

## LIST OF CHANGES TO THE PURSUIT® PLUS EC LABEL FOR USE ON FIELD CORN

Previously, PURSUIT PLUS EC (EPA Reg. No. 241-331) has been approved for use on soybeans. Both of the active ingredients in PURSUIT PLUS EC, imazethapyr (PURSUIT - EPA Reg. No. 341-310) and pendimethalin (PROWL® - EPA Reg. No. 241-243) are independently registered for use on field corn. The proposed PURSUIT PLUS EC label is for use of the package mixture on field corn.

Following are changes from the approved PURSUIT PLUS EC label on soybeans (7/91) to the proposed PURSUIT PLUS EC label on field corn.

PAGE ()*	CHANGES
References to soybeans have generally been changed to field corn in the proposed label.	
1 (1)	Application is changed from "Soil Applied" to "Applied Preemergence or Postemergence".
<div data-bbox="280 1017 675 1296" style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">ACCEPTED</p> <p style="text-align: center;">SEP 17 1992</p> <p style="font-size: 0.8em;">Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 241-331</p> </div>	The labelled crop is changed from soybeans to field corn.
	The phrase "(APPLY ONLY ON PURSUIT RESISTANT/TOLERANT FIELD CORN HYBRIDS)" has been added.
	The "p" in pendimethalin is changed to uppercase.
Under ingredients, the statement "Contains petroleum distillates" has been added to comply with labeling regulations.	
The label date has been changed to 8/92.	
2 (2)	The first statement under CAUTION has been corrected from "inhaled" to "swallowed".
Under Directions for Use, "PURSUIT PLUS" corrected to "PURSUIT PLUS EC".	
3 (3)	The disclaimer under USES WITH OTHER PRODUCTS (TANK-MIXES) has been modified to allow users to use tank-mixes not specifically recommended by American Cyanamid, at their own risk.

\*() - Page number of approved label.

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4 (4)

Added the statement "Apply PURSUIT PLUS EC only on selected field corn hybrids which possess resistance/tolerance to PURSUIT. Contact your chemical dealer, seed supplier, or American Cyanamid to obtain a list of PURSUIT resistant field corn hybrids." A similar statement appears on page 4 of the approved PURSUIT label for use in field corn.

Added the statement "With the exception of reduced tillage systems (see No-Till or Reduced Tillage section), plant into a seed bed that is firm and free of clods and crop residue. Use only where adequate tillage is practiced to provide good soil coverage of the corn seed. Plant corn AT LEAST 1 1/2 inches deep to ensure good seed coverage." A similar statement appears on the page 21 of the approved PROWL label.

) 4 (4)

Descriptions of application methods and timing have been replaced with recommendations appropriate for field corn as follows: "PURSUIT PLUS EC can be applied as a preemergence, postemergence, or directed postemergence treatment on field corn hybrids which possess resistance/tolerance to PURSUIT. PURSUIT PLUS EC provides effective weed control in conventional and reduced tillage (conservation tillage, minimum tillage, and no-till) systems. After PURSUIT PLUS EC is applied, some susceptible weeds emerge, growth stops, and the weeds either die or are not competitive with the crop."

"PURSUIT PLUS" was corrected to "PURSUIT PLUS EC".

The following statement was added: "If cultivation is necessary because of soil crusting, soil compaction or weed germination before rain or irrigation, use shallow tillage (such as rotary hoe), and make certain corn seeds are below the tilled area. For maximum effectiveness, wait at least 7 - 10 days before cultivating postemergence treatments." A similar statement appears on page 21 of the approved PROWL label.

Replaced the warning statement regarding soybean crop injury symptoms to reflect the more prevalent symptoms in field corn as follows: "Crops growing under stressful environmental conditions can exhibit various injury symptoms which may be more pronounced if herbicides are used. Occasionally, stunting,

leaf curling, or temporary yellowing of the field corn plants may occur following PURSUIT PLUS EC applications. Normal growth and appearance should resume within 1 to 2 weeks."

