

**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/PRECAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail).

**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.

**IF INHALED:** Remove victim to fresh air.

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

See Next Page for Additional Precautionary Statements

American Cyanamid Company  
Agricultural Products Division  
Crop Protection Chemicals Department  
Wayne, NJ 07470 ©1994

with ~~the~~ ~~label~~  
EPA Letter Dated:

FEB 23 1994

Net Contents: 1 gallon  
(3.78 liters)

•Registered Trademark of American Cyanamid Company

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is amended for use as registered under EPA Reg. No. 241-310

241-310

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS**

**CAUTION!**

Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

**Personal Protective Equipment (PPE):**

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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**User Safety Recommendations:**

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to 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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- waterproof gloves
- shoes plus socks

**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.

**DISCLAIMER**

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, herbicide resistant weed populations, or the use of, or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above. **CYANAMID DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**BUYER'S EXCLUSIVE REMEDY AND AMERICAN CYANAMID'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF PURSUIT.** In no case shall Cyanamid or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

**Uses With Other Products (Tank-mixes)**

If this product is used in combination with any other product except as specifically recommended in writing by American Cyanamid Company, then American Cyanamid Company shall have no liability for any loss, damage or injury arising out of its use in any such combination not so specifically recommended. If used in combination recommended by American Cyanamid Company, the liability of American Cyanamid Company shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the American Cyanamid Company product in such combination use, and in any event shall be limited to return of the account of the purchase price of the American Cyanamid Company product.

**GENERAL INFORMATION**

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.

PURSUIT kills weeds by root and/or foliage uptake 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.

Within any weed population, there may be the potential for the occurrence of weeds resistant to herbicides when compounds that affect the same site of action are used continuously on the same acre. Therefore, any multiple year weed management program should include, when local agronomic practices allow, as many of the following practices as possible:

- use scouting and weed thresholds to determine the need for herbicide treatment
- utilize tank-mixtures or sequential applications of different mode-of-action herbicides to control the same target weeds
- combine cultivation with herbicide treatments

See your Cyanamid representative for additional information.

Occasionally, internode shortening and/or temporary yellowing of crop plants may occur following PURSUIT applications. These effects occur infrequently and are temporary. Normal growth and appearance should resume within 1 to 2 weeks. These effects will not affect crop yields.

Replanting: If replanting is necessary in a field previously treated with PURSUIT, the field may be replanted to soybeans, peanuts or Imi-Corn<sup>™</sup> (imidazolinone resistant/tolerant corn), lima beans or Southern peas. Rework the soil no deeper than the treated zone. Do not apply a second treatment of PURSUIT.

#### MIXING INSTRUCTIONS

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 quart per 100 gallons.

OR

**CROP OIL CONCENTRATE:** Instead of a surfactant, a petroleum or vegetable seed based oil concentrate (such as SUN-IT II<sup>™</sup>) 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.

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 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.

<sup>™</sup> Trademark of American Cyanamid Company.

<sup>1</sup>SUN-IT II is a trademark of Agsco, Inc.

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

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**

If other herbicides are tank-mixed with PURSUIT, while agitating, add components in the following order:

- 1) Fill spray tank 1/4 to 1/2 full with clean water.
- 2) Add PURSUIT and thoroughly mix.
- 3) Add other aqueous sol. ion products.
- 4) Add soluble packet products and thoroughly mix.
- 5) Add WP (wetttable powder), DG (dispersible granule), DF (dry flowable) or liquid flowable formulations not in soluble packets.
- 6) Add EC (emulsifiable concentrate) products.
- 7) Add surfactant or crop oil to the spray tank.
- 8) Add liquid fertilizer.
- 9) While agitating, fill the remainder of the tank with water.

If dicamba sprayer contamination is possible, refer to the appropriate dicamba label (Banvel<sup>2</sup>, Marksman<sup>2</sup>) 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 sugar beets.

#### **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 manufacturer's recommendation). Use only flat-fan nozzle tips for postemergence applications.

Avoid overlaps when spraying.

#### **PURSUIT APPLICATIONS WITH A MELROE SPRA-COUPPE**

PURSUIT may be applied to soybeans with a Spra-Coupe sprayer. When applying

<sup>2</sup>Banvel and Marksman are trademarks of Sandoz Crop Protection Corporation.

