

Label Directions for Use Amendments for
PURSUIT® Herbicide
EPA Reg. No. 241-310

The PURSUIT label for use of PURSUIT on PEANUTS (dated 2/91) has been combined with the SOYBEAN label (dated 9/90) into a single label dated 7/91. The SOYBEAN label dated 9/90 is a combination of text submitted as final print notification (dated 9/5/90, submitted September 26, 1990) and amendment changes dated 9/6/91 and approved November 8, 1990). No other changes have been made to the 9/90 PURSUIT label. The approved peanut label referenced is dated 3/91 (approved May 23, 1991).

(PAGE NO.)

(NATURE OF CHANGE)

Page 1

Title changed to "FOR USE IN SOYBEANS AND PEANUTS"

Copyright date changed to ©1991 from ©1990

Date of current label is 7/91

Page 2

The first statement under ENVIRONMENTAL HAZARDS has been updated to reflect current surface water precautions.

Page 3

The third paragraph under DISCLAIMER clarifies Cyanamids position regarding express or implied warranties by agents or representatives. (This incorporates text from the last paragraph under DISCLAIMER of the approved label - p.3).

The fourth paragraph details limitations of liability.

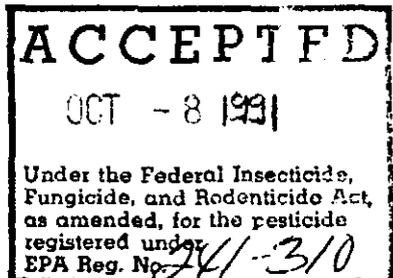
The second paragraph under GENERAL INFORMATION adds the statement "at ground-cracking (peanuts)" to timing of application recommendations.

Page 4

The words "soybean" and "peanut" have been changed to "crop" in the third paragraph describing occasional stunting.

In the last paragraph under GENERAL INFORMATION the replanting statement allows replanting either soybeans or peanuts following a PURSUIT application.

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The ADDITIVES section has been moved from ADDITIONAL INSTRUCTIONS - POSTEMERGENCE section from the soybean 9/90 label to MIXING INSTRUCTIONS section.

The CROP OIL CONCENTRATE paragraph was added from the approved Supplemental label dated 1/91 and approved 2/26/91 (see Tab - Approved Label SUPPLEMENTAL (crop oil concentrate). The words OR and AND were added following the SURFACTANTS and CROP OIL CONCENTRATE paragraphs.

The Dash additive recommendation has been deleted from the SURFACTANTS section.

Page 5

Additions of liquid fertilizer is not required south of Interstate highway 40 (statement under "NOTE" - increase in efficacy has not been observed).).

Gramoxone Super has been changed to Gramoxone Extra (tradename change) and Starfire (another formulation of paraquat) added to the label (second paragraph).

Crop oil concentrate is added as an alternate adjuvant in tank-mixing instructions, second paragraph.

Paragraph 5 has been added to instruct users to refer to other labels for precautions and restrictions when tank-mixing PURSUIT with other products.

Under SPRAYING INSTRUCTIONS, cotton has been deleted from the sensitive crop statement in the second sentence.

Page 7

The second paragraph under APPLICATION INFORMATION has been added, referring the reader to the MIXING INSTRUCTIONS section for information on additives.

Paragraphs 3, 4, and 5 have been moved up from following the ADDITIVES section under APPLICATION INFORMATION (See p. 10 of approved label).

The first sentence under NO-TILL/MINIMUM TILLAGE AND DOUBLECROP SOYBEANS has been modified to include mention of PURSUIT usage on minimum tillage and doublecrop soybeans.

The HERBICIDE COMBINATIONS (POSTEMERGENCE) has been moved to page 14 and combined with the SOIL APPLICATIONS herbicide combinations.

Page 8

The HERBICIDE COMBINATIONS (SOIL APPLIED) section has been moved to page 14 and combined with postemergence combination recommendation. The second sentence under PREEMERGENCE (SURFACE APPLICATIONS) has been clarified with specific timing information. With this clarification, the CONVENTIONAL TILLAGE section has been deleted (redundant - See p. 15 of approved label).