5 (5)

"PURSUIT PLUS" was corrected to "PURSUIT PLUS EC".

The first two paragraphs of the Herbicide Combinations section have been replaced to reflect appropriate recommendations for PURSUIT PLUS EC in field corn as follows: "PURSUIT PLUS EC may be applied either preemergence or postemergence following or in tank-mix combinations with Lassol<sup>1</sup>, Dual<sup>2</sup>, or atrazine. PURSUIT PLUS EC may be applied postemergence with Buctril<sup>3</sup> or Banvel<sup>4</sup> or applied preemergence followed by a postemergence application of atrazine, Buctril, or Banvel. Atrazine, Buctril, or Banvel tank-mixes with PURSUIT PLUS EC may reduce postemergence grass control. Some corn leaf burn may result with atrazine or Buctril postemergence combinations with PURSUIT PLUS EC. Do not use adjuvants containing penetrants such as petroleum or crop oils when applying tank-mixes containing Banvel after crop emerges."

The following section describing the use of a tank mixture of PURSUIT PLUS EC with additional PROWL 3.3 EC herbicide was added:

"PURSUIT PLUS EC with Additional PROWL 3.3 EC Herbicide Tank Mixture

PURSUIT PLUS EC is active on many grass species. However, under conditions of heavy or difficult to control grass pressure, PROWL 3.3 EC can be tank-mixed with PURSUIT PLUS EC and applied preemergence or postemergence.

On coarse textured soils add PROWL 3.3 EC at 0.5 pints per acre and on medium and fine textured soils add PROWL 3.3 EC at 0.5 to 1.5 pint per acre. See the PROWL 3.3 EC label for soil types classified as coarse, medium, and fine textured. Observe all precautions and limitations on the PROWL 3.3 EC label."

Altered footnotes to reflect the products listed in the Herbicide Combinations section.

6 (6,7,8)

Deleted references to applications in liquid fertilizers and dry bulk fertilizers as well as aerial applications which would conflict with the PROWL 3.3 EC corn label.

"PURSUIT PLUS" was corrected to "PURSUIT PLUS EC".

- 6 (6,7,8) In the Use Area section the word "soybeans" was changed to the phrase "PURSUIT resistant/tolerant field corn".
- 7 (9) The methods of application list was amended to reflect appropriate methods for field corn.
- "PURSUIT PLUS" was corrected to "PURSUIT PLUS EC".
- In the Use Rate section the word "soybeans" was changed to the word "field corn".
- 8 (10) Weed control tables are changed to replace preplant incorporated with postemergence to remain consistent with appropriate application methods for PURSUIT PLUS EC in field corn.
- Jerusalem artichoke has been added to the list of BROADLEAF WEEDS controlled by postemergence applications.
- Reduced competition (R) is claimed for common and giant ragweed and barnyard sage from preemergence applications.
- 9 (11) Reduced competition (R) is claimed for wild proso millet and control for woolly cupgrass from preemergence applications.
- Control of broadleaf signalgrass has been added to the list of GRASS WEEDS controlled.
- 10 (12,13) Added the statement "DO NOT incorporate PURSUIT PLUS EC".
- "PURSUIT PLUS" was corrected to "PURSUIT PLUS EC".
- Replaced "an early preplant, preplant incorporated, or preemergence treatment in soybeans." with " a preemergence treatment in PURSUIT resistant/tolerant field corn."
- Deleted paragraph describing use of PURSUIT PLUS EC in ridge-till plantings.
- Deleted section describing SURFACE APPLICATIONS MADE BEFORE PLANTING.
- Replaced text describing surface applications made after planting with the following: "Apply PURSUIT PLUS EC alone preemergence (surface treatment only) after planting. DO NOT INCORPORATE PURSUIT PLUS EC or serious corn injury may result

10 (12,13) NOTE: When PURSUIT PLUS EC is used alone, if corn loss occurs due to weather conditions, soybeans can be replanted the same year without adverse affects."

