

DEC 3 - 1993

Mrs. Desiree L. Little  
American Cyanamid Co.  
P.O. Box 400  
Princeton, NJ 08543

Dear Mrs. Little:

Subject: Supplemental Labels-Corn Imi Hybrids  
PURSUIT® DG Herbicide  
EPA Reg. No. 241-350  
Your application dated Sept. 20, 1993

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cited all data or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

We note that this labeling does not bear the required worker protection statements as outlined in PR Notices 93-7 and 93-11. We are aware that you have submitted labels in accordance with the instructions in those Notices. The new protective language in those submissions must be melded into this label for any shipments released after the deadlines that have been established. You may opt to do so immediately if you are electing the self-verification option, or after acceptance by the special Agency Worker Protection Standard review group (WSP). Finished printed labels should be submitted after acceptance by the WSP and in accordance with their instructions.

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*J. Taylor*

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Robert J. Taylor  
Product Manager 25  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosure

EPA Reg. No. 241-350

DEC 3 - 1993

**FOR USE ON FIELD CORN  
(APPLY ONLY ON IMI-CORN HYBRIDS)**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, this product is  
registered under EPA Reg. No. 241-350

**USE DIRECTIONS FOR THE USE OF PURSUIT DG FOR WEED CONTROL  
IN IMI-CORN HYBRIDS**

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PURSUIT DG LEAFLET LABEL BEFORE USING. SEE THE PURSUIT DG LEAFLET LABEL FOR PRECAUTIONS, WORKER PROTECTION STANDARD REQUIREMENTS, APPLICATION INFORMATION, USES WITH OTHER PRODUCTS 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.

**DO NOT** apply this product through any type of irrigation system.

This label expires December 31, 1994.

**GENERAL INFORMATION**

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

PURSUIT DG can be applied as an early preplant, preplant incorporated, preemergence or postemergence treatment on IMI-Corn hybrids.

Crops growing under stressful environmental conditions can exhibit various injury symptoms which may be more pronounced if herbicides are used. Corn plants treated with PURSUIT DG may exhibit yellowing on new growth. Such effects occur infrequently and are temporary. Normal growth and appearance should resume within 1 to 2 weeks. These effects will not affect crop yields.

Within any weed population, there may be the potential for the occurrence of weeds resistant to herbicides when compounds that affect the same site of action are used continuously on the same acre. Therefore, any multiple year weed management program should include, when local agronomic practices allow, as many of the following practices as possible:

- use scouting and weed thresholds to determine the need for herbicide treatment
- utilize tank-mixes or sequential applications of different mode-of-action herbicides to control the same target weeds
- combine cultivation with herbicide treatments

See your Cyanamid representative for additional information.

Replanting: If replanting is necessary in a field previously treated with PURSUIT DG, the field may be replanted to IMI-Corn, soybeans, peanuts, lima beans or southern peas. Rework the soil no deeper than the treated zone. **DO NOT** apply a second treatment of PURSUIT DG herbicide.

**MIXING INSTRUCTIONS**

Fill the spray tank one-fourth to one-half full with clean water. Add the required number of soluble packets of PURSUIT DG to the spray tank while agitating. Add adjuvants and fill the remainder of the tank with clean water.

When tank-mixing PURSUIT DG with recommended herbicides, add the other herbicides and adjuvants in the following order while agitating:

1. Fill spray tank 1/4 to 1/2 full with clean water.
2. Add PURSUIT DG ECO-PAKS and thoroughly mix.
3. Add other soluble packet products and thoroughly mix.
4. Add WP (wetable powder), DG (dispersible granule), DF (dry flowable), or LF (liquid flowable) formulations not in soluble packets.
5. Add aqueous solution products.
6. Add EC (emulsifiable concentrate) products.
7. Add surfactant or crop oil to the spray tank.
8. Add liquid fertilizer.
9. While agitating, fill the remainder of the tank with water.

