

Reg # 241-310

PM-25

1/30

PURSUIT[®]
herbicide

FOR USE IN SOYBEANS AND PEANUTS

ACTIVE INGREDIENT:

Ammonium salt of imazethapyr (+)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid*	22.87%
---	--------

INERT INGREDIENTS	77.13%
-------------------	--------

TOTAL	100.00%
-------	---------

*Equivalent to 21.6% (+)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid

(1 gallon contains 2.0 pounds of active ingredient as the free acid)

EPA Reg. No. 241-310

EPA Est. No. 32761-MO-3

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.

IF IN EYES: Flush with plenty of water.

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 ©1991

Net Contents: 1 gallon
(3.78 liters)

•Registered Trademark of American Cyanamid Company

ACCEPTED
JAN 7 1992
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 241-310

29 30

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION!

Harmful if inhaled or absorbed through skin. Avoid breathing 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

DO NOT apply directly to water, or areas where surface water is present, or to intertidal areas below the mean high water mark.

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 on this label and on the labels of products used in combination with PURSUIT. Do not use PURSUIT other than in accordance with the instructions set forth on this label. The use of PURSUIT not consistent with this label may result in injury to crops. Keep containers closed to avoid spills and contamination.

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

STORAGE AND DISPOSAL

PROHIBITIONS:

KEEP FROM FREEZING

DO NOT store below 32°F.

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

BEST AVAILABLE COPY

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, by incineration or, if allowed by State and local authorities by burning. If burned, stay out of smoke.

3 9 30

DISCLAIMER

Tests have not been conducted on all varieties or in all states or under all conditions.

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.

American Cyanamid Company's liability, whether in contract, tort, negligence, strict liability or otherwise, shall be limited to repayment of the purchase price of PURSUIT. 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)

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 amount of the purchase price of the American Cyanamid Company product.

BEST AVAILABLE COPY

GENERAL INFORMATION

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

PURSUIT can be applied as an early preplant, preplant incorporated, preemergence, at ground-cracking (peanuts) or early postemergence. The application method of choice will depend on the anticipated weed spectrum and the preference of the applicator.

The mode of weed killing activity involves uptake of PURSUIT by weed roots and/or foliage and rapid translocation to the growing points. Adequate soil moisture is important for optimum PURSUIT activity. When adequate soil moisture is present, PURSUIT 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.

Use of PURSUIT 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.

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

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

MIXING INSTRUCTIONS

Fill the spray tank one-half to three-quarters full with clean water. Use a calibrated measuring device to measure the required amount of PURSUIT. Add PURSUIT to the spray tank while agitating. Fill the remainder of the tank with water.

POSTEMERGENCE APPLICATIONS OF PURSUIT 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.

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 pts./acre (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

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N or 10-34-0) at the rate of 1-2 qts./acre. Use the higher rate when weeds are under moisture or temperature stress. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 4 lbs./acre.

™SUN-IT II is a trademark of Agsco, Inc.

Note: Liquid fertilizer solutions are not required in PURSUIT applications in use areas south of Interstate highway 40.

When tank-mixing PURSUIT with recommended herbicides, add the other herbicide to the spray tank first and make sure it is thoroughly mixed before adding PURSUIT. When tank-mixing Bronco¹, Roundup¹, Gramoxone Extra², or Starfire² with PURSUIT and PROWL[®] herbicide, trifluralin, Lasso¹ or Dual³ add the products in the following order: (1) PROWL, trifluralin, Lasso or Dual, (2) Roundup, Gramoxone Extra or Starfire, (3) PURSUIT, (4) non-ionic surfactant or crop oil concentrate, and (5) liquid fertilizer.

if dicamba sprayer contamination is possible, refer to the appropriate dicamba label (Banvel, Marksman) for sprayer cleanup directions. Clean the sprayer prior to PURSUIT applications to avoid dicamba injury to soybeans.

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

When PURSUIT 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.

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 and sugarbeets.

GROUND APPLICATIONS:

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

To ensure thorough coverage, use a minimum of 20 gallons of water per acre when applying PURSUIT to minimum or no-till soybeans. 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.

Avoid overlaps when spraying.

¹Bronco, Lasso and Roundup are trademarks of Monsanto Agricultural Products Company.

²Gramoxone Extra and Starfire are trademarks of ICI Americas, Inc.

³Dual is a trademark of Ciba Geigy Corporation.

[®]Registered Trademark of American Cyanamid Company.

6 of 30

PURSUIT APPLICATIONS WITH A MELROE SPRA-COUCPE

PURSUIT may be applied to soybeans with a Spra-Coupe sprayer. When applying PURSUIT with a Spra-Coupe, spray the weeds before they reach the maximum size listed in this label. Adequate control of weeds is dependent upon good spray coverage of the weeds. The sprayer must be calibrated to deliver the recommended spray volume and pressure to ensure adequate spray coverage of the weed.