10,11 (13) Deleted the sentence "Apply PURSUIT PLUS EC treatments up to 45 days prior to planting (early preplant) but before crop emergence" as this use would conflict with the PROWL corn label.

Rate of ammonium sulfate changed for 4 to 2.5 lbs/A.

11 (13) Inserted the following statement: "PLANT CORN AT LEAST 1 1/2 INCHES DEEP." to emphasize the need for proper planter adjustment. A similar warning appears on the PROWL 3.3 EC corn label.

11 (14) Replaced the PREPLANT INCORPORATED section with the following POSTEMERGENCE APPLICATION INSTRUCTIONS section:

"POSTEMERGENCE APPLICATION INSTRUCTIONS"  
Apply PURSUIT PLUS EC herbicide as a postemergence treatment to PURSUIT resistant/tolerant field corn when crop and weeds are actively growing. Apply PURSUIT PLUS EC before weeds exceed a height of 3", unless otherwise indicated and before corn exceeds the eight-leaf stage. More restrictive crop growth stage limitations of tank-mix partners MUST be followed.

ADDITIVES:

POSTEMERGENCE APPLICATIONS OF PURSUIT PLUS EC REQUIRE THE ADDITION OF AN ADJUVANT AND A LIQUID FERTILIZER/ SOLUTION.

I ADJUVANTS

SURFACTANTS: Use a non-ionic surfactant containing at least 80% active ingredient. Apply the surfactant at the rate of 1 qt./100 gal of spray solution.

OR

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CROP OIL CONCENTRATE: Instead of a surfactant, a petroleum or vegetable seed oil (such as SUN-IT II/) based crop oil concentrate may be used. SUN-IT II is recommended when weeds are under moisture or temperature stress. Use SUN-IT II at the rate of 1.5 to 2.0 pts./A (use the higher rate when weeds are at the maximum label size). Other crop oil concentrates should be used at 1.5 pts./A.

AND

II. LIQUID FERTILIZER SOLUTION<sup>5</sup>

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N, or 10-34-0) at the rate of 1 to 2 qts./A. 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 4 lbs./A."

12 (14)

RESTRICTIONS FOR POSTEMERGENCE APPLICATIONS

To avoid serious crop injury with postemergence applications observe the following precautions: DO NOT INCORPORATE.

DO NOT apply following PROWL 3.3 EC or PURSUIT PLUS EC preemergence treatments.

DO NOT apply in liquid fertilizer.

DO NOT apply PURSUIT PLUS EC when air temperatures are expected to reach or stay below 40° for 10 or more hours or when extended cold, wet conditions are predicted.

DO NOT tank-mix PURSUIT PLUS EC with Accent<sup>6</sup> or Beacon<sup>7</sup>. DO NOT apply separate applications of these herbicides before or after PURSUIT PLUS EC treatments.

Text similar to that shown above appears on the approved PURSUIT corn label.

Added footnotes defining geographies where PURSUIT PLUS EC does not require use of a fertilizer solution.

Deleted the PREPLANT INCORPORATED APPLICATIONS section which would conflict with the PROWL corn label.

Added footnotes defining the trademark holders of Accent and Beacon herbicides.

13 (15)

In the Rotational Crop section replaced the word "soybeans" with "field corn".

Barley has been moved from the four month to the nine and one-half month interval. Rye has been placed under the nine and one-half month category (all cereals were previously approved at the four month restriction interval).

Specific crops are listed as safe at the eighteen month interval (previously all crops not otherwise listed fell under this timing).

All crops not listed specifically under other plant-back intervals are now restricted to twenty-six months.

