

**PURSUIT® PLUS herbicide**  
**FOR USE IN SOYBEANS**

**ACCEPTED**  
MAR - 7 1989  
Under the Federal Insecticide, Fungicide and  
Rodenticide Act, as Amended  
Pesticide registered under  
EPA Reg. No. 241-315

**ACTIVE INGREDIENTS:**

Ammonium salt of imazethapyr ( $\pm$ )-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid\* . . . 2.39%

pendimethalin (N-1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine . . . . . 31.66%

**INERT INGREDIENTS** . . . . . 65.95%

**TOTAL** . . . . . 100.00%

\*Equivalent to 2.26%, ( $\pm$ )-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid.

PURSUIT PLUS contains 3.0 pounds of active ingredients per gallon (2.8 pounds of pendimethalin and 0.2 pounds acid equivalent of imazethapyr).

EPA Reg. No. 241-

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION!**

**PRECAUCION:**

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**STATEMENT OF PRACTICAL TREATMENT**

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

In case of an emergency endangering life or property involving this product, call collect, day or night, Area Code 201-835-3100.

**See Next Page for Additional Precautionary Statements**

**AMERICAN CYANAMID COMPANY**  
**AGRICULTURAL DIVISION**  
**CROP PROTECTION CHEMICALS DEPARTMENT**  
**WAYNE, NJ 07470 c1988**

**Net Contents: 2.5 gallons**  
**(9.45 liters)**

**D41**  
**12/88**

\* Registered Trademark of American Cyanamid Company

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

**CAUTION**

Harmful if inhaled or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

Drift or runoff may adversely effect nontarget plants.

This product is toxic to fish. DO NOT apply directly to water or wetlands. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. DO NOT contaminate water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

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

This labeling must be in the possession of the user at the time of pesticide application.

Observe all cautions and limitations in this leaflet. The use of PURSUIT PLUS not consistent with this label can result in injury to crops, animals, or persons. Keep container closed to avoid spills and contamination.

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

**STORAGE AND DISPOSAL**

**STORAGE:** KEEP FROM FREEZING. DO NOT STORE BELOW 32°F. SHAKE WELL BEFORE USING.

DO NOT contaminate water, food, or feed by storage or disposal.

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

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**DISCLAIMER**

The label instructions for the use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use.

Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc.

American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or MERCHANTABILITY. USER assumes the risk of any use contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable by American Cyanamid Company.

**GENERAL INFORMATION**

PURSUIT PLUS may be applied in conventional tillage or in minimum or no-till soybean practices. Apply PURSUIT PLUS preplant incorporated from 45 days prior to planting up to planting. PURSUIT PLUS may be surface applied (up to 45 days) prior to planting soybeans. After PURSUIT PLUS is applied, some susceptible weeds emerge, growth stops, and the weeds either die or are not competitive with the crop.

The weed killing activity of PURSUIT PLUS involves herbicide uptake by weed roots and rapid translocation to the growing points. Therefore, adequate soil moisture is important for optimum PURSUIT PLUS activity. When adequate soil moisture is present, PURSUIT PLUS will provide residual control of susceptible germinating weeds.

Some dwarfing of soybean plants may occur with PURSUIT PLUS applications. This is the result of shortened plant internodes and has no effect on soybean yields.

Replanting: If replanting is necessary in a field previously treated with PURSUIT PLUS, the field may be replanted to soybeans. Rework the soil no deeper than the treated zone. Do not apply a second treatment of PURSUIT PLUS.

**MIXING INSTRUCTIONS**

Fill the spray tank one-half to three-quarters full with clean water. While agitating add the required amount of product and then fill the remainder of the tank with water. Maintain agitation while spraying to ensure a uniform spray mixture.

When PURSUIT PLUS is tank mixed with paraquat or Roundup<sup>1</sup>, add PURSUIT PLUS to the tank first, next add PROWL<sup>®</sup> (if used), then add paraquat or Roundup. When paraquat is included in a tank mixture, add 8 ounces of non-ionic surfactant per 100 gallons of spray mixture as the last ingredient in the tank.

**SPRAYING INSTRUCTIONS**

**GROUND APPLICATIONS:**

Uniformly apply with properly calibrated ground equipment in 10 to 40 gallons of water per acre. A spray pressure of 20 to 40 recommended.

To ensure thorough coverage, use a minimum of 20 gallons of water per acre when applying PURSUIT PLUS to minimum or no-till soybeans. Use higher gallonage for fields with dense vegetation or heavy crop residues.

DO NOT apply with ground equipment when wind velocity is greater than 10 mph.