When applying PURSUIT with a Spra-Coupe, apply a minimum of 10 gallons per acre of spray solution with a nozzle pressure between 40-60 psi for optimum coverage.

AERIAL APPLICATION:

PURSUIT herbicide may be applied by air only to soybeans. DO NOT apply by air to peanuts.

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. When applied POSTEMERGENCE, the addition of a non-ionic surfactant AND fertilizer solution are required for optimum weed control. Apply a non-ionic surfactant at the rate of 1 quart per 100 gallons of spray mixture AND a liquid fertilizer at the rate of 1 quart per acre. (See instructions under APPLICATION INSTRUCTIONS - POSTEMERGENCE).

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

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

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

APPLICATION INFORMATION

POSTEMERGENCE

PURSUIT is effective in controlling weeds in conservation tillage as well as in conventional production systems. Apply PURSUIT herbicide as an early postemergence treatment when weeds are actively growing and before they exceed a height of 3 inches, unless otherwise indicated. Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and not soybean growth stage. Apply PURSUIT to crops and weeds that are actively growing.

An adjuvant (either a surfactant or a crop oil concentrate) and a liquid fertilizer must be added to the spray solution for optimum weed control activity. See the ADDITIVE section under MIXING INSTRUCTIONS for specific instructions.

When PURSUIT is applied postemergence, absorption will occur through both the roots and foliage. Susceptible weeds stop growing and either die or are not competitive with the crop. PURSUIT not only controls many existing broadleaf and grass weeds when applied postemergence, it also provides control of susceptible weeds that may emerge after application.

For maximum weed control, cultivate 7 - 10 days following a postemergence PURSUIT application. This timely cultivation will enhance residual weed control, especially under dry conditions.

If air temperatures reach or stay below 40° for 10 or more hours, delay a PURSUIT application for 48 hours from the time temperatures increase above 40°. Unusually cool temperatures (40° or less) reduces photosynthesis and transpiration. This reduces the uptake and translocation (and effectiveness) of PURSUIT in weeds.

Use a soil applied grass herbicide (such as PROWL®) to control grass weeds not on the PURSUIT label and to enhance the control of certain broadleaf weeds such as common lambsquarter. Refer to the PROWL (or other grass herbicide) label for specific use recommendations, rates and precautions.

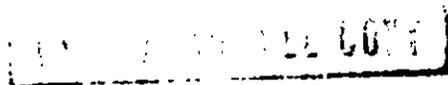
PURSUIT should be applied a minimum of one hour before rainfall or overhead irrigation.

NO-TILL/MINIMUM TILLAGE AND DOUBLECROP SOYBEANS:

PURSUIT controls existing weeds and provides residual control of most weeds when applied early postemergence in no-till, minimum tillage and doublecrop soybean production systems. The application may be applied either before or after emergence of the soybeans. (Refer to the WEEDS CONTROLLED POSTEMERGENCE chart for weeds controlled and recommended weed size).

If PURSUIT is applied prior to emergence of the crop, and weeds exceed the recommended size, a contact herbicide should be added to PURSUIT to enhance control. (See instructions for NO-TILL OR REDUCED TILLAGE under the PREEMERGENCE section of this label).

®Registered Trademark of American Cyanamid Company



SOIL APPLICATIONS

PURSUIT provides effective weed control in conservation tillage systems designed to meet conservation compliance requirements. PURSUIT 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.

Adequate soil moisture is required for optimum activity. Rainfall or overhead irrigation is necessary to move PURSUIT 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 treatment, a cultivation is recommended to control escaped weeds. When adequate moisture is received after dry conditions, PURSUIT 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.

PURSUIT controls weeds by uptake by weed roots and translocation to the growing points where it stops weed growth. Susceptible weeds may emerge, growth will stop and the weeds will either die or are not competitive with the crop.

SOIL APPLICATIONS WITH LIQUID FERTILIZERS

PURSUIT can be applied to the soil in liquid fertilizers, alone or in combination with PROWL, trifluralin, Lasso or Dual. Follow all PURSUIT 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 with the liquid fertilizer before mixing in the spray tank.

PREEMERGENCE (SURFACE APPLICATIONS)

PURSUIT offers flexibility in that it can be utilized in all production tillage systems. It can be applied prior to planting (up to 45 days prior to planting), at planting in conventional, reduced tillage or no-till production systems, or after planting and before crop emergence.

NO-TILL OR REDUCED TILLAGE:

Apply PURSUIT treatments before, during 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.

