

PM 25

241-315

10/15

PURSUIT® PLUS  
herbicide  
Soil Applied

FOR USE IN SOYLEANS

ACTIVE INGREDIENTS:

Ammonium salt of imazethapyr (±)-2-[4,5-dihydro-4-methyl-4-(1-methyl-ethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid\* . . . 2.23%

pendimethalin (N-1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine . . . . . 30.39%

INERT INGREDIENTS . . . . . 67.38%

TOTAL . . . . . 100.00%

\*Equivalent to 2.11%, (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid.

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

EPA Reg. No. 241-315

EPA Est. No. 241-MO-1

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 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.

IF INHALED: Remove victim to fresh air.

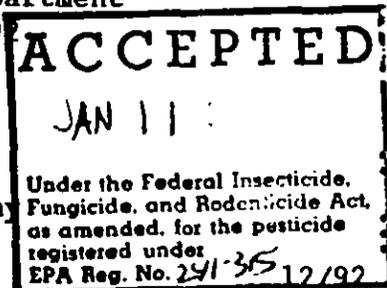
In case of an emergency endangering life or property involving this product, call collect, day or night, Area Code 201-835-3100.

See Next Page for Additional Precautionary Statements

American Cyanamid Company  
Agricultural Division  
Crop Protection Chemicals Department  
Wayne, NJ 07470 ©199

Net Contents: 2.5 gallons  
(9.45 liters)

• Registered Trademark of American Cyanamid Company



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

**CAUTION**

Causes moderate eye irritation. 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**

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. Do not use PURSUIT PLUS other than in accordance with the instructions set forth on this label. 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.

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**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.

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 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.

American Cyanamid Company's liability will be limited to a refund of the purchase price of the PURSUIT PLUS. 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.

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.

USES WITH OTHER PRODUCTS (TANK MIXES)

This product is not to be used in combination with any other product except as specifically recommended in writing by American Cyanamid Company and 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 account of the purchase price of the American Cyanamid Company product.

4/27/15

GENERAL INFORMATION

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

PURSUIT PLUS is effective in providing weed control in conservation tillage systems. PURSUIT PLUS may be applied in minimum tillage, no-till, or conventional tillage soybean production. Apply PURSUIT PLUS preplant incorporated from 45 days prior to planting up to planting. Incorporate PURSUIT PLUS within 7 days of application if rainfall is not received. 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.

Occasionally, internode shortening and/or temporary yellowing of soybean plants may occur following PURSUIT PLUS applications. This will not affect 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> herbicide (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.

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

HERBICIDE COMBINATIONS

PURSUIT PLUS may be applied either preplant incorporated or preemergence in tank mix combination with metribuzin (Sencor<sup>2</sup> or Lexone<sup>3</sup>) or preemergence with linuron (Lorox<sup>3</sup> or Linex<sup>4</sup>). PURSUIT PLUS may also be applied preplant incorporated, followed by a preemergence application of metribuzin or linuron. The tank mix or sequential application of PURSUIT PLUS and metribuzin will enhance the control of common cocklebur and common ragweed in addition to the weeds controlled by a soil application of PURSUIT PLUS. The addition of linuron to PURSUIT PLUS will enhance the control of common ragweed.

Apply PURSUIT PLUS at the broadcast rate of 2 1/2 pints per acre. Refer to the metribuzin or linuron label for specific application rates, restrictions and precautionary instructions.

See recommendation for addition of Roundup or paraquat to the spray solution under the NO-TILL OR REDUCED TILLAGE section.

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.

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

<sup>2</sup>Sencor is a trademark of Mobay Corporation.

<sup>3</sup>Lexone and Lorox are trademarks of E.I. duPont de Nemours and Company.

<sup>4</sup>Linex is a trademark of Griffin Ag Products Co., Inc.

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

**APPLICATIONS WITH LIQUID FERTILIZER:**

PURSUIT PLUS can be applied to the soil in liquid fertilizers, alone or in combination with PROWL, trifluralin, Lasso<sup>5</sup> or Dual<sup>6</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. Always test the compatibility of PURSUIT PLUS with liquid fertilizer before mixing in the spray tank.