PURSUIT PLUS EC Label Changes (Continued)

7 of 21

- 13 (15) Sugarbeets are restricted to 40 months following a PURSUIT PLUS EC application to afford additional protection to sugarbeet growers (the forty month restriction was previously approved by the EPA on the Supplemental Label for PURSUIT use in North Dakota and Northern Minnesota). This label restriction makes the change consistent on PURSUIT-containing products.
- 14 (16) Replaced "soybeans are" with "field corn is" in the first precautionary statement.
- Eliminated redundant statement of rotational crop safety as an identical paragraph appears in Rotational Crops section.
- Replaced the soybean feeding/harvest interval statements with the following:
- "There should be an interval of at least 45 days between an application of PURSUIT PLUS EC and field corn harvest (silage, fodder, or grain).
- 14 (16) DO NOT graze or feed treated corn forage, silage, fodder, or grain to livestock for at least 45 days after an application of PURSUIT PLUS EC."
- Replaced the precautionary statements identifying soybean herbicides that are incompatible with PURSUIT PLUS EC with the following statements pertinent to field corn:
- "DO NOT apply products containing primisulfuron (Beacon) or nicosulfuron (Accent) or products containing imazethapyr (PURSUIT or PURSUIT PLUS EC) during the same growing season or injury to follow crops may occur."

8 9 21

PURSUIT® PLUS EC  
herbicide  
Applied Preemergence or Postemergence

FOR USE IN FIELD CORN

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

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 ai of pendimethalin and 0.2 pounds acid equivalent of imazethapyr).

\*Contains petroleum distillates

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)

9 7 21

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 or 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.

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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.

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. 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 account 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.

Apply PURSUIT PLUS EC only on selected field corn hybrids which possess resistance/tolerance to PURSUIT and other imidazolinone herbicides. Contact your chemical dealer, seed supplier or American Cyanamid to obtain a list of PURSUIT resistant field corn hybrids. With the exception of reduced tillage systems (see No-till or Reduced Tillage section) plant into a seed bed that is firm and free of clods and crop residue. Use only where adequate tillage is practiced to provide good soil coverage of the corn seed. Plant corn AT LEAST 1-1/2 inches deep to ensure good seed coverage.

PURSUIT PLUS EC can be applied as a preemergence, postemergence, or directed postemergence treatment on field corn hybrids which possess resistance/tolerance to PURSUIT. PURSUIT PLUS EC provides effective weed control in conventional and reduced tillage (conservation tillage, minimum tillage, and no-till) systems. 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.

If cultivation is necessary because of soil crusting, soil compaction or weed germination before rain or irrigation, use shallow tillage (such as rotary hoe), and make certain corn seeds are below the tilled area. For maximum effectiveness, wait at least 7-10 days before cultivating postemergence treatments.

Crops growing under stressful environmental conditions can exhibit various injury symptoms which may be more pronounced if herbicides are used. Occasionally, stunting, leaf curling or temporary yellowing of the field corn plants may occur following PURSUIT PLUS EC applications. Normal growth and appearance should resume within 1 to 2 weeks.

Replanting: If replanting is necessary in a field previously treated with PURSUIT PLUS EC, 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 EC.

## MIXING INSTRUCTIONS

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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 paraquat or Roundup<sup>1</sup>, add PURSUIT PLUS EC to the tank first, next add PROWL<sup>6</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 EC applications must be drained and thoroughly cleaned with water before being used to apply other products.

## HERBICIDE COMBINATIONS

PURSUIT PLUS EC may be applied either preemergence or postemergence following or in tank-mix combinations with Lasso<sup>1</sup>, Dual<sup>2</sup> or atrazine. PURSUIT PLUS EC may be applied postemergence with Buctril<sup>3</sup> or Banvel<sup>4</sup> or applied preemergence followed by a postemergence application of atrazine, Buctril or Banvel. Atrazine, Buctril or Banvel tank-mixes with PURSUIT PLUS EC may reduce postemergence grass control. Some corn leaf burn may result with atrazine or Buctril postemergence combinations with PURSUIT PLUS EC. Do not use adjuvants containing penetrants such as petroleum or crop oils when applying tank-mixes containing Banvel after crop emerges.