For maximum grass control, tank-mix PURSUIT with PROWL, Lasso or Dual. To kill existing vegetation, Gramoxone Extra, Starfire or Roundup may be tank-mixed with PURSUIT alone or in combination with PROWL, Lasso or Dual. Gramoxone Extra, Starfire or Roundup should be deleted from the tank-mixture if vegetation is absent at the time of application.

NOTE: Adjust planters to ensure adequate seed coverage.

PREPLANT INCORPORATED APPLICATIONS

PURSUIT 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 soybeans. Mechanical incorporation can be achieved by one of 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 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 with the second pass at an angle to the first. Use only on coarse textured soils.
- (d) Field cultivator with 3 or 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 at an angle to the first.
- (e) LELY-ROTERRA⁴ set and operated according to the manufacturer's directions to thoroughly incorporate PURSUIT to a depth of 1 to 3 inches.
- (f) Do-All set and operated according to the manufacturer's directions to incorporate PURSUIT 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.

When PURSUIT is soil applied for control of nutsedge, incorporate 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.

⁴LELY-ROTE: A is a trademark of Lely.

10 9 30

CROPS

SOYBEANS - DIRECTIONS FOR USE

PURSUIT HERBICIDE USE AREA (SOYBEANS)

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

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

(SEE USE AREA MAP)

USE RATE
(4 OUNCES PER ACRE)

Apply PURSUIT at a broadcast rate of 4 ounces per acre (1/4 pint) for all methods of application: early preplant, preplant incorporated, preemergence, and postemergence (including minimum and no-till). At this broadcast rate, one gallon of PURSUIT will treat 32 acres of soybeans.

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

WEEDS CONTROLLED

When applied as directed, PURSUIT will control or reduce competition from the weeds listed below. Refer to the ADDITIVES section on page 4 for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

NOTE: C = Control, R = Reduced Competition

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

BROADLEAF WEEDS

Weeds Controlled	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (inches)
Anoda, spurred	C	2	1-2
Artichoke, Jerusalem		8	6-10
Buffalobur	C*		
Bristly starbur		2	1-2
Carpetweed	C		
Cocklebur, common**	C**	8	1-8
Galinsoga	C		
Jimsonweed	C*	4	1-3
Kochia	C	4	1-3
Lambsquarter	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 sp.	C	4	1-3
Nightshade			
black	C	4	1-3
Eastern black	C	4	1-3
hairy	C	4	1-3
Pigweed			
palmer	C	8	1-8
redroot	C	8	1-8
smooth	C	8	1-8
spiny	C	8	1-8
Poinsettia, wild	C		
Puncturevine	C		
Purslane, common	C		
Pusley, Florida	C		
Sida, prickly	C*		
Ragweed, .			
common	R	4	1-3
giant	R	4	1-3
Sage, barnyard	R		1-3
Smartweed			
ladysthumb	C	4	1-3
Pennsylvania	C	4	1-3
Spurge			
prostrate	C	4	1-3
spotted	C	4	1-3
Sunflower, common.	C*	4	1-3
Velvetleaf	C*	4	1-3
Thistle, Canada	R		1-3
Waterhemp, tall	C	4	1-3

* When soil applied, common lambsquarters, jimsonweed, prickly sida, velvetleaf and common sunflower are more consistently controlled by preplant incorporated treatments.

** Use soil applications for light to moderate infestations only. Must be preplant incorporated for best results.

12930

GRASS WEEDS*

Weeds Controlled	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (inches)
Barnyardgrass	R	3	1-3
Crabgrass,			
large	R	3	1-3
smooth	R	3	1-3
Cupgrass, woolly		3**	1-3
Foxtail,			
giant	C	6	1-6
green	C	3	1-3
giant green	C	3	1-3
robust purple	C	3	1-3
robust white	C	3	1-3
yellow	C	3	1-3
Goosegrass	R		
Johnsongrass,			
seedling	C	6	1-8
rhizome		R	1-8
Panicum,			
fall	R		
Texas	R		
Red rice		3	1-3
Shattercane	R	6	1-8
Signalgrass, broadleaf	R	4	1-8
SEDGES			
Nutsedge			
purple	R	R	1-3
yellow	R	R	1-3

* When soil applied to grasses, more consistent control can be obtained from preplant incorporated treatments.

** PURSUIT controls emerged woolly cupgrass only.

Do not count cotyledon leaves when determining weed stage of growth.

13 g 30

HERBICIDE COMBINATIONS

GRASS WEEDS

PURSUIT is active against many grass species. However, when heavy grass pressure is anticipated, PURSUIT should be used in combination with one of the following registered soil-applied grass herbicides; PROWL herbicide, trifluralin, Lasso or Dual.

When applied as directed, PURSUIT preplant incorporated or preemergence combination treatments with PROWL, trifluralin, Lasso or Dual will control the weeds listed in following table, in addition to those controlled by PURSUIT alone.

