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241-331
PURSUIT® PLUS EC
herbicide
Soil Applied

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FOR USE IN PEANUTS

ACTIVE INGREDIENTS:

Imazethapyr (±)-2-[4,5-dihydro-4-methyl-4-(1-methyl-ethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid . . .	2.25%
pendimethalin (N-1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine	30.73%
INERT INGREDIENTS*	67.02%
TOTAL	100.00%

PURSUIT PLUS EC contains 2.9 pounds of active ingredients per gallon (2.7 pounds of pendimethalin and 0.2 pounds acid equivalent of imazethapyr).

*Contains petroleum distillate

EPA Reg. No. 241-331

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 SWALLOWED: Do not induce vomiting. Call a physician or Poison Control Center immediately.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

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

NOTE TO PHYSICIAN: Because of increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent, vomiting should be induced only under professional supervision.

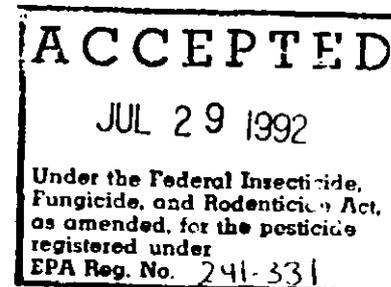
In case of an emergency endangering life or property involving this product, call collect, day or night, area code 201-835-3100.

See Next Page for Additional Precautionary Statements

AMERICAN CYANAMID COMPANY
AGRICULTURAL DIVISION
CROP PROTECTION CHEMICALS DEPARTMENT
WAYNE, NJ 07470 ©1992

Net Contents: 2.5 gallons
(9.45 liters)

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

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. 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. Do not use PURSUIT PLUS EC other than in accordance with the instructions set forth on this label. The use of PURSUIT PLUS EC 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 40°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.

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DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on research and field use. 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 of, 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 shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

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, subject to the risks referred to above. CYANAMID DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

BUYER'S EXCLUSIVE REMEDY AND AMERICAN CYANAMID'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF PURSUIT PLUS EC EC. In no case shall Cyanamid or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

USES WITH OTHER PRODUCTS (TANK-MIXES)

If this product is used in combination with any other product except as specifically recommended in writing by American Cyanamid Company then American Cyanamid Company shall have no liability for any loss, damage or injury arising out of its use in any such combination not so specifically recommended. If used in combination recommended by American Cyanamid Company, the liability of American Cyanamid Company shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the American Cyanamid Company product in such combination use, and in any event shall be limited to return of the amount of the purchase price of the American Cyanamid Company product.

GENERAL INFORMATION

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Entry into treated fields is not permitted without protective clothing until sprays have dried.

PURSUIT PLUS EC is effective in providing weed control in conservation tillage systems. PURSUIT PLUS EC may be applied in minimum tillage, no-till, or conventional tillage peanut production. Apply PURSUIT PLUS EC preplant incorporated from 30 days prior to planting up to planting. Incorporate PURSUIT PLUS EC within 7 days of application if rainfall is not received. PURSUIT PLUS EC may be surface applied (up to 30 days) prior to planting peanuts. After PURSUIT PLUS EC 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 EC involves herbicide uptake by weed roots and rapid translocation to the growing points. Therefore, adequate soil moisture is important for optimum PURSUIT PLUS EC activity. When adequate soil moisture is present, PURSUIT PLUS EC will provide residual control of susceptible germinating weeds.

Occasionally, internode shortening and/or temporary yellowing of peanut plants may occur following PURSUIT PLUS EC applications. This will not affect peanut yields.

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

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 EC is tank-mixed with PROWL[®], Starfire¹ or Roundup², add PURSUIT PLUS EC to the tank first, then PROWL, then add Starfire or Roundup. When Starfire or Roundup is included in a tank-mixture, add 1 quart of non-ionic surfactant per 100 gallons of spray mixture as the last ingredient in the tank.

