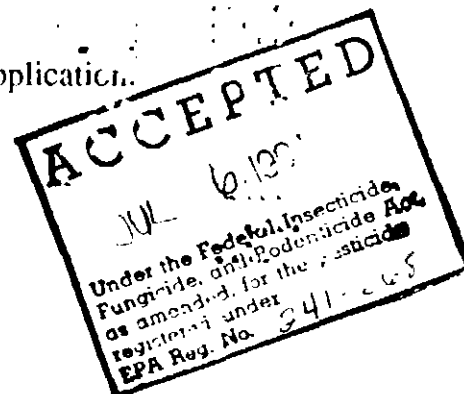
This label must be in the possession of the user at the time of herbicide application.

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FOR USE IN DIRECT-SEEDED AND TRANSPLANTED DRY BULB ONIONS

OBSERVE ALL PRECAUTIONARY STATEMENTS, MIXING AND APPLICATION INSTRUCTIONS, AND ROTATIONAL CROP RESTRICTIONS IN THE PENTAGON DG LEAFLET LABEL BEFORE USING. REFER TO THE PENTAGON DG LEAFLET LABEL FOR WEEDS CONTROLLED.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of herbicide application.

PENTAGON DG herbicide controls most annual grasses and certain broadleaf weeds as they germinate, but it will not control established weeds. Destroy existing weeds before or during application of PENTAGON DG. Unusually cold, excessively wet, or hot and dry conditions that delay germination or extend it over a long period of time may reduce weed control.

PENTAGON DG will not cause crop injury when applied according to the label under normal growing conditions. Over-application may result in injury to crops, poor stands, or soil residues; conversely, uneven application may reduce weed control. Diseases, cold weather, excessive moisture, deep planting, low or high pH, salinity, drought, or wind-blown sand or soil may weaken seedlings and plants and make them more susceptible to herbicidal damage.

Uniformly apply in 10 or more gallons of water per acre with ground equipment, or 5 or more gallons of water per acre with aircraft. DO NOT apply this product through any type of irrigation or chemigation system. PENTAGON DG treatments are most effective when adequate rainfall or overhead irrigation is received within 7 days after application. DO NOT mechanically incorporate except as specified for use in the Texas High Plains. DO NOT apply to green (bunching) onions.

MINERAL SOILS

See the PENTAGON DG leaflet label for follow crop restrictions, including specific restrictions for rotating to sugar beets, red beets, spinach, winter wheat, and winter barley. If loss of onion crop occurs due to adverse weather conditions, any crop registered for preplant incorporated use of PENTAGON DG can be replanted the same year. If replanting is necessary, DO NOT rework the soil deeper than 2 inches.

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In all states except California:

Apply PENTAGON DG as a broadcast treatment when onions have 2 to 9 true leaves. DO NOT apply within 45 days of harvest.

Additional Use In Michigan:

For mineral soils containing >10% organic matter, follow directions for muck soils (see reverse side of this label).

Additional Use In Texas High Plains:

For transplanted onions only, apply and shallow incorporate (less than 2" deep) PENTAGON DG into preformed beds prior to transplanting.

In California:

PENTAGON DG may only be applied as a single application at rates shown in the table below when onions have 2 to 6 true leaves. DO NOT apply within 60 days of harvest.

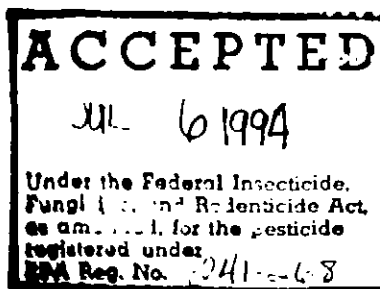
Broadcast Rate* per Acre of PENTAGON DG Herbicide For Use On Mineral Soils In All States

Soil Texture**	PENTAGON DG (pounds)
Coarse	0.8 to 1.25
Medium	1.25 to 1.6
Fine	1.25 to 2.5

*Use the high rate for each soil type if heavy weed infestations are anticipated. DO NOT apply more than the maximum recommended rate in one growing season.

**Refer to the PENTAGON DG leaflet label for soil texture classification.

(See other side)



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PENTAGON DG herbicide may be applied sequentially on muck soils as follows:

- a) Preemergence through loop stage - 1.6 to 3.3 pounds per acre.
- b) Early postemergence (onions at the 2 to 6 true leaf stage) - 2.5 to 3.3 pounds per acre.
- c) Late postemergence (onions at the 6 to 9 true leaf stage) - 2.5 to 3.3 pounds per acre.

DO NOT apply more than 10 pounds per acre per growing season on muck soils. To maximize crop safety, ensure good soil coverage during planting or transplanting and delay preemergence applications to the loop stage if possible. **DO NOT** apply PENTAGON DG preemergence through the loop stage if heavy rains are expected or else severe crop injury may result. If irrigating immediately after PENTAGON DG application at the preemergence through loop stage, **DO NOT** irrigate in excess of 0.5 inch of water. **DO NOT** apply within 45 days of harvest. **DO NOT** plant sugar beets, red beets, spinach, winter wheat, or winter barley as rotational crops for 12 months from the time of last application if more than 2.5 pounds per acre of PENTAGON DG is applied to the onion crop; see the PENTAGON DG leaflet label for additional follow crop restrictions. If loss of onion crop occurs due to adverse weather conditions, **DO NOT** replant any crop other than onions in muck soil and **DO NOT** rework the soil deeper than 2 inches. **DO NOT** use on muck soils in California.

For additional information regarding the use of PENTAGON DG herbicide, call telephone number (800) 942-0500.

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EPA Reg. No. 241-268

JUL 6 1994
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 241-268

FOR USE IN FIELD CORN GROWN IN NO-TILL SYSTEMS

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PENTAGON DG LEAFLET LABEL BEFORE USING. SEE THE PENTAGON DG LEAFLET LABEL FOR PRECAUTIONS, GENERAL INFORMATION, MIXING AND APPLICATION AND SPRAYING INSTRUCTIONS, USE RATES, USES WITH OTHER PRODUCTS, WEEDS CONTROLLED, AND ROTATIONAL CROP RESTRICTIONS.

DIRECTIONS FOR USE

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

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

CHEMIGATION: Refer to the PENTAGON DG leaflet label for use directions for chemigation. **DO NOT** apply this product through any type of irrigation system unless the label instructions on chemigation are followed.

DO NOT use in California.

PENTAGON DG herbicide controls labeled weeds as they germinate, but it will not control established weeds. Destroy existing weeds before applying PENTAGON DG (except as recommended in specific postemergence combination treatments).

DO NOT apply tank-mix combinations unless each product is labeled for use in no-till systems. If other herbicides are mixed with PENTAGON DG, the label restrictions for these herbicides must also be followed. Observe the most restrictive instructions on any product label.

PENTAGON DG alone and in tank-mix combinations may be applied in field corn grown in no-till systems. **PLANT CORN AT LEAST 1 1/2 INCHES DEEP. CORN SEED MUST BE COMPLETELY COVERED WITH SOIL.** The use of no-till planters under conditions which do not allow good soil coverage of the corn seed can result in reduced crop stand or injury if PENTAGON DG contacts germinating corn seed. Check equipment to ensure good seed coverage. Apply in 20 or more gallons of spray solution per acre.

For additional information regarding the use of PENTAGON DG herbicide, call telephone number (800) 942-0500.

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PE-39012 12/15/93 SD

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