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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 OR a crop oil concentrate at the rate of 1.5 - 2 pints per acre 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.

#### **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

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size and not crop 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° or until weeds are actively growing. Unusually cool temperatures (40° or less) reduce photosynthesis and transpiration. This reduces the uptake and translocation (and effectiveness) of PURSUIT in weeds.

Use a soil applied grass herbicide (such as PROWL® 3.3EC 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 3.3EC (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).

#### **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

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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 3.3EC, trifluralin, Lasso<sup>3</sup> or Dual<sup>4</sup>. 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. 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 3.3EC, Lasso or Dual. To kill existing vegetation, Gramoxone Extra<sup>5</sup>, Starfire<sup>5</sup>, Roundup<sup>3</sup> or 2,4-D (early preplant - see 2,4-D label for limitations) may be tank-mixed with PURSUIT alone or in combination with PROWL 3.3EC, Lasso or Dual. Gramoxone Extra, Starfire, Roundup or 2,4-D should be deleted from the tank-mixture if vegetation is absent at the time of application.

<sup>3</sup>Lasso and Roundup are trademarks of Monsanto Agricultural Company.

<sup>4</sup>Dual is a trademark of Ciba-Geigy Corporation.

<sup>5</sup>Gramoxone Extra and Starfire are trademarks of ICI Americas Inc.

**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. When applied to beds, maintain PURSUIT in the surface 1 to 2 inches of the finished beds. 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-ROTERRA<sup>6</sup> 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 in peanuts 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.

<sup>6</sup>LELY-ROTERRA is a trademark of Lely.

**DIRECTIONS FOR USE**

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PURSUIT is effective in controlling many annual broadleaf and grass weeds in CONSERVATION RESERVE PROGRAMS and AGRICULTURAL RESERVE PROGRAMS (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.

**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 RATE:** Apply PURSUIT at 4 fluid ounces per acre.

**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.

Refer to the WEEDS CONTROLLED under the SOYBEAN section of this label.

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**PURSUIT HERBICIDE USE AREA (SOYBEANS)**

(Not for use in California)

Do not apply PURSUIT to soybeans in North Dakota or in Minnesota north of state highway 210.

**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 MIXING INSTRUCTIONS 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)
Alligator weed		4	1-3
Anoda, spurred	C	2	1-2
Artichoke, Jerusalem		8	6-10
Buffalobur	C*	R	1-3
Bristly starbur		2	1-2
Carpetweed	C		
Cocklebur, common	R	8	1-8
Galinsoga	C		
Jimsonweed	C*	4	1-3
Kochia	C	4	1-3
Lambsquarters, common	C*	R	1-2
Mallow, Venice	R		
Marshelder	C	4	1-3
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		
Purshlane, 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	C*	4	1-3
Velvetleaf	C*	4	1-3
Thistle, Canada		R	1-3
Waterhemp, tall	C	4	1-3

\* When PURSUIT is soil applied, these weeds are more consistently controlled by preplant incorporated treatments.

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
yellow	C	3	1-3
Goosegrass	R		
Johnsongrass,			
seedling	C	6	1-8
rhizome		R	1-8
Millet, wild proso	R	R	1-3
Panicum,			
fall	R		
Texas	R		
Red rice		3	1-3
Shattercane	R	6	1-8
Signalgrass, broadleaf	R	4	1-8
Sorghum, alnum	R	6	1-3

SEDGES

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

\* When soil applied to grasses, preplant incorporated treatments of PURSUIT are more consistent.

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

PURSUIT is active against many broadleaf and grass species. However, when heavy grass or common lambsquarters pressure is anticipated, PURSUIT should be used in combination with a registered soil-applied grass herbicide (See HERBICIDE COMBINATIONS section).

HERBICIDE COMBINATIONS

GRASS WEEDS

PURSUIT should be used in combination with one of the following registered soil-applied grass herbicides; PROWL 3.3EC herbicide, trifluralin, Lasso or Dual.

When applied as directed, PURSUIT preplant incorporated or preemergence combination treatments with PROWL 3.3EC, trifluralin, Lasso or Dual will control the weeds listed in following table, in addition to those controlled by PURSUIT alone.