	PROWL ^a	trifluralin ^b	Lasso	Dual
GRASSES				
Barnyardgrass	X	X	X	X
Crabgrass, smooth	X	X	X	X
Crabgrass, large	X	X	X	X
Crowfootgrass	X	X		
Goosegrass	X	X	X	X
Panicum, fall	X	X	X	X
Panicum, Texas	X	X		
Sandbur, field	X	X		
Shattercane	X ^b	X		
Signalgrass, broadleaf	X ^b	X	X	X
Witchgrass	X	X	X	X

a Preplant incorporated tank-mixture applications of PURSUIT plus PROWL will suppress the growth of itchgrass, wild proso millet and rhizome johnsongrass.

b Preplant incorporated treatments only.

A selective postemergence grass herbicide such as Poast Plus⁵, Fusilade 2000⁶, Assure⁷ or Option⁸ may be mixed with PURSUIT to control volunteer corn or grasses not controlled by PURSUIT. In some cases the activity of the grass herbicide may be reduced when mixed with PURSUIT. The reduction in activity may be overcome by delaying the application of the postemergence grass herbicide 7 days following the application of PURSUIT. Refer to the respective grass herbicide label for recommended application rate, weed size and restrictions.

BROADLEAF WEEDS

Broadleaf herbicides that can be tank-mixed with PURSUIT include Basagran⁵, Blazer⁵, Bronco⁹, Cobra¹⁰, Galaxy⁷, Gramoxone Extra⁶, Roundup⁹, Storm⁵, Tackle¹¹ or Reflex⁶. Certain herbicides should not be applied with PURSUIT (see Page 22 for restrictions).

PURSUIT may be applied either preplant incorporated or preemergence in tank-mix combination with metribuzin (Sencor¹² or Lexone⁷) or preemergence with linuron (Lorox⁷ or Linex¹³). PURSUIT may also be applied preplant incorporated, followed by a preemergence application of metribuzin or linuron. The tank-mix or sequential application of PURSUIT and metribuzin will enhance the control of common cocklebur and common ragweed in addition to the weeds controlled by a soil application of PURSUIT. The addition of linuron to PURSUIT will enhance the control of common ragweed.

⁵Basagran, Blazer, Storm, and Poast Plus are trademarks of BASF Corporation.
⁶Fusilade 2000, Gramoxone Extra and Reflex are trademarks of ICI Americas, Inc.
⁷Assure, Galaxy, Lexone and Lorox are trademarks of E. I. duPont de Nemours & Co., Inc.
⁸Option is a trademark of Hoechst-Roussel Agri-Vet Company.
⁹Bronco and Roundup are trademarks of Monsanto Agricultural Products Co.
¹⁰Cobra is a trademark of Valent Chemical Co.
¹¹Tackle is a trademark of Rhone-Poulenc.
¹²Sencor is a trademark of Mobay Corporation.
¹³Linex is a trademark of Griffin Ag Products Co., Inc.

15 30

PEANUTS - DIRECTIONS FOR USE

PURSUIT USE AREA (PEANUTS)

PURSUIT may be used on peanuts in any state where peanuts are grown.

PURSUIT HERBICIDE USE RATE

(4 OUNCES PER ACRE)

Apply PURSUIT at a broadcast rate of 4 ounces per acre (1/4 pint) for all methods of application (except sequential - see below): preplant incorporated, preemergence, ground-cracking and postemergence. At this broadcast rate, one gallon of PURSUIT will treat 32 acres of peanuts.

PURSUIT may also be applied in a sequential application (See p. 18) Apply 2 ounces in a soil application (preplant incorporated or preemergence) followed by 2 ounces applied at ground-crack or postemergence.

NOTE: Do not apply more than 4 ounces of PURSUIT during the growing season.

WEEDS CONTROLLED

When applied as directed, PURSUIT will control or reduce competition from the weeds listed below. Refer to the ADDITIVES section on page 4 for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