To avoid injury to sensitive crops, spray equipment used for PURSUIT PLUS EC applications must be drained and thoroughly cleaned with water before being used to apply other products.

[®]Registered Trademark of American Cyanamid Company

¹Starfire is a trademark of ICI Americas, Inc.

²Roundup is trademark of Monsanto Agricultural Products Company.

PROWL may be added to PURSUIT PLUS EC in a tank-mixture for difficult to control grasses or heavy grass pressure. Apply Starfire or Roundup in tank-mixture with PURSUIT PLUS EC if there are weeds present at preplant or preemergence applications. PURSUIT PLUS EC may be applied preplant incorporated in tank-mix combination with PROWL, Vernam³ or Dual⁴, or preemergence with Dual. Refer to the PROWL, Starfire, Roundup, Vernam or Dual label for weeds controlled, use rates, precautions and limitations.

SPRAYING INSTRUCTIONS

DO NOT apply when wind velocity is greater than 10 mph, or when spray may be carried to sensitive crops. Sensitive crops include leafy vegetables, sugarbeets, and cotton.

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 psi is recommended.

DO NOT apply PURSUIT PLUS EC by aerial application.

PURSUIT PLUS EC HERBICIDE USE AREA

PURSUIT PLUS EC may be applied in any state where peanuts are grown - except California.

USE RATE (2 1/2 PINTS PER ACRE)

Apply PURSUIT PLUS EC 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 EC will treat 3.2 acres of peanuts.

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

WEEDS CONTROLLED

When applied as directed, PURSUIT PLUS EC will control or reduce competition from the weeds listed below.

NOTE: C = Control, R = Reduced Competition

³Vernam is a trademark of ICI Americas, Inc.

⁴Dual is a trademark of Ciba-Geigy Corporation.

BROADLEAF WEEDS

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Weeds Controlled	Preplant Incorporated	Preplant, Preemergence
Anoda, spurred	C	C
Buffalobur	C	C
Carpetweed	C	C
Cocklebur, common*	C	
Devilsclaw	C	
Galinsoga	C	C
Jimsonweed	C	
Kochia	C	C
Lambquarters, common	C	C
Mallow, Venice	R	
Morningglory		
entireleaf	R	
ivyleaf	R	
pitted	R	
smallflower	C	C
tall	R	
Mustard species	C	C
Nightshade		
black	C	C
Eastern black	C	C
hairy	C	C
Pigweed		
palmer	C	C
redroot	C	C
smooth	C	C
spiny	C	C
Puncturevine	C	C
Purslane, common	C	C
Pusley, Florida	C	C
Ragweed,		
common	R	
giant	R	
Sida, prickly (teaweed)	C	
Smartweed		
ladysthumb	C	C
Pennsylvania	C	C
Spurge		
prostrate	C	C
spotted	C	C
Sunflower, common	C	
Velvetleaf	C	
Waterhemp, tall	C	C

*Cultivation and or a postemergence herbicide may be required for season-long control.

GRASS WEEDS

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Weeds Controlled	Preplant Incorporated	Preplant Preemergence
Barnyardgrass	C	C
Crabgrass		
large	C	C
smooth	C	C
Crowfootgrass	C	C
Foxtail		
giant	C	C
green	C	C
yellow	C	C
Goosegrass	C	C
Itchgrass	R	
Johnsongrass		
seedling	C	C
rhizome	R	
Millet, wild proso	R	
Panicum		
browntop	C	C
fall	C	C
Texas	C	C
Sandbur, field	C	C
Shattercane	C	
Signalgrass, broadleaf	C	C
Witchgrass	C	C

SEDGES

Nutsedge*		
yellow	C	C
purple	C	C

*Must be preplant incorporated for best results.

PURSUIT PLUS EC can be applied preplant incorporated or preemergence in peanuts. It can also be applied in conventional, minimum tillage and no-till production systems. The application method of choice will depend on the anticipated weed spectrum and the preference of the applicator. If weeds have emerged, see instructions under NO-TILL OR REDUCED TILLAGE section.