**APPLICATIONS WITH LIQUID FERTILIZER:**

PURSUIT PLUS can be applied to the soil in liquid fertilizers, alone or in combination with PROWL, trifluralin, Lasso<sup>1</sup> or Dual<sup>2</sup>. Follow all PURSUIT PLUS 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.

**USE RATE  
(2 1/2 PINTS PER ACRE)**

Apply PURSUIT PLUS at a broadcast rate of 2 1/2 pints per acre for all methods of application: preplant incorporated and preemergence (including minimum and no-till). At this broadcast rate, one gallon of PURSUIT PLUS will treat 3.2 acres of soybeans.

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

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<sup>1</sup>Roundup and Lasso is a trademark of Monsanto Agricultural Products Company.

<sup>2</sup>Dual is a trademark of Ciba Geigy Corporation.

<sup>®</sup>Registered Trademark of American Cyanamid Company.

**WEEDS CONTROLLED**

The following grass and broadleaf weeds are controlled by recommended treatments of PURSUIT PLUS:

**GRASSES**

- |               |                        |
|---------------|------------------------|
| Barnyardgrass | Goosegrass             |
| Crabgrass     | Johnsongrass, seedling |
| large         | Panicum                |
| smooth        | browntop               |
| Crowfootgrass | fall                   |
| Foxtail       | Texas                  |
| giant         | Sandbur, field         |
| green         | Shattercane**          |
| giant green   | Signalgrass, broadleaf |
| robust purple | Witchgrass             |
| robust white  |                        |
| yellow        |                        |

*Cyperus, woolly\*\**

**BROADLEAF WEEDS**

- |                       |                         |
|-----------------------|-------------------------|
| Carpetweed            | Puncturevine            |
| Cocklebur, common*    | Purshlane, common       |
| Galinsoga             | Pusley, Florida         |
| Jimsonweed*           | Sida, prickly (Teaweed) |
| Kochia                | Smartweed               |
| Lambsquarters, common | ladysthumb              |
| Mallow, Venice        | Pennsylvania            |
| Morningglory          | Spurge                  |
| smallflower           | prostrate               |
| Mustard Species       | spotted                 |
| Nightshade            | Sunflower, common       |
| black                 | Velvetleaf              |
| Eastern black         | Waterheap, tall         |
| hairy                 |                         |
| Pigweed               |                         |
| palmer                |                         |
| redroot               |                         |
| smooth                |                         |
| spiny                 |                         |

PURSUIT PLUS will aid in the control and reduce competition from:

- |                         |                    |
|-------------------------|--------------------|
| Itchgrass**             | Ragweed            |
| Johnsongrass, rhizome** | common             |
| Millet, wild proso**    | giant**            |
| Morningglory            | Nutsedge, yellow** |
| entireleaf              |                    |
| ivyleaf                 |                    |
| pitted                  |                    |
| tall                    |                    |

\* Preplant incorporated treatments only for best results and for light to moderate infestations.  
 \*\* Preplant incorporated treatments only.

**SOIL APPLICATION INSTRUCTIONS**

PURSUIT PLUS may be soil applied prior to planting (up to 45 days) in conventional, reduced, or no-till soybeans. DO NOT apply after planting soybeans as crop injury may occur. PURSUIT PLUS may be surface applied or incorporated into the soil prior to planting.

PURSUIT PLUS controls weeds by uptake by weed roots and translocation to the growing points where it stops weed growth.

Adequate soil moisture is required for optimum activity. For surface applications, rainfall or overhead irrigation is necessary to move PURSUIT PLUS into the weed germination zone. The amount of rainfall or irrigation required following application depends on existing soil moisture, soil texture and organic matter content. Sufficient water to moisten the soil to a depth of 2 inches is normally adequate. If adequate moisture is not received within 7 days after a surface-applied treatment, then a cultivation is recommended to control escaped weeds. When adequate moisture is received after dry conditions, PURSUIT PLUS will provide residual control of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil.

**PREEMERGENCE APPLICATIONS**

**SURFACE APPLICATIONS MADE BEFORE PLANTING**

PURSUIT PLUS may be surface applied prior to soybean planting (to up 45 days). If sufficient rain does not occur before planting to activate PURSUIT PLUS, mechanically incorporate before planting.

**SURFACE APPLICATIONS MADE AFTER PLANTING (preemergence)**

PURSUIT PLUS may be surface applied (preemergence application) up to 2 days after soybean planting South of Interstate Highway I-80 only. DO NOT APPLY PURSUIT PLUS AFTER SOYBEAN PLANTING North of Interstate Highway I-80.