NOTE: C = Control, R = Reduced Competition

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

16 of 30

BROADLEAF WEEDS

Weeds Controlled	SOIL APPLIED	AT-CRACK	POSTEMERGENCE	
			Maximum Leaf Stage	Size (inches)
Anoda, spurred	C	C	2	1-2
Buffalobur	C*	C		
Bristly starbur			2	1-2
Carpetweed	C	C		
Cocklebur, common	C**	C	8	1-8
Devilsclaw	C	C		
Galinsoga	C	C		
Jimsonweed	C*	C	4	1-3
Lambsquarters, common	C*	C	2	1-2
Morningglory				
entireleaf	R	C	2	1-2
ivyleaf	R	C	2	1-2
pitted	R	C	2	1-2
smallflower	C	C	4	1-3
tall	R	C	2	1-2
Mustard sp.	C	C	4	1-3
Nightshade				
black	C	C	4	1-3
Eastern black	C	C	4	1-3
hairy	C	C	4	1-3
Pigweed				
palmer	C	C	8	1-8
redroot	C	C	8	1-8
smooth	C	C	8	1-8
spiny	C	C	8	1-8
Poinsettia, wild	C	C		
Puncturevine	C	C		
Purshlane, common	C	C		
Pusley, Florida	C	C		
Ragweed,				
common	R	R		
giant	R	R	4	1-3
Sida, prickly (teaweed)	C*	C		
Smartweed				
ladysthumb	C	C	4	1-3
Pennsylvania	C	C	4	1-3
Spurge				
prostrate	C	C	4	1-3
spotted	C	C	4	1-
toothed	C	C		
Sunflower, common	C*	C	4	1-3
Velvetleaf	C*	C	4	1-3
Waterhemp, tall	C	C	4	1-3

* When soil applied, common lambsquarters, jimsonweed, prickly sida, velvetleaf and common sunflower are more consistently controlled by preplant incorporated treatments.

** When soil applied, PURSUIT controls light to moderate infestations only. Must be incorporated for best results.

17950

GRASS WEEDS

Weeds Controlled	SOIL APPLIED*	AT-CRACK	POSTEMERGENCE	
			Maximum Leaf Stage	Size (inches)
Barnyardgrass	R	R	3	1-3
Crabgrass, large	R	C	3	1-3
smooth	R	C	3	1-3
Cupgrass, woolly			3**	1-3
Foxtail, giant	C	C	6	1-6
green	C	C	3	1-3
yellow	C	C	3	1-3
Goosegrass	R	R		
Johnsongrass, seedling	C	C	6	1-8
rhizome			R	
Panicum, fall	R			
Texas	R			
Red rice			3	1-3
Shattercane	R	R	6	1-8
Signalgrass, broadleaf	R	C	4	1-6

SEDGES

Nutsedge, purple	C	C	3	1-3
yellow	C	C	3	1-3

* When soil applied to grasses, more consistent control can be obtained from preplant incorporated treatments.

** PURSUIT controls emerged woolly cupgrass only.

Do not count cotyledon leaves when determining weed stage of growth.

AT CRACK APPLICATION refers to the time when the soil cracks due to the emerging peanut seedling. This generally occurs from 10 to 14 days following planting. At this time weeds have generally not germinated, or are in the seedling stage. If weeds have more than 2 true leaves, refer to the POSTEMERGENCE weed control column for weeds controlled.

In West Texas, New Mexico and Arizona, wait until late cracking (most of the peanuts have emerged) before applying PURSUIT.

18 7 30

WEEDS CONTROLLED BY SEQUENTIAL APPLICATIONS OF PURSUIT

The sequential (split) application of PURSUIT consists of an application of 2 ounces of product soil applied (either preplant incorporated or preemergence) followed by 2 ounces applied either at ground-crack or postemergence.

When applied as a sequential treatment, PURSUIT will control the weeds listed under the "WEEDS CONTROLLED BY SOIL AND GROUND CRACKING APPLICATIONS OF PURSUIT ALONE" section. It enhances the control of yellow and purple nutsedge. Apply the second application before the nutsedge exceeds 3 leaves.

19730

HERBICIDE COMBINATIONS

GRASS WEEDS

When applied as directed, PURSUIT preplant incorporated or preemergence combination treatments with PROWL^a herbicide, trifluralin, Lasso, Dual, Balan¹⁴ Sonolan¹⁴ or Vernam¹⁵ will control the weeds listed in following table, in addition to those controlled by PURSUIT alone.

	PROWL ^a	trifluralin ^b	Lasso	Dual	Balan ^b	Sonolan ^b	Vernam ^b
GRASSES							
Barnyardgrass	X	X	X	X	X	X	X
Crabgrass, smooth	X	X	X	X	X	X	X
Crabgrass, large	X	X	X	X	X	X	X
Crowfootgrass	X	X			X		
Goosegrass	X	X	X	X	X	X	X
Panicum, fall	X	X	X	X	X	X	X
Panicum, Texas	X	X			X	X	
Sandbur, field	X	X			X	X	
Signalgrass, broadleaf	X ^b	X	X	X	X	X	
Witchgrass	X	X	X	X		X	

^a Preplant incorporated tank-mixture applications of PURSUIT plus PROWL will suppress the growth of itchgrass, and rhizome johnsongrass.

^b Preplant incorporated treatments only.

