

PM-25

Reg # 241-310

1910

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
236176

Application for Pesticide - Section I

1. Company/Product Number 241-310	2. EPA Product Manager R. Taylor	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) PURSUIT® herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) American Cyanamid Company Agricultural Research Division P.O. Box 400 Princeton, NJ 08543-0400 <input type="checkbox"/> Check if this is a new address.	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Notification of minor label changes per PR Notice 95-2. This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes" Package wgt		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		No. per container	No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Janet M. Overholt	Title Product Registrations Manager	Telephone No. (include Area Code) 609-716-2410
2. Signature <i>Janet M. Overholt</i>		6. Date Application Received (Stamped)
3. Title Product Registrations Manager		
4. Typed Name Janet M. Overholt	5. Date 8/28/95	

Notification of Revision to Supplemental Label for PURSUIT® Herbicide

FOR USE ON ALFALFA

EPA Reg. No. 241-310

The proposed supplemental label, dated 8/95, was derived from the previous version of the approved supplemental label for PURSUIT herbicide dated 5/95 (see Exhibit 1). The original full label for use of PURSUIT on alfalfa does not include any geographic restrictions (Exhibit 2).

Text deleted is noted by ~~strikeout~~. Text added is noted by double underline for ease of review.

Proposed Label (page no.)	Approved Label (page no.)	Nature of Change
1	1	Under MIXING INSTRUCTIONS, the statement recommending the addition of a liquid fertilizer solution has been modified to restrict its use in California. The statement "(Except in California)" has been added.
2	2	The first line on the page, LIQUID FERTILIZER SOLUTION has been modified to read "(Except in California)".
7	7	California has been added to the list of Western states. (PURSUIT was not previously approved for use in alfalfa by the state of California). The label code has been changed from "Rev. 2" to "Rev. 3". The date has been changed from 5/95 to 8/95.

® Trademark of American Cyanamid Company



Supplemental Labeling

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EPA Reg. No. 241-310

FOR USE IN ALFALFA ONLY

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE PURSUIT LEAFLET LABEL BEFORE USING. SEE THE PURSUIT LEAFLET LABEL FOR MIXING AND APPLICATION INFORMATION, WORKER PROTECTION INFORMATION AND PRECAUTIONARY STATEMENTS.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of herbicide application. DO NOT apply this product through any type of irrigation system.

GENERAL INFORMATION

SEEDLING ALFALFA

PURSUIT must be applied postemergence to seedling alfalfa. Apply PURSUIT when the seedling alfalfa is in the second (2nd) trifoliolate stage or larger and when the majority of the weeds are 1-3 inches (see weed control tables on pages 4-6). For low growing weeds (such as mustards) apply PURSUIT before the rosette exceeds 3 inches. When PURSUIT is applied to seedling alfalfa, there may be a temporary reduction in growth. Alfalfa soon outgrows any effects of the herbicide.

ESTABLISHED ALFALFA

PURSUIT can be applied to established alfalfa in the fall, in the spring to dormant, or semi-dormant alfalfa (less than 3 inches of re-growth), or between cuttings. Any application should be made before significant alfalfa growth or re-growth (3 inches) to allow PURSUIT to reach the target weeds.

Replanting: If replanting is necessary in a field previously treated with PURSUIT, do not plant the field to alfalfa for 4 months following the PURSUIT application. Refer to the ROTATIONAL CROP GUIDELINE section on this label for plant-back interval of various crops.

MIXING INSTRUCTIONS

POSTEMERGENCE APPLICATIONS OF PURSUIT REQUIRE THE ADDITION OF AN ADJUVANT. THE ADDITION OF A LIQUID FERTILIZER SOLUTION IS RECOMMENDED FOR BEST RESULTS (Except in California).

I. ADJUVANTS

SURFACTANTS: Use a non-ionic surfactant containing at least 80% active ingredient. Apply the surfactant at the rate of 1 quart per 100 gallons (0.25% V/V). An organo-silicone surfactant may be used in place of a non-ionic surfactant.

OR

CROP OIL CONCENTRATE: Instead of a surfactant, a petroleum or vegetable seed based oil concentrate (such as SUN-IT II¹) may be used. SUN-IT II is recommended when weeds are under moisture or temperature stress. Use SUN-IT II or other methylated seed oils at the rate of 1.5 to 2 pints per acre (use the higher rate when weeds are at the maximum label size), or use a crop oil concentrate at 2 pints per acre.