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preplant, preplant-incorporated, preemergence (minimum and no-till), and postemergence. At this broadcast rate, one soluble bag of PURSUIT DG will treat 5 acres of IMI-Corn.

NOTE: Only one application of PURSUIT DG may be made during the growing season.

## PURSUIT DG HERBICIDE USE AREA (Not for use in California)

DO NOT apply PURSUIT DG to IMI-Corn in North Dakota or in Minnesota north of state highway 210.

### APPLICATION INSTRUCTIONS POSTEMERGENCE

Apply PURSUIT DG herbicide as a postemergence treatment to IMI-Corn when crop and weeds are actively growing. Apply PURSUIT DG before weeds exceed a height of 3 inches, unless otherwise indicated (see PURSUIT DG leaflet label). More restrictive crop growth stage limitations of tank-mix partners must be followed.

#### ADDITIVES:

POSTEMERGENCE APPLICATIONS OF PURSUIT DG REQUIRE THE ADDITION OF AN ADJUVANT AND A LIQUID FERTILIZER<sup>1</sup> SOLUTION.

#### I. ADJUVANTS

**SURFACTANTS:** Use a non-ionic surfactant containing at least 80% active ingredient. Apply the surfactant at the rate of 1 quart per 100 gallons of spray solution

OR

**CROP OIL CONCENTRATE:** Instead of a surfactant, a petroleum or vegetable seed oil based crop oil concentrate (such as SUN-IT II™) may be used. SUN-IT II is recommended when weeds are under moisture or temperature stress. Use SUN-IT II or other methylated seed oils at the rate of 1.5 - 2 pints per acre (use the higher rate when weeds are at the maximum label size), or use a crop oil concentrate at 2 pints per acre.

<sup>1</sup>Liquid fertilizer solutions are not required in PURSUIT DG applications in use areas south of Interstate highway 40.

<sup>2</sup>In some cases the grass activity of PURSUIT DG will be reduced when used in combination with atrazine, Buctril, Banvel, Isasagran, Clarity, or Marksman.

<sup>3</sup>Some corn leaf burn may result with Buctril or atrazine postemergence combinations with PURSUIT DG.

<sup>4</sup>Applications of Banvel or Clarity herbicide to corn during periods of rapid growth may result in temporary leaning.

at the rate of 1-2 quarts per acre. Use the higher rate when weeds are under moisture or temperature stress. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 2.5 lbs per acre.

DO NOT apply PURSUIT DG ECO-PAKS with a liquid fertilizer as a carrier for postemergence applications.

### SOIL APPLICATIONS

PURSUIT DG herbicide can be applied as an early preplant, preplant incorporated, or preemergence treatment in IMI-Corn.

PURSUIT DG can be applied to the soil in liquid fertilizers, alone or in combination with PROWL 3.3EC, Lasso EC, Lasso MT or Dual. Follow all PURSUIT DG label recommendations regarding incorporation, timing of application, special instructions and precautions. Apply treatments in 20 or more gallons of liquid fertilizer per acre with ground equipment. Always test the compatibility of PURSUIT DG herbicide with the liquid fertilizer before mixing in the spray tank.

### SEQUENTIAL HERBICIDE COMBINATIONS WITH PURSUIT DG

PURSUIT DG FOLLOWING EARLY PREPLANT APPLICATION OF:

2,4-D	Frontier™
Bicep™, Bicep Lite™	Gramoxone Extra™
Bullet™	Lasso EC™
Bronco™	Lasso MT™
Dual™	Roundup™
Extrazine II™	

PURSUIT DG FOLLOWING PREPLANT INCORPORATED APPLICATION OF:

Atrazine <sup>2</sup>	Extrazine II
Bicep™, Bicep Lite™	Frontier
Bullet™	Lariat™
Dual	Lasso EC, Lasso MT
Eradicane Extra™	Sutan+™

PURSUIT DG FOLLOWING PREFEMERGENCE APPLICATION OF:

Atrazine	Dual
Banvel™,2	Extrazine
Bicep, Bicep Lite	Frontier
Bladex™ 4L	Lariat
Bladex 90DF	Lasso EC, Lasso MT
Bronco	Marksman™
Bullet	PROWL® 3.3EC
Clarity™,2	

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### TANK-MIX HERBICIDE COMBINATIONS WITH PURSUIT DG

#### EARLY PREPLANT APPLICATION OF PURSUIT DG TANK-MIXED WITH:

2,4-D	Gramoxone Extra
Bronco	Lasso EC
Dual	Lasso MT
Frontier	Roundup

#### PREPLANT INCORPORATED APPLICATION OF PURSUIT DG TANK-MIXED WITH:

Atrazine	Extrazine
Bicep, Bicep Lite	Frontier
Bullet	Lariat
Dual	Lasso EC, Lasso MT
Eradicane Extra	Sutan+

#### PREEMERGENCE APPLICATION OF PURSUIT DG TANK-MIXED WITH:

Atrazine	Dual
Banvel	Extrazine
Bicep, Bicep Lite	Frontier
Bladex 4L	Lariat
Bladex 90DF	Lasso EC, Lasso MT
Bronco	Marksman
Bullet	PROWL 3.3EC
Clarity	

#### POSTEMERGENCE APPLICATIONS OF PURSUIT DG TANK-MIXED WITH:

Atrazine <sup>3</sup>	Frontier
Banvel <sup>4</sup>	Lasso EC, Lasso MT
Basagran <sup>TM, 2</sup>	Marksman
Buctril <sup>TM, 2,3</sup>	PROWL 3.3EC
Clarity <sup>4</sup>	Sencor DF <sup>TM</sup>
Dual	Sencor 4L <sup>TM</sup>

DO NOT use crop oil concentrates as adjuvants in PURSUIT DG herbicide combinations with Banvel, Buctril, Clarity, Marksman, Sencor DF or Sencor 4L.

DO NOT tank-mix PURSUIT DG with Accent<sup>TM</sup> or Beacon<sup>TM</sup>.

PURSUIT DG is active against many broadleaf and grass species. However, for long term weed management, alternate mode of action herbicides are recommended with PURSUIT DG. The application of a soil applied grass herbicide underlay will control grass weeds not on the PURSUIT DG label and enhance the control of certain broadleaf weeds such as common lambsquarters.

When PURSUIT DG herbicide is used in combination with another herbicide, refer to the respective label for rates, methods of application, proper timing, weeds controlled, restrictions and precautions. Always use in accordance with the more restrictive label restrictions and precautions.

### AERIAL APPLICATIONS

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. When applied POSTEMERGENCE, the addition of a non-ionic surfactant AND fertilizer solution are required for optimum weed control. Apply a non-ionic surfactant at the rate of 1 quart per 100 gallons of spray mixture OR a crop oil concentrate at the rate of 1.5 - 2 pints per acre AND a liquid fertilizer at the rate of 1 quart per acre.

To avoid injury to sensitive crops from drift, aerial applicators must adhere to the following SPECIAL AERIAL USE DIRECTIONS AND PRECAUTIONS.

- Nozzle height above ground must be a maximum of 10 feet.
- Nozzles must be pointed toward the rear of the aircraft. The downward angle of the nozzle should not be greater than 20 degrees.
- To minimize wing-tip vortex roll, nozzles or spray boom must not be located any closer to end of wing or rotor than three-fourths the distance from the center of the aircraft.
- Use a maximum spray pressure of 40 psi.
- A buffer zone must be established between the area to be sprayed and sensitive crops.
- DO NOT spray when wind velocity is greater than 5 mph. Coarse sprays (larger droplets) are less likely to drift.

Applicator is responsible for any loss or damage which results from spraying PURSUIT DG in a manner other than recommended in this label. In addition, applicator must follow all applicable state and local regulations and ordinances in regard to spraying.