A selective postemergence grass herbicide such as Poast Plus or Whip¹⁶ may be mixed with PURSUIT to control grasses not controlled by PURSUIT. In some cases the activity of the grass herbicide may be reduced when mixed with PURSUIT. The reduction in activity may be overcome by delaying the application of the postemergence grass herbicide 7 days following the application of PURSUIT. Refer to the respective grass herbicide label for recommended application rate, weed size and restrictions.

¹⁴Balan and Sonolan are trademarks of Elanco Products Company.

¹⁵Vernam is a trademark of ICI Americas Inc.

¹⁶Whip is a trademark of Hoechst-Roussel Agri-Vet Company

BROADLEAF WEEDS

Broadleaf herbicides that can be tank-mixed with PURSUIT include Basagran and Blazer, Starfire and 2,4-DB. Certain herbicides should not be applied with PURSUIT (see Page 22 for restrictions).

For the control of sicklepod, morningglories, prickly sida and common ragweed, add 2,4-DB to the PURSUIT spray mixture. For the control of Florida beggarweed, add Starfire to the spray mixture. Refer to the 2,4-DB or Starfire label for specific directions for use, application rates and restrictions.

PURSUIT may also be applied postemergence in tank-mixture with Bravo¹⁷, Bravo S¹⁷, Orthene¹⁸ or Solubor¹⁹.

¹⁷Bravo and Bravo S are trademarks of Fermenta ASC Corp.

¹⁸Orthene is a trademark of Valent Chemical Co.

¹⁹Solubor is a trademark of U.S. Borax & Chemical Corp.

ROTATIONAL CROPS

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

1. Anytime
 - Lima beans
 - Southern peas
 - Soybeans
 - Peanuts

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

3. Nine and one-half months after PURSUIT application:
 - Field corn
 - Field corn grown for seed*
 - Tobacco

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

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

* Several seed companies have tested a wide range of inbreds for sensitivity to PURSUIT 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 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 shall be assumed by the user.

Use of PURSUIT 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.

22 30

PRECAUTIONS

If soybeans are 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 or peanuts 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 and soybean or peanut harvest.

Do not graze or feed treated soybean forage, hay or straw to livestock.

Do not graze or feed treated peanut forage, vines, hay or straw to livestock.

DO NOT apply to soybeans products containing chlorimuron ethyl (Classic²⁰, Canopy²⁰, Gemini²⁰, Lorox Plus²⁰, Preview²⁰, etc.) imazaquin (SCEPTER[®], SQUADRON[®], TRI-SCEPT[®], SCEPTER[®] O.T.[®], SCEPTER[®] 70DG, ALA-SCEPT[®]) or products containing imazethapyr (PURSUIT, PURSUIT[®] PLUS, PASSPORT[®]) the same year as PURSUIT or injury to follow crops may occur.

Note: Classic may be applied postemergence to peanuts following a PURSUIT application. Refer to the Classic label for specific use recommendations.

DO NOT apply PURSUIT[®] PLUS or PASSPORT[®] to peanuts the same year as PURSUIT.

DO NOT tank-mix PURSUIT with clomazone containing herbicides (Command²¹ or Commence²¹). PURSUIT may be applied postemergence following a soil application of Command or Commence.

²⁰Classic, Canopy, Gemini, Lorox Plus and Preview are trademarks of E. I. duPont de Nemours and Company.

²¹Command and Commence are trademarks of FMC Corporation.

[®]Registered Trademarks of American Cyanamid Company.

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

American Cyanamid Company
Agricultural Division
Crop Protection Chemicals Department
Wayne, NJ 07470 ©1991

23 9 30

PURSUIT® HERBICIDE SUPPLEMENTAL LABELING

EPA Reg. No. 241-310

**AMENDED ROTATIONAL CROP RESTRICTION
FOR TRANSPLANTED TOMATOES FOLLOWING PURSUIT APPLICATIONS TO SOYBEANS
IN OHIO, MICHIGAN, INDIANA, PENNSYLVANIA,
NEW JERSEY, DELAWARE, MARYLAND AND NORTH CAROLINA**

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PURSUIT LEAFLET LABEL BEFORE USING. SEE THE PURSUIT LEAFLET LABEL FOR USE AREA, MIXING AND APPLICATION INFORMATION, WEEDS CONTROLLED AND ROTATIONAL CROP RESTRICTIONS.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. DO NOT apply this product through any type of irrigation system.

GENERAL INFORMATION

Refer to the PURSUIT leaflet label for rotational crop restrictions for tomatoes. Direct seeded tomatoes may not be planted within 26 months following a PURSUIT application to soybeans. This supplemental labelling allows planting transplanted tomatoes following 18 months of a PURSUIT application in the states listed below. Under some conditions (such as heavy texture soil, high organic matter, low pH or low rainfall) transplanted tomatoes following PURSUIT applications may exhibit a temporary reduction in growth and delay in fruit maturity.