Page 9

The last paragraph under PREPLANT INCORPORATED APPLICATIONS has been added to stress the importance of good incorporation, particularly for nutsedge control.

Page 10

This section of the label is specific to SOYBEAN use directions. The specific USE AREA boundaries of Minnesota and Texas are designated by highways.

The weed control tables have been re-formatted for ease of reading. Information for interpreting the tables is included under WEEDS CONTROLLED.

Page 11

Soil applied and postemergence weed control tables have been consolidated. Spurred anoda and bristly starbur have been added; spurred anoda is included in the approved peanut label (p. 7,14). Buffalobur has been added from the approved peanut label (p. 7). Control of wild poinsettia postemergence has been deleted. The size of postemergence control of tall waterhemp has been reduced from 8 inches to 4 inches.

Page 12

The maximum size of control of giant foxtail has been increased from 3 leaves to 6 leaves (from 1-3 inches to 1-6 inches).

Postemergence control of broadleaf signalgrass has been changed from "suppression" category to "control" (consistent with the peanut label - see p. 14 of approved peanut label).

Page 13

The HERBICIDE COMBINATION section has been re-formatted for ease of reading. (Previously is was in two parts - postemergence and soil applied combinations. The new format is organized into one section - grass herbicide and broadleaf herbicide combinations.

The table of grasses controlled by PURSUIT and grass herbicide tank-mixes has been placed under GRASS WEEDS (from p. 13 of approved label).

Page 14

The first paragraph is the postemergence grass herbicide recommendation (previously on p. 10 of the approved label). Option herbicide has been added to tank-mixtures allowed.

In the first paragraph under BROADLEAF WEEDS Bronco, Roundup, Gramoxone Extra and have been added to tank-mixture recommendation. Gramoxone Super was changed to Gramoxone Extra (tradename change). (See p. 10 of approved label).

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Under BROADLEAF WEEDS, the first paragraph was on p. 10, the second paragraph was on p. 14 of the approved label.

Page 15

This section of the label is specific to PEANUT use directions. The PEANUT USE AREA statement is to clarify lack of geographic restrictions (unlike the SOYBEAN USE AREA).

In the second paragraph under PURSUIT HERBICIDE USE RATE, THE PHRASE "for increased suppression of difficult to control weeds" as been deleted.

The WEEDS CONTROLLED tables have been re-formatted, as the soybean tables. The format is explained.

Page 16

Weeds deleted from the weed control table include copperleafs (hophornbeam and Virginia), eclipta and hairy indigo.

Control of common ragweed postemergence has been deleted.

Page 17

The maximum size of giant foxtail controlled is increased from 3 leaf to 6 leaf (1-3 inches to 1-6 inches).

The AT CRACK application timing definition has been re-worded for clarification and moved from following the PREEMERGENCE section of the approved label (p. 13).

Arizona has been added to states restricted to late "Cracking" applications.

Page 18

In the second paragraph, the maximum size of nutsedge for control under sequential applications has been reduced from 5 leaves to 3 leaves at postemergence application.

Page 19

The HERBICIDE COMBINATIONS section has been revised for ease of reading. Under GRASS WEEDS is included the table of grasses controlled by tank-mixture combinations (from p. 10 of approved peanut label).

Vernam is added to soil applied grass herbicides in the first paragraph. (It was already listed in the table of weeds controlled).

The postemergence grass herbicide combination recommendation is included here (from p. 16 of the approved peanut label). The herbicide Whip has been added to the recommendation.

Page 20

BROADLEAF WEEDS under HERBICIDE COMBINATIONS includes change of Gramoxone Extra to Starfire (brand name change - see p. 16 of the approved peanut label).

The last statement allows PURSUIT to be tank-mixed with certain registered insecticides and fungicides.

Page 21

A category of crops that can be planted "anytime" following an application of PURSUIT has been added to the ROTATIONAL CROP section. In addition to soybean and peanuts, lima beans and southern peas have been added to this category. Both lima beans and southern peas are registered at the same use rate (4 oz/Acre) as peanuts or soybeans.