Note: Surface applications made prior to soybean planting and not incorporated within 7 days of application are consider preemergence applications with respect to weeds controlled.

PURSUIT PLUS may be applied 45 days prior to planting up to planting, but before crop emergence.

## NO-TILL OR REDUCED-TILLAGE:

Apply PURSUIT PLUS treatments from 45 days prior to planting up to soybean planting but before crop emergence. To ensure thorough coverage, use a minimum of 20 gallons of water per acre. Use higher gallonage for fields with dense vegetation or heavy crop residues. Use ground equipment only.

If vegetation is present, apply paraquat or Roundup in combination with PURSUIT PLUS. Refer to the respective labels for rates, methods of application, proper timing, weeds controlled, restrictions, and precautions. Use ground equipment only.

When PURSUIT PLUS is tank mixed with paraquat or Roundup, add PURSUIT PLUS to the tank first then add paraquat or Roundup. When paraquat is included in a tank mixture, add 8 ounces of non-ionic surfactant per 100 gallons of spray mixture as the last ingredient in the tank.

NOTE: Adjust planters to ensure adequate seed coverage.

### PREPLANT INCORPORATED APPLICATIONS

PURSUIT PLUS may be applied following land preparation and should be thoroughly incorporated to a depth of 1 to 2 inches. Application may be made up to 45 days prior to planting. Incorporate prior to soybean planting and within 7 days of application. Mechanical incorporation can be achieved by the following:

- (a) Disk harrow set to cut 3 to 4 inches deep and operated at 4 to 6 mph with the second pass at an angle to the first.
- (b) PTO-driven equipment (tillers, cultivators, hoes) set to cut 2-3 inches deep and operated one time at 4 mph or less.
- (c) Rolling cultivator set to cut 2 to 4 inches deep and operated two times at 6 to 8 mph. Use only on coarse textured soils.
- (d) Field cultivator with 3 to 4 rows of sweeps (Do not use chisel points), spaced at intervals of 7 inches or less and staggered so that no soil is left unturned, set to cut 3 inches deep, and operated two times at more than 5 mph with the second pass made at an angle to the first.
- (e) LELY-Roterra<sup>3</sup> set and operated according to the manufacturer's directions to thoroughly incorporate PURSUIT PLUS to a depth of 1 to 3 inches.
- (f) Do-All set and operated according to the manufacturer's directions to thoroughly incorporate PURSUIT PLUS to a depth of 1 to 3 inches.
- (g) Do-All set and operated according to the manufacturer's directions to incorporate PURSUIT PLUS 1 to 3 inches deep and operated at 4 to 6 mph.

If soybeans are planted on beds, apply and incorporate after bed formation using PTO-driven equipment or a rolling cultivator.

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<sup>3</sup>LELY-Roterra is a trademark of Lely.

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## ROTATIONAL CROP RESTRICTIONS

The following rotational crops may be planted after applying PURSUIT PLUS at the recommended rate in soybeans:

1. Four months after application:
  - Barley
  - Wheat
  
2. Nine and one-half months after application:
  - Edible beans (snap, lima, dry)
  - Field Corn
  - Peanuts
  - Peas
  - Tobacco

DO NOT plant other rotational crops prior to 18 months after a PURSUIT PLUS application.

If soybeans are furrow irrigated, till the soil prior to planting winter wheat. The beds should be broken up and the soil mixed to a depth of 3-4 inches.

In a growing season under severe drought, (50% or less than the local average) tillage is required prior to planting a fall or spring follow crop. Set tillage equipment to cut 4-6 inches deep to loosen and mix the surface soil.

Only rotational crops harvested at maturity may be used for feed or food.

In the event of a crop loss due to weather, soybeans can be replanted. DO NOT work the soil deeper than 2 inches.

There should be an interval of at least 85 days between an application of PURSUIT PLUS and soybean harvest.

DO NOT graze or feed treated soybean forage, hay or straw to livestock.

DO NOT apply products containing chlorimuron ethyl (e.g. Classic<sup>4</sup>, Canopy<sup>4</sup>, Gemini<sup>4</sup>, Lorox Plus<sup>4</sup>, PREVIEW<sup>4</sup>, etc.) or imazaquin (i.e. SCEPTER<sup>®</sup>, SQUADRON<sup>®</sup>, or TRI-SCEPT<sup>®</sup>) the same year as PURSUIT or injury to follow crops may occur.

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<sup>4</sup>Classic, Canopy, Preview, Gemini and Lorox Plus are trademarks of E.I. duPont de Nemours and Company.

<sup>®</sup>Registered Trademarks of American Cyanamid Company.