II. LIQUID FERTILIZER SOLUTION (Except in California)

4819

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N or 10-34-0) at the rate of 1-2 quarts per 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 2.5 lbs per acre.

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

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

To control weeds not listed on the PURSUIT label, herbicides such as Buctril², 2,4-DB, POAST³ or POAST PLUS³ may be tankmixed with PURSUIT. 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.

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, cole crops, sugar beets, cotton, trees and vines.

GROUND APPLICATIONS:

Uniformly apply with properly calibrated ground equipment in 10 or more gallons of water per acre. Use higher gallonage (i.e. 20 gallons of water per acre) for fields with dense vegetation or heavy weed pressure. A spray pressure of 20 to 40 psi is recommended.

Adjust the boom height to ensure proper coverage of weed foliage (according to the manufacturer's recommendation). Use only flat-fan nozzle tips only.

Avoid overlaps when spraying.

AERIAL APPLICATION:

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 0.25% v/v, OR a crop oil concentrate at the rate of 1.25% v/v. A liquid fertilizer is recommended at the rate of 1 quart per acre. 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 mph. 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.

DO NOT apply by air in California.

APPLICATION INFORMATION

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PURSUIT is effective in controlling a broad spectrum of broadleaf and grass weeds. Alfalfa has excellent tolerance to postemergence applications of PURSUIT after the second trifoliolate leaf has expanded. Minor height reduction or slight leaf yellowing may occur soon after application. The effects are temporary and the alfalfa will soon recover.

Apply PURSUIT as an early postemergence treatment when the weeds are actively growing. Weeds are generally easier to control before they exceed 3 inches in height. Weeds under stress are less susceptible to control in cold or drought stress conditions.

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

STAND ESTABLISHMENT

Apply PURSUIT after the alfalfa has 2 fully expanded trifoliolate leaves. Weeds must not exceed the size listed in the WEEDS CONTROLLED tables. PURSUIT may be applied to summer, fall or spring seeded alfalfa.

Inter-seeded Oats

Oats inter-seeded with alfalfa will reduce soil erosion and allow the alfalfa to establish. Oats, however can compete with the alfalfa. An application of PURSUIT will kill or significantly reduce the growth of the oats and allow the alfalfa to establish with minimal erosion or competition from the oats. Apply PURSUIT to the oats when the oats have 3-4 leaves.

ESTABLISHED ALFALFA - DORMANT

PURSUIT may be applied to dormant alfalfa in the fall following the last cutting. PURSUIT may also be applied in the spring to dormant alfalfa, or as alfalfa breaks dormancy. Apply spring treatments prior to excessive alfalfa growth (less than 3 inches), to reduce spray interference.

ESTABLISHED ALFALFA - GROWING

For weed control during the season, apply PURSUIT following alfalfa cutting. Remove the hay from the field and apply PURSUIT prior to excessive alfalfa regrowth.

Perennial Grass Suppression

If perennial grasses (such as orchardgrass, fescues, bromes or timothy) are present in an alfalfa stand, PURSUIT will reduce the growth and competitive effect of the grass.

Do not apply to alfalfa during the last year of the stand.

USE RATE (3 TO 6 OUNCES PER ACRE)

Apply PURSUIT at a broadcast rate of 3 to 6 fluid ounces per acre to seedling or established alfalfa.

NOTE: A maximum of 6 ounces of PURSUIT per year may be applied to alfalfa.

WEEDS CONTROLLED

When applied as directed, PURSUIT will control or reduce competition from the weeds listed below. Refer to the MIXING INSTRUCTIONS section on pages 1-2 for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

NOTE: C = Control R = Reduced Competition

BROADLEAF WEEDS CONTROLLED

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WEEDS 1-3 Inches*	PURSUIT APPLICATION RATE		
	3 Oz/A	4 Oz/A	6 Oz/A
Artichoke, Jerusalem	R	C	C
Beets, wild	C	C	C
Bedstraw, catchweed		C	C
Buckwheat, wild		C	C
Chickweed			
common	R	C	C
mouseear	R	C	C
Cocklebur, common	R	C	C
Dandelion		R	R
Dock,			
broadleaf (seedling)			R
curly (seedling)			R
Fiddleneck			R
Filaree			
redstem		R	C
whitestem		R	C
Flixweed	R	C	C
Goosefoot, nettleleaf	R	C	C
Grousel, common			R
Henbit		R	C
Jimsonweed		C	C
Knotweed, prostrate		R	C
Kochia	R	C	C
Lambsquarter,			
common (1-2 leaves)		R	R
Lettuce, miners		C	C
Mallow,			
common		C	C
little		C	C
Marshelder		C	C
Morningglory,			
entireleaf			C
ivyleaf			C
pitted			C
smallflower		C	C
tall			C
Mustards			
tumble	C	C	C
wild	C	C	C
black	C	C	C
Nettle, burning		C	C

*Apply PURSUIT to weeds 1-3 inches tall or when rosettes are 1-3 inches wide. This will generally occur when weeds have 2-6 leaves.