GEOGRAPHIC AREA

Ohio, Michigan, Indiana, Pennsylvania, New Jersey, Delaware, Maryland and North Carolina.

AMENDED ROTATIONAL CROP RESTRICTION

Transplanted tomatoes may be planted 18 months following last application of PURSUIT.

This label must be in the possession of the user at the time of herbicide application.

®Registered Trademark of American Cyanamid Company

PE-17133 11/91

American Cyanamid Company
Agricultural Division
Crop Protection Chemicals Department
Wayne, NJ 07470 ©1991

24 g 30

Supplemental Label

PURSUIT® Herbicide
EPA Reg. No. 241-310

**For Postemergence Weed Control on
Federal Conservation Reserve Program and
Agricultural Reserve Program Land
Seeded to Legume Species and Perennial Forage Grasses**

Label Changes:

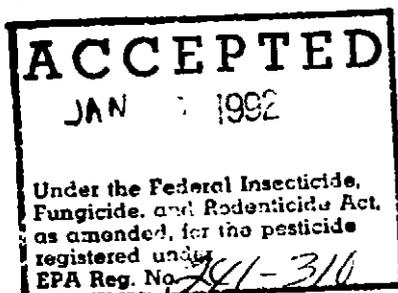
Approved Label

The approved label allows application only for weed control in crops (soybean, edible legumes and peanuts).

Proposed Supplemental Label Amendment

The proposed supplemental label recommends use of PURSUIT for weed control in non-crop field such as conservation set-aside land. The same rotational crop restrictions apply following an application of PURSUIT.

A partial list of weeds controlled is included on the supplemental label (see complete list of weeds controlled on pp. 11, 12 of approved label).



25 7 30

PURSUIT® HERBICIDE SUPPLEMENTAL LABELING

EPA Reg. No. 241-310

**FOR POSTEMERGENCE WEED CONTROL ON
FEDERAL CONSERVATION RESERVE PROGRAM
AND AGRICULTURAL RESERVE PROGRAM LAND
SEEDED TO FORAGE LEGUMES SPECIES
AND PERENNIAL FORAGE GRASSES**

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PURSUIT LEAFLET LABEL BEFORE USING. SEE THE PURSUIT LEAFLET LABEL FOR MIXING AND APPLICATION INFORMATION, ADDITIONAL WEEDS CONTROLLED, ROTATIONAL CROP AND OTHER RESTRICTIONS.

GENERAL INFORMATION

PURSUIT is effective in controlling many annual broadleaf and grass weeds in CONSERVATION RESERVE PROGRAM and AGRICULTURAL RESERVE PROGRAM (SET-ASIDE) land seeded to forage legume or grass crops. A PURSUIT application may result in temporary reduction in growth of legumes and grasses. Plants overcome temporary effects and become well established due to reduced weed competition.

DO NOT feed or graze legumes or grasses following a PURSUIT application. DO NOT cut treated legumes or grasses for hay or forage. DO NOT harvest legume seed for livestock feed. DO NOT use seed from treated legumes for sprouting. Apply only one application of PURSUIT per year.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. DO NOT apply this product through any type of irrigation system.

COVER CROPS:

LEGUMES: Apply to forage legumes including alfalfa, clovers, crownvetch, birdsfoot trefoil and lespedeza.

GRASSES: PURSUIT may be applied to the following grasses: big bluestem, little bluestem, switchgrass, Russian wildrye, intermediate wheatgrass, crested wheatgrass, western wheatgrass, tall wheatgrass, smooth brome, canarygrass or orchardgrass.

APPLICATION TIMING: PURSUIT may be applied postemergence to seedling legumes (with at least 3 fully expanded trifoliate leaves) or to established legumes. On established legumes, PURSUIT may be applied in the fall or in the spring before weeds exceed the maximum recommended size for control.

DO NOT apply to seeded grasses until they have 4 leaves.

APPLICATION RATES: Apply PURSUIT at 4 fluid ounces per acre.

ADJUVANTS: POSTEMERGENCE APPLICATIONS OF PURSUIT 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.

OR

CROP OIL CONCENTRATE: Instead of a surfactant, a petroleum or vegetable seed based oil concentrate (such as SUN-IT II™) may be used. SUN-IT II is recommended when weeds are under moisture or temperature stress. Use SUN-IT II at the rate of 1.5 to 2 pts./acre (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

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N or 10-34-0) at the rate of 1-2 qts./acre. Use the higher rate when weeds are under moisture or temperature stress. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 4 lbs./acre.

When PURSUIT is used in combination with other herbicides, refer to the respective label for rates, method 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.