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

When PURSUIT PLUS EC 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. No label dosages should be exceeded. PURSUIT cannot be mixed with any product containing a label prohibiting such mixtures.

### PURSUIT PLUS EC with additional PROWL 3.3EC/Herbicide Tank-Mixture

PURSUIT PLUS EC is active on many grass species. However, under conditions of heavy or difficult to control grass pressure, PROWL 3.3 EC can be tank-mixed with PURSUIT PLUS EC and applied preemergence or postemergence.

On coarse textured soils add PROWL 3.3 EC at 0.5 pints per acre and on medium and fine textured soils add PROWL 3.3 EC at 0.5 to 1.5 pints per acre. See the PROWL 3.3 EC label for soil types classified as coarse, medium and fine textured. Observe all precautions and limitations on the PROWL 3.3 EC label.

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<sup>1</sup>Lasso and Roundup are trademarks of Monsanto Agricultural Products Company.

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

<sup>3</sup>Buctril is a trademark of Rhone Poulenc Ag Products Company.

<sup>4</sup>Banvel is a trademark of Sandoz Crop Protection, Inc.

<sup>6</sup>Registered trademark of American Cyanamid Company.

SPRAYING INSTRUCTIONS

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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.

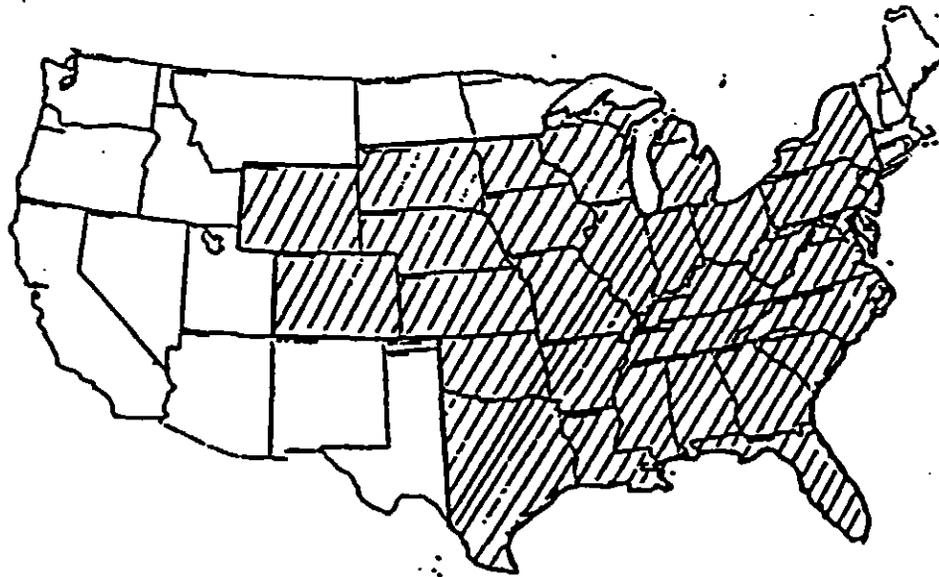
GROUND APPLICATIONS:

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.

PURSUIT PLUS EC HERBICIDE USE AREA

PURSUIT PLUS EC may be applied to PURSUIT resistant/tolerant field corn only in the states or parts of states shaded in the map below:

(In Minnesota PURSUIT PLUS EC may be applied south of state highway 210. In Texas PURSUIT PLUS EC may be applied east of state highway 83).



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

14 7 21

Apply PURSUIT PLUS EC at a broadcast rate of 2 1/2 pints per acre for all methods of application: preemergence (including no-till and reduced tillage) and postemergence. At this broadcast rate, one gallon of PURSUIT PLUS EC will treat 3.2 acres of field corn.