BROADLEAF WEEDS CONTROLLED - Continued

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WEEDS 1-3 Inches	PURSUIT APPLICATION RATE		
	3 Oz/A	4 Oz/A	6 Oz/A
Nightshade			
black	C	C	C
Eastern black	C	C	C
hairy	C	C	C
Oxtongue, bristly			R
Pennycress, field	C	C	C
Pepperweed,			
field	C	C	C
Virginia	R	C	C
Pigweed			
redroot	C	C	C
smooth	R	C	C
spiny		C	C
Radish, wild		R	C
Ragweed			
common		C	C
giant		C	C
Redmaids		C	C
Rocket			
London	C	C	C
yellow	R	C	C
Rockpurslane, desert			C
Shepherdspurse	C	C	C
Smartweed			
ladysthumb	R	C	C
Pennsylvania	R	C	C
swamp (seedling)		C	C
Spurge			
prostrate		R	C
spotted		R	C
petty		C	C
Spurry, corn		C	C
Sunflower, common	R	C	C
Swinecress		C	C
Tansymustard			
green	C	C	C
pinnate	C	C	C
Thistle, Russian	R	C	C
Velvetleaf	R	C	C
Wartcress, creeping		C	C
Watercress		C	C
Willowweed, panicle		C	C

GRASSES AND SEDGES CONTROLLED

8910

WEEDS 1-3 Inches	PURSUIT APPLICATION RATE	
	4 Oz/A	6 Oz/A
Barnyardgrass	R	C
Bluegrass, annual		R
Canarygrass, littleseed	R	R
Cereals, volunteer		
barley	R	R
oats	R	R
wheat	R	R
Crabgrass,		
large	R	C
smooth	R	C
Cupgrass, woolly*	C	C
Foxtail,		
giant (1-6 leaves)	C	C
green	C	C
yellow	R	C
Johnsongrass,		
seedling (1-6 leaves)	C	C
rhizome	R	R
Millet, wild proso	R	C
Nutsedge,		
yellow	R	R
purple	R	R
Oats, wild	R	R
Rice, red	C	C
Shattercane (1-6 leaves)	C	C
Signalgrass, broadleaf	R	C
Quackgrass**		R

*PURSUIT controls emerged woolly cupgrass only.

**Quackgrass will be suppressed only when actively growing and before it exceeds 7 inches in height.

ROTATIONAL CROP GUIDELINE

9910

The following rotational crops may be planted after applying PURSUIT at the recommended rate: (Planting earlier than the recommended interval may result in crop injury).

1. Anytime
 - Lima beans
 - Southern peas
 - Soybeans
 - Peanuts
 - IMI-Corn™ (resistant/tolerant to PURSUIT).
2. Four months after PURSUIT application:
 - Alfalfa
 - Rye
 - Wheat
 - Edible beans and peas (other than lima beans and Southern peas)
3. Eight and one-half months after PURSUIT application:
 - Field corn
 - Field corn grown for seed*
4. Nine and one-half months after PURSUIT application:
 - Barley
 - Tobacco
5. Eighteen months after PURSUIT application:

Cotton	Lettuce
Oats	Popcorn
Safflower	Sorghum
Sunflower	Sweet corn
6. Twenty six months after PURSUIT application.
 - Potatoes
 - All crops not listed elsewhere in this ROTATIONAL CROP GUIDELINE.**
7. Forty months after PURSUIT application.
 - Sugar beets
 - Red table beets
 - All crops not listed elsewhere in this ROTATIONAL CROP GUIDELINE.***

* 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.

** Applies to states other than the western states.

*** Applies to western states (including: Washington, Oregon, California, Montana, Idaho, Utah, Nevada, Wyoming, Colorado, Arizona, New Mexico, west Texas, western Kansas, western Nebraska, and South Dakota).

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.