Rye has been added to the list of crops allowed to be planted at 4 months following a PURSUIT application. (Rye is listed at 4 months on the approved peanut label, p. 17).

Other edible beans and peas have added to the four month plant-back category. (These edible legumes are registered up to 3 oz/Acre, hence delayed plant-back restriction.

Field corn grown for seed is differentiated from production field corn. There is a slight chance of injury to corn grown for seed, the grower is advised to consult the seed corn company for recommendations on planting corn grown for seed following PURSUIT applications.

Sensitive vegetable crops have been added to the twenty six month plant-back restriction (carrots, celery, cole crops, garlic, onions, spinach and tomatoes).

The requirement of conducting a field bio-assay prior to planting sugarbeets following a PURSUIT application has been deleted.

Page 22

The PRECAUTIONS section heading has been added.

This section combines precautions and restrictions from both the approved soybean and peanut labels.

The restriction of products used the same year as PURSUIT in paragraph 7 are specific to soybeans (only Classic is registered for use on peanuts).

The "NOTE" has been added to clarify that Classic may be used on peanuts the same year as PURSUIT

Paragraph 9 prohibits PURSUIT PLUS or PASSPORT (imazethapyr containing products from use the same year as PURSUIT on peanuts. (Imazaquin containing products listed on the approved peanut label are not registered for use on peanuts).

A telephone number has been added for grower/applicators seeking additional product information.

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PURSUIT®
herbicide

6327

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)

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7 27
) 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 PUKSUIT. 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.

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.

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The mode of weed kill. Ig activity involves uptake of PARSUIT by weed roots and/or foliage and rapid translocation to the growing points. Adequate soil moisture is important for optimum PARSUIT activity. When adequate soil moisture is present, PARSUIT 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 PARSUIT 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 PARSUIT applications. This will not affect crop yields.

CHANGED FROM
SOYBEAN, PEANUT

Replanting: If replanting is necessary in a field previously treated with PARSUIT, 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 PARSUIT.

ADDED

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 PARSUIT. Add PARSUIT to the spray tank with agitating. Fill the remainder of the tank with water.

DELETED PARAGRAPH

POSTEMERGENCE APPLICATIONS OF PARSUIT REQUIRE THE ADDITION OF AN ADJUVANT AND A LIQUID FERTILIZER SOLUTION.

I. ADJUVANTS

DELETED "DASH" RECOMMENDATION

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

OR ADDED

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 ADDED

ADDED (SEE
APPROVED LABEL
8/90).

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.

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

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(ADDED)

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.

(DELETED COTTON)

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.

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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.

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 weeds.

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 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.

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APPLICATION INFORMATION

12 7 27

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.

ADDED

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.

MOVED FROM FOLLOWING "ADDITIVES" SECTION (APPROVED LABEL P. 10)

PURSUIT should be applied a minimum of one hour before rainfall or overhead irrigation. MOVED FROM "HERBICIDE COMBINATION" SECTION (P. 10 APPROVED LABEL)

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).

ADDED

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).

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"HERBICIDE COMBINATIONS" MOVED TO P. 13

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.

ADDED

DELETED "CONVENTIONAL TILLAGE" SECTION

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NO-TILL OR REDUCED TILLAGE:

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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.

ADDED

⁴LELY-ROTERRA is a trademark of Lely.