WEEDS CONTROLLED

<u>BROADLEAF WEEDS</u>	<u>Maximum Leaf Stage</u>	<u>Size (Inches)</u>
Cocklebur, common	8	1-8
Jimsonweed	4	1-3
Kochia	4	1-3
Morningglory, smallflower	4	1-3
Mustard, wild	4	1-3
Nightshade, black	4	1-4
Eastern black	4	1-3
hairy	4	1-3
Pigweed, redroot	8	1-8
Shephardspurse	4	1-4
Smartweed, Pennsylvania	4	1-3
Sunflower, common	4	1-3
Velvetleaf	4	1-3

™Trademark of Agsco Inc.

279 30

WEEDS CONTROLLED (CONT.)

<u>GRASSES</u>	<u>Maximum Leaf Stage</u>	<u>Size (Inches)</u>
Crabgrass, large	3	1-3
small	3	1-3
Foxtail, giant	6	1-6
green	3	1-3
yellow	3	1-3
Johnsongrass, seedling	6	1-8
Shattercane	6	1-8
Signalgrass, broadleaf	4	1-8

See the PURSUIT leaflet label for ROTATIONAL CROP RESTRICTIONS.

CONSULT THE PURSUIT LEAFLET LABEL FOR OTHER PRECAUTIONS.

This label must be in the possession of the user at time of herbicide application.

PE-17131

11/91

American Cyanamid Company
Agricultural Division
Crop Protection Chemicals Department
Wayne, NJ 07470 ©1991

Supplemental Label

PURSUIT® Herbicide
EPA Reg. No. 241-310

Tank-mixture of PURSUIT Herbicide and Cobra¹
For Enhanced Control of Common Ragweed in Soybeans

Label Changes:

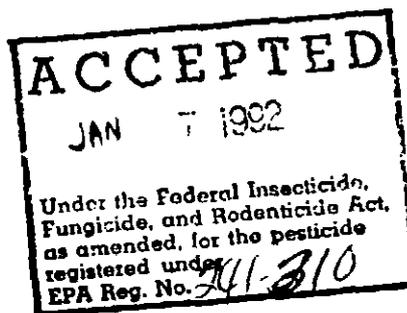
Approved Supplemental Label

The approved supplemental label restricts the tank-mixture of PURSUIT + Cobra at the control of common ragweed to the states of Indiana, Kentucky, Ohio and Michigan.

Proposed Supplemental Label Amendment

The proposed amendment removes the geographical restriction for use of the tank-mixture. Common ragweed is common to other soybean growing areas; field testing has confirmed the efficacy of this treatment across the soybean producing areas.

On page 2 the word "OR" has been added following the SURFACTANTS paragraph and the word "AND" following the CROP OIL CONCENTRATE for clarification.



[®]Registered Trademark of American Cyanamid Company

29 7 30

PURSUIT® HERBICIDE SUPPLEMENTAL LABELING

EPA Reg. No. 241-310

FOR USE IN SOYBEANS

**TANK-MIXTURE OF PURSUIT AND COBRA¹
FOR ENHANCED CONTROL OF COMMON RAGWEED IN SOYBEANS**

(REMOVED GEOGRAPHIC RESTRICTION)

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PURSUIT LEAFLET LABEL BEFORE USING. SEE THE PURSUIT LEAFLET LABEL FOR USE AREA, MIXING AND APPLICATION INFORMATION, WEEDS CONTROLLED AND ROTATIONAL CROP RESTRICTIONS.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. DO NOT apply this product through any type of irrigation system.

GENERAL INFORMATION

Cobra provides fast burn-down of susceptible broadleaf weeds. Temporary bronzing of the soybean leaves soon after application may occur. Soybeans soon outgrow early symptoms; yield will not be effected by adding Cobra to PURSUIT.

APPLICATION RATES

Apply PURSUIT at a broadcast rate of 4 ounces per acre (1/4 pint) and Cobra at 4 ounces per acre.

WEEDS CONTROLLED

The addition of Cobra to PURSUIT at the above recommended rate will enhance the control of common ragweed. Apply to common ragweeds with up to 4 leaves.

[®]Registered Trademark of American Cyanamid Company

¹Trademark of Valent U.S.A. Corporation

POSTEMERGENCE APPLICATIONS OF PURSUIT 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.

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 pts./acre (use the higher rate when weeds are at the maximum label size). Other crop oil concentrates should be used at 1.5 pts./acre.

AND

II. LIQUID FERTILIZER SOLUTION

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N or 10-34-0) at the rate of 1 - 2 qts./acre. Use the higher rate when weeds are under moisture or temperature stress. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 4 lbs./acre.

This label must be in the possession of the user at the time of herbicide application.

[™]Trademark of Agsco, Inc.

PE-17095

11/91

American Cyanamid Company
Agricultural Division
Crop Protection Chemicals Department
Wayne, NJ 07470 ©1991