**APPLICATIONS WITH DRY BULK FERTILIZER:**

PURSUIT PLUS may be impregnated on dry bulk fertilizers. When applied as directed, PURSUIT PLUS/dry bulk fertilizer mixtures provide weed control equal to that provided by the same rates of PURSUIT PLUS applied in water or liquid fertilizer.

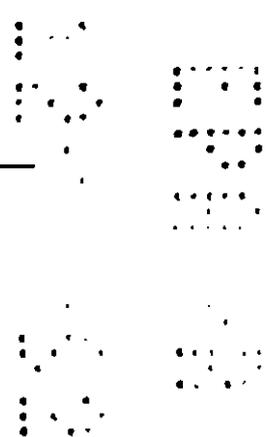
Follow all PURSUIT PLUS label recommendations regarding application and incorporation, special instructions and precautions. Apply PURSUIT PLUS/dry bulk fertilizer mixtures only with ground equipment.

All individual state regulations relating to dry bulk fertilizer, registration, labeling, and application are the responsibility of the individual and/or company selling the PURSUIT PLUS/dry bulk fertilizer mixtures.

A minimum of 200 pounds and a maximum of 450 pounds of dry bulk fertilizer impregnated with the recommended amount of PURSUIT PLUS must be applied per acre.

DO NOT impregnate PURSUIT PLUS onto coated ammonium nitrate or limestone because these materials will not absorb the herbicide. Dry fertilizer blends containing mixtures of ammonium nitrate or limestone may be impregnated with PURSUIT PLUS. A minimum of 200 pounds of impregnated dry bulk fertilizer, excluding the weight of ammonium nitrate or limestone, must be applied per acre.

Apply PURSUIT PLUS at the rate of 2 and 1/2 pints per acre. Use the following table to determine the amount of PURSUIT PLUS to be impregnated on a ton of dry bulk fertilizer based on the rate of fertilizer which will be applied per acre.



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<sup>5</sup>Lasso is a trademark of Monsanto Agricultural Products Company.  
<sup>6</sup>Dual is a trademark of Ciba Geigy Corporation.

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RATE CHART FOR IMPREGNATION OF DRY BULK FERTILIZER WITH PURSUIT PLUS  
(Pints of PURSUIT PLUS per Ton of Fertilizer)

<u>PURSUIT PLUS Rate Per Acre</u>	<u>Fertilizer Rate pounds per acre</u>	<u>Pints per Ton</u>
2 1/2 pints	200	25
	250	20
	300	16 2/3
	350	14 1/3
	400	12 1/2
	450	11

For those rates not listed in this table, calculate the pints of PURSUIT PLUS to be impregnated on a ton of dry bulk fertilizer using the following formula:

$$\frac{2000}{\text{Pounds of dry fertilizer per acre}} \times \frac{2 \frac{1}{2} \text{ Pints of PURSUIT PLUS per acre (recommended rate)}}{1} = \text{Pints of PURSUIT PLUS per ton of fertilizer}$$

To impregnate PURSUIT PLUS on bulk fertilizer, use a closed rotary-drum mixer or other commonly used dry bulk fertilizer blender equipped with suitable spray equipment. Spray nozzles must be placed to provide uniform coverage of PURSUIT PLUS onto the fertilizer during mixing.

If PROWL is to be combined with the PURSUIT PLUS prior to impregnation, premix the PROWL with an equal volume water before adding it to the PURSUIT PLUS. DO NOT mix undiluted PROWL with PURSUIT PLUS.

Apply the PURSUIT PLUS/dry bulk fertilizer mixture with an accurately calibrated dry fertilizer spreader. The PURSUIT PLUS/dry bulk fertilizer mixture must be spread uniformly on the soil surface. Uneven spreading can cause poor weed control and crop injury.

Refer to PREPLANT INCORPORATED APPLICATIONS section of this label for incorporation directions.



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**AERIAL APPLICATIONS:**

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre.

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

- Use nozzles which produce a coarse spray.
- 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.

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

**PURSUIT PLUS HERBICIDE USE AREA**

PURSUIT PLUS may be applied to soybeans only in the states or parts of states shaded in the map below:

(SEE USE AREA MAP)



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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.