	PROWL 3.3EC <sup>a</sup>	trifluralin <sup>b</sup>	Lasso	Dual
<b>GRASSES</b>				
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
Millet, wild proso	X	X		
Panicum, fall	X	X	X	X
Panicum, Texas	X	X		
Sandbur, field	X	X		
Shattercane	X	X		
Signalgrass, broadleaf	x <sup>b</sup>	X	X	X
Witchgrass	X	X	X	X

<sup>a</sup> Preplant incorporated tank-mixture applications of PURSUIT plus PROWL 3.3EC will suppress the growth of itchgrass, and rhizome Johnsongrass.

<sup>b</sup> Preplant incorporated treatments only.

A selective postemergence grass herbicide such as Select<sup>7</sup>, Poast Plus<sup>8</sup>, Fusilade 2000<sup>9</sup>, Fusion<sup>9</sup>, Assure<sup>10</sup> or Option<sup>11</sup> may be mixed with PURSUIT to control volunteer corn or grasses not controlled by PURSUIT. For best results use SUN-IT II or a crop oil concentrate AND liquid fertilizer with grass herbicide tank-mixtures.

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. If the grass herbicide is applied first, wait 3 days before applying 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 Basagran<sup>8</sup>, Blazer<sup>8</sup>, Bronco<sup>12</sup>, Cobra<sup>7</sup>, Galaxy<sup>8</sup>, Gramoxone Extra, Roundup, Storm<sup>6</sup>, or Reflex<sup>9</sup>. 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 (Sencor<sup>13</sup> or Lexone<sup>10</sup>) or preemergence with linuron (Lorox<sup>10</sup> or Linex<sup>14</sup>). 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.

<sup>7</sup>Cobra and Select are trademarks of Valent Chemical Co.

<sup>8</sup>Basagran, Blazer, Galaxy, Storm, and Poast Plus are trademarks of BASF Corporation.

<sup>9</sup>Fusilade 2000, Fusion, and Reflex are trademarks of ICI Americas Inc.

<sup>10</sup>Assure, Lexone and Lorox are trademarks of E. I. duPont de Nemours & Co., Inc.

<sup>11</sup>Option is a trademark of Hoechst-Roussel Agri-Vet Company.

<sup>12</sup>Bronco is a trademark of Monsanto Agricultural Products Co.

<sup>13</sup>Sencor is a trademark of Miles Corporation.

<sup>14</sup>Linex is a trademark of Griffin Ag Products Co., Inc.

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**PEANUTS - DIRECTIONS FOR USE**

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**PURSUIT USE AREA (PEANUTS)**

(Not for use in California)

PURSUIT may be used on peanuts in any state where peanuts are grown (except California).

**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 page 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 MIXING INSTRUCTIONS 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).

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**BROADLEAF WEEDS**

Weeds Controlled	SOIL APPLIED	AT-CRACK	POSTEMERGENCE	
			Maximum Leaf Stage	Size (inches)
Alligator weed		C	4	1-3
Anoda, spurred	C	C	2	1-2
Buffalobur	C*	C	R	1-3
Bristly starbur			2	1-2
Carpetweed	C	C		
Cocklebur, common	R	C	8	1-8
Devilsclaw	C	C		
Galinsoga	C	C		
Jimsonweed	C*	C	4	1-3
Lambsquarters, common	C*	C	R	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	4	1-3
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	C*	C	4	1-3
Velvetleaf	C*	C	4	1-3
Waterhemp, tall	C	C	4	1-3

\* When PURSUIT is soil applied, these weeds are more consistently controlled by preplant incorporated treatments.

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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	1-8
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 PURSUIT is soil applied to grasses, more consistent control can be obtained from preplant incorporated treatments.

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.

PURSUIT is active against many broadleaf and grass species. However, when heavy grass or common lambsquarters pressure is anticipated, PURSUIT should be used in combination with a registered soil-applied grass herbicide (See HERBICIDE COMBINATIONS section).

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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 "SOIL APPLIED" and "AT-CRACK" applications in the BROADLEAF WEEDS and GRASS WEEDS tables (in the peanut section of