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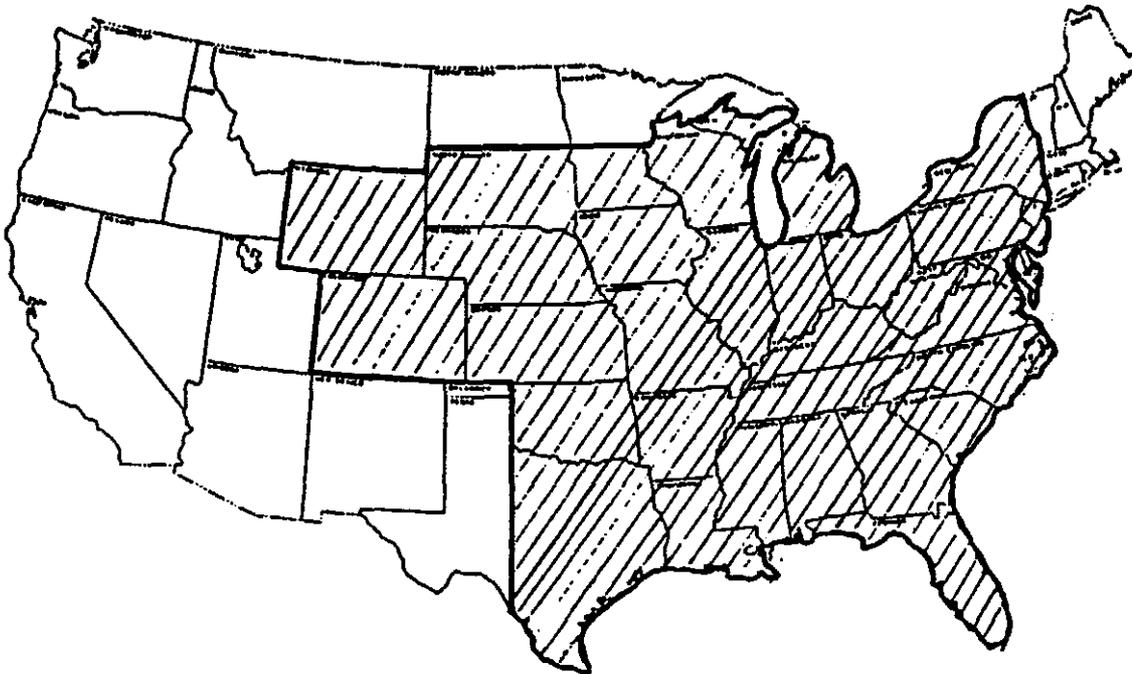
SOYBEANS - DIRECTIONS FOR USE

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).

ADDED



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).

ADDED.

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BROADLEAF WEEDS

Weeds Controlled	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (inches)
Anoda, spurred	C	2	1-2
Artichoke, Jerulalem		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

DELETED

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CHANGED FROM 8"

* 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.

GRASS WEEDS*

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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.

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HERBICIDE COMBINATIONS

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(P. 14 APPROVED LABEL)

GRASS WEEDS

MOVED FROM "HERBICIDE COMBINATIONS"

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.

APPROVED

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.

MOVED FROM "HERBICIDE COMBINATIONS"

BROADLEAF WEEDS (APPROVED LABEL P. 10)

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 on linuron to PURSUIT will enhance the control of common ragweed.

SEE P. 14 APPROVED LABEL

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.

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).

BROADLEAF WEEDS

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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		
Purslane, 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	1-3
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.

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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.

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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.

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HERBICIDE COMBINATIONS

GRASS WEEDS

When applied as directed, PURSUIT preplant incorporated or preemergence combination treatments with PROWL^a herbicide, trifluralin, Lasso, Dual, Balan¹⁴ Sonalan¹⁴ 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	Sonalan ^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 Sonalan are trademarks of Elanco Products Company.

¹⁵Vernam is a trademark of ICI Americas Inc.

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

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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

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

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

- 2. Four months after PURSUIT application:
 - Barley
 - Rye
 - Wheat **ADDED**
 - 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* **ADDED**
 - Tobacco

- 4. Twenty six months after PURSUIT application.
 - Carola (Rapeseed)
 - Carrots
 - Celery
 - Cole crops **ADDED (CHANGED FROM**
 - Garlic **18 MONTH).**
 - Onions
 - Potatoes
 - Spinach
 - Sugarbeets
 - Tomatoes **DELETED FIELD BIOASSAY REQUIREMENT**

DO NOT plant other rotational crops prior to . . . 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.

ADDED

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.

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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. SEE APPROVED PEANUT LABEL P. 17

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.

ADDED

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

ADDED

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.

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

ADDED

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.

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