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

## BROADLEAF WEEDS

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Weeds Controlled	PREEMERGENCE	POSTEMERGENCE	
		Maximum Leaf Stage**	Size (Inches)
Anoda, spurred	C	2	1-2
Artichoke, Jerusalem		8	6-10
Barnyard Sage	R	R	1-3
Buffalobur	C*		
Carpetweed	C		
Cocklebur, common	C*	8	1-8
Galinsoga	C		
Jimsonweed	C*	4	1-3
Kochia	C	4	1-3
Lambquarters, common	C*	2	1-2
Mallow, Venice	R		
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 species	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
Puncturevine	C		
Purslane, common	C		
Pusley, Florida	C		
Ragweed,			
common	R	4	1-3
giant	R	4	1-3
Sida, prickly (teaweed)	C*		
Smartweed			
ladysthumb	C	4	1-3
Pennsylvania	C	4	1-3
Spurge			
prostrate	C	4	1-3
spotted	C	4	1-3
Sunflower, common	C*	4	1-3
Thistle, Canada		R	1-3
Velvetleaf	C	4	1-3
Waterhemp, tall	C	4	1-3

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

\*\* (The number under Maximum Leaf Stage indicates the MAXIMUM number of leaves at which weeds should be sprayed postemergence). DO NOT count cotyledon leaves when determining weed stage of growth.

## GRASS WEEDS

16 J 21

Weeds Controlled	PREEMERGENCE	POSTEMERGENCE	
		Maximum Leaf Stage	Size (Inches)
Barnyardgrass	C	3	1-3
Crabgrass			
large	C	3	1-3
smooth	C	3	1-3
Crowfootgrass	C		
Cupgrass, woolly	C	3	1-3
Foxtail			
giant	C	6	1-6
green	C	3	1-3
yellow	C	3	1-3
Goosegrass	C		
Johnsongrass			
seedling	C	6	1-8
rhizome		R	1-8
Millet, wild proso	R		
Panicum			
browntop	C		
fall	C		
Texas	C		
Red rice		3	1-3
Sandbur, field	C		
Shattercane	R	6	1-8
Signalgrass, broadleaf	R	4	1-8
Sorghum almum	R		
Witchgrass	C		

## SEDGES

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

SOIL APPLICATION INSTRUCTIONS

178 21

DO NOT incorporate PURSUIT PLUS EC.

PURSUIT PLUS EC provides effective weed control in conservation tillage systems designed to meet conservation compliance requirements. PURSUIT PLUS EC can be applied as a preemergence treatment in PURSUIT resistant/tolerant field corn. 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.

**SURFACE APPLICATIONS MADE AFTER PLANTING:**

PURSUIT PLUS EC alone preemergence (surface treatment only) after planting. DO NOT INCORPORATE PURSUIT PLUS EC or serious corn injury may result.

NOTE: When PURSUIT PLUS EC is used alone, if corn loss occurs due to weather conditions, soybeans can be replanted the same year without adverse affects.

**NO-TILL OR REDUCED TILLAGE:**

PURSUIT PLUS EC is effective in controlling weeds in conservation tillage production systems.

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 manufacturers 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. 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 2.5 lbs. per acre.

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If other vegetation is present (not controlled by PURSUIT PLUS EC), apply paraquat 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: Plant corn at least 1-1/2 inches deep. Adjust planters to ensure adequate seed coverage.

#### POSTEMERGENCE APPLICATION INSTRUCTIONS

Apply PURSUIT PLUS EC herbicide as a postemergence treatment to PURSUIT resistant/tolerant field corn when crop and weeds are actively growing. Apply PURSUIT PLUS EC before weeds exceed a height of 3", unless otherwise indicated and before corn exceeds the eight-leaf stage. More restrictive crop growth stage limitations of tank-mix partners MUST be followed.

#### ADDITIVES:

POSTEMERGENCE APPLICATIONS OF PURSUIT PLUS EC REQUIRE THE ADDITION OF AN ADJUVANT AND A LIQUID FERTILIZER/SOLUTION.