## 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
Cupgrass, woolly**	Texas
Foxtail	Sandbur, field
giant	Shattercane**
green	Signalgrass, broadleaf**
giant green	Witchgrass
robust purple	
robust white	
yellow	

### BROADLEAF WEEDS

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

PURSUIT PLUS will suppress and reduce competition from:

Buffalobur**	Ragweed
Itchgrass**	common
Johnsongrass, rhizome**	giant**
Mallow, Venice**	Nutsedge, yellow**
Millet, wild proso**	
Morningglory**	
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 provides effective weed control in conservation tillage systems designed to meet conservation compliance requirements. PURSUIT PLUS can be applied as an early preplant, preplant incorporated, or preemergence treatment in soybeans. 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 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 (up to 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 (before crop emergence) 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.



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**NO-TILL OR REDUCED TILLAGE:**

PURSUIT PLUS is effective in controlling weeds in conservation tillage production systems. Apply PURSUIT PLUS treatments up to 45 days prior to planting but before crop emergence.

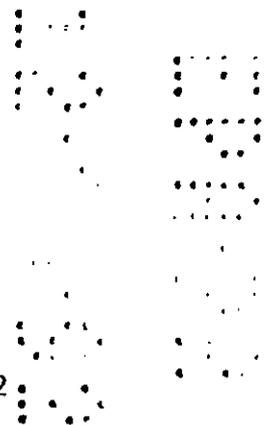
To ensure thorough coverage, use a minimum of 20 gallons of water per acre. Use higher gallonage for fields with dense vegetation or heavy crop residues. Adjust the boom height to ensure proper coverage of weed foliage (according to the manufactures recommendation). The nozzle spacing on the boom should be 20 inches. Use only standard flat-fan nozzle tips. Use ground equipment only.

PURSUIT PLUS 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. AND a nitrogen based fertilizer (such as 28%N, 32%N or 10-34-0) at the rate of 1-2 qt./acre for optimum activity. Ammonium sulfate (spray grade) may be substituted for liquid fertilizer at the rate of . lbs. per acre.

If other vegetation is present (not controlled by PURSUIT PLUS), 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>7</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 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.

<sup>7</sup>LELY-Roterra is a trademark of Lely.

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:
  - Field Corn
  - Peanut
  - Tobacco

DO NOT plant sugarbeets or rapeseed (canola) or potatoes prior to 26 months after a PURSUIT PLUS application.

Sugarbeets are very sensitive to small amounts of PURSUIT PLUS in the soil. In addition to delaying the planting of sugarbeets 26 months, a field bioassay is required. The field bioassay will determine when it is safe to plant sugarbeets. To conduct the field bioassay, plant a strip of sugarbeets through the entire field and grow for 60 days. If no injury is observed, it is safe to plant sugarbeets the following year.

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

Use of PURSUIT PLUS 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.

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.

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.



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DO NOT apply products containing chlorimuron ethyl (Classic<sup>8</sup>, Canopy<sup>8</sup>, Gemini<sup>8</sup>, Lorox Plus<sup>8</sup>, PREVIEW<sup>8</sup>, etc.) or imazaquin (SCEPTER<sup>•</sup>, SQUADRON<sup>•</sup>, or TRI-SCEPT<sup>•</sup>, SCEPTER<sup>•</sup> O.T.<sup>•</sup>, SCEPTER<sup>•</sup> 70DG, or ALA-SCEPT<sup>•</sup>) or products containing imazethapyr (PURSUIT<sup>•</sup> PURSUIT<sup>•</sup> PLUS or PASSPORT<sup>•</sup>) the same year as PURSUIT PLUS or injury to follow crops may occur.

DO NOT tank mix PURSUIT PLUS with clomazone containing herbicides (Command<sup>9</sup> or Commence<sup>9</sup>).

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<sup>8</sup>Classic, Canopy, Preview, Gemini and Lorox Plus are trademarks of E.I. duPont de Nemours and Company.

<sup>9</sup>Command and Commence are trademarks of FMC Corporation.

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

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