When applied as directed at the broadcast rate of 1.44 ounces per acre, PURSUIT DG will control or reduce competition from the weeds listed below.

NOTE: C = Control      R = Reduced Competition

#### BROADLEAF WEEDS

Weeds Controlled	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Alligator weed		4	1 - 3
Anoda, spurred	C	2	1 - 2
Artichoke, Jerusalem		8	6 - 10
Buffalobur	C*	R	1 - 3
Bristly starbur		2	1 - 2
Carpetweed	C		
Cocklebur, common	R	8	1-8
Galinsoga	C		
Jimsonweed	C*	4	1 - 3
Kochia	C	4	1 - 3
Lambsquarters, common	C*	R	1 - 2
Mallow, Venice	R		
Marshelder	C	4	1 - 3

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**BROADLEAF WEEDS (Continued)**

**GRASS WEED (Continued)**

Weeds Controlled	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Morningglory,			
entireleaf	R	2	1 - 2
ivyleaf	R	2	1 - 2
pitted	R	2	1 - 2
smallflower	C	4	1 - 3
tall	R	2	1 - 2
Mustard sp.	C	4	1 - 3
Nightshade,			
black	C	4	1 - 3
Eastern black	C	4	1 - 3
hairy	C	4	1 - 3
Pigweed,			
palmer	C	8	1 - 8
redroot	C	8	1 - 8
smooth	C	8	1 - 8
spiny	C	8	1 - 8
Poinsettia, wild	C		
Puncturevine	C		
Purslane, common	C		
Pusley, Florida	C		
Sida, prickly	C*		
Ragweed,			
common	R	4	1 - 3
giant	R	4	1 - 3
Sage, barnyard		R	1 - 3
Smartweed,			
ladysthumb	C	4	1 - 3
Pennsylvania	C	4	1 - 3
Spurge,			
prostrate	C	4	1 - 3
spotted	C	4	1 - 3
Sunflower	C*	4	1 - 3
Velvetleaf	C*	4	1 - 3
Thistle, Canada		R	1 - 3
Waterhemp, tall	C	4	1 - 3

\*When PURSUIT DG is soil applied, these weeds are more consistently controlled by preplant incorporated treatments.

**DONOT** count cotyledon leaves when determining weed stage of growth.

**GRASS WEEDS**

Weeds Controlled	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Barnyardgrass	R	3	1 - 3
Crabgrass,			
large	R	3	1 - 3
smooth	R	3	1 - 3
Cupgrass, woolly		3	1 - 3

Weeds Controlled	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Foxtail,			
giant	C	6	1 - 6
green	C	3	1 - 3
giant green	C	3	1 - 3
Goosegrass	R		
Johnsongrass,			
seedling	C	6	1 - 8
rhizome		R	1 - 8
Millet, wild proso	R	R	1 - 3
Panicum,			
fall	R		
Texas	R		
Red rice		3	1 - 3
Sandbur, field	R	R	≤1
Shattercane	R	6	1 - 8
Signalgrass, broadleaf	R	4	1 - 8
Sorghum alnum	R	6	1 - 3

**SEDGES**

Nutsedge,			
purple	R	R	1 - 3
yellow	R	R	1 - 3

When PURSUIT DG herbicide is applied to grasses, preplant incorporated treatments of PURSUIT DG are more consistent.

(The number under Maximum Leaf Stage indicates the MAXIMUM number of leaves at which weeds should be sprayed postemergence.)

**ROTATIONAL CROPS**

Refer to the PURSUIT DG leaflet label for further rotational crop restrictions.

The following rotational crops may be planted after applying PURSUIT DG herbicide at the recommended rate in corn:

- Anytime
 

Lima beans	Peanuts
Southern peas	IMI-Corn
Soybeans	
- Four months after PURSUIT DG application:
  - Rye
  - Wheat
  - Edible beans and peas (other than lima beans and southern peas)
- Eight and one-half months after PURSUIT DG application:
  - Field corn
  - Field corn grown for seed\*

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