##### I. ADJUVANTS

**SURFACTANTS:** Use a non-ionic surfactant containing at least 50% active ingredient. Apply the surfactant at the rate of 1 qt./100 gal. of spray solution.

OR

**CROP OIL CONCENTRATE:** Instead of a surfactant, a petroleum or vegetable seed oil (such as SUN-IT II) based crop oil concentrate may be used. SUN-IT II is recommended when weeds are under moisture or temperature stress. Use SUN-IT II at the rate of 1.5 to 2.0 pts./A (use the higher rate when weeds are at the maximum label size). Other crop oil concentrates should be used at 1.5 pts./A.

AND

##### II. LIQUID FERTILIZER SOLUTION<sup>5</sup>

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N, or 10-34-0) at the rate of 1 to 2 qts./A. 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 4 lbs./A.

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<sup>5</sup>Liquid fertilizer solutions are not required in PURSUIT applications in use areas south of Interstate highway 40.

RESTRICTIONS FOR POSTEMERGENCE APPLICATIONS:

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To avoid serious crop injury with postemergence applications observe the following precautions:

DO NOT INCORPORATE.

DO NOT apply following PROWL 3.3 EC or PURSUIT PLUS EC preemergence treatments.

DO NOT apply in liquid fertilizer.

DO NOT apply PURSUIT PLUS EC when air temperatures are expected to reach or stay below 40° for 10 or more hours or when extended cold, wet conditions are predicted.

DO NOT tank-mix PURSUIT PLUS EC with Accent<sup>6</sup> or Beacon<sup>7</sup>. DO NOT apply separate applications of these herbicides before or after PURSUIT PLUS EC treatments.

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<sup>6</sup>Accent is a trademark of E.I. DuPont de Nemours & Co.

<sup>7</sup>Beacon is a trademark of Ciba Geigy Corporation.

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ROTATIONAL CROPS

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

1. Anytime
  - Lima beans
  - Southern peas
  - Soybeans
  - Peanuts
2. Four months after PURSUIT PLUS EC application:
  - Wheat
  - Edible beans and peas (other than lima beans and Southern peas)
3. Nine and one-half months after PURSUIT PLUS EC application:
  - Barley
  - Field corn
  - Field corn grown for seed\*
  - Rye
  - Tobacco
4. Eighteen months after PURSUIT PLUS EC application:
  - Alfalfa
  - Cotton
  - Lettuce
  - Oats
  - Popcorn
  - Safflower
  - Sorghum
  - Sweet corn
5. Twenty six months after PURSUIT application.
  - All crops not listed elsewhere in this ROTATIONAL CROP GUIDELINE.
6. Forty months after PURSUIT application.
  - Sugarbeets

\* Several seed companies have tested a wide range of inbreds for sensitivity to PURSUIT PLUS EC soil residues and have reported good crop safety. However, due to the proprietary nature of seed production, American Cyanamid has not been given access to the inbred data. Growers are directed to contact the seed company for information and recommendations regarding the planting of corn grown for seed in fields treated with PURSUIT PLUS EC the previous year. Since growing conditions, environmental conditions and grower practices are beyond the control of American Cyanamid Company, all risks and consequences associated with planting seed corn inbreds into fields treated previously with PURSUIT PLUS EC shall be assumed by the user.

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.

PRECAUTIONS

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If field corn is furrow irrigated, till the soil prior to planting winter wheat or barley. The beds should be broken up and the soil mixed with tillage equipment set to cut 4-6 inches deep.

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 45 days between an application of PURSUIT PLUS EC and field corn harvest (silage, fodder or grain).

DO NOT graze or feed treated corn forage, silage, fodder or grain to livestock for at least 45 days after an application of PURSUIT PLUS EC.

DO NOT apply products containing primisulfuron (Beacon) or nicosulfuron (Accent) or products containing imazethapyr (PURSUIT or PURSUIT PLUS EC) during the same growing season 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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