PURSUIT PLUS EC 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 EC 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 EC 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 EC may be surface applied prior to peanut planting. If sufficient rain does not occur before planting to activate PURSUIT PLUS EC, shallow incorporation before planting will enhance weed control.

SURFACE APPLICATIONS MADE AFTER PLANTING

PURSUIT PLUS EC may be surface applied up to 2 days after peanut planting (before crop emergence).

NO-TILL OR REDUCED TILLAGE:

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PURSUIT PLUS EC is effective in controlling weeds in conservation tillage production systems. Apply PURSUIT PLUS EC treatments prior to planting or after 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. Adjust the boom height to ensure proper coverage of weed foliage (according to the manufacturer's recommendation). The nozzle spacing on the boom should be 20 inches. Use only standard flat-fan nozzle tips. Use ground equipment only.

PURSUIT PLUS EC will control emerged problem weeds such as velvetleaf, smartweed, common cocklebur, and pigweeds. The weed size should not exceed 3" for velvetleaf and smartweed, and 8" for cocklebur and pigweeds. Add surfactant to the spray mixture at the rate of 1 qt./100 gal. or crop oil concentrate at 1.5 pt./acre.

If other vegetation is present (not controlled by PURSUIT PLUS EC), apply Starfire or Roundup in combination with PURSUIT PLUS EC. Refer to the respective labels for rates, methods of application, proper timing, weeds controlled, restrictions, and precautions. Use ground equipment only.

NOTE: Adjust planters to ensure adequate seed coverage.

PREPLANT INCORPORATED APPLICATIONS

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PURSUIT PLUS EC may be applied following land preparation and should be thoroughly incorporated to a depth of 1 to 2 inches. Application must be made prior to planting. Incorporate prior to peanut 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-Roterra⁷ set and operated according to the manufacturer's directions to thoroughly incorporate PURSUIT PLUS EC to a depth of 1 to 3 inches.
- (f) Do-All set and operated according to the manufacturer's directions to incorporate PURSUIT PLUS EC 1 to 3 inches deep and operated at 4 to 6 mph.

If peanuts are planted on beds, apply and incorporate after bed formation using PTO-driven equipment or a rolling cultivator. For optimum weed control, PURSUIT PLUS EC should be maintained in the surface 1-2 inches of the finished bed.

When PURSUIT PLUS EC is applied for control of nutsedge, incorporate to a depth of 1-2 inches with two passes of the incorporation implement. Make the second pass at an offset angle to the first pass to minimize the potential for streaking.

⁷LELY-Roterra is a trademark of Lely.

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

1. Anytime after PURSUIT PLUS EC application:
 - Lima beans
 - Southern peas
 - Soybeans
 - Peanuts

2. Four months after PURSUIT PLUS EC application:
 - Barley
 - Rye
 - Wheat
 - Edible beans and peas (other than lima beans and Southern peas)

3. Nine and one-half months after PURSUIT PLUS EC application:
 - Field corn
 - Tobacco

4. Eighteen months after PURSUIT PLUS EC application:
 - All crops not listed elsewhere in this Rotational Crop Guideline section.

4. Twenty six months after PURSUIT PLUS EC application.
 - Canola (Rapeseed)
 - Carrots
 - Celery
 - Cole crops
 - Garlic
 - Onions
 - Potatoes
 - Spinach
 - Sugarbeets
 - Tomatoes

PRECAUTIONS

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Use of PURSUIT PLUS EC 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.

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

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

There should be an interval of at least 65 days between an application of PURSUIT PLUS EC and peanut harvest.

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

DO NOT feed forage or graze livestock for 75 days after planting wheat, barley or rye in treated land.

DO NOT apply to peanuts other products containing imazethapyr (PURSUIT) the same year as PURSUIT PLUS EC or injury to follow crops may occur.

For additional information regarding the use of PURSUIT PLUS EC herbicide, call telephone no. 800-942-0500.

American Cyanamid Company
Agricultural Division
Crop Protection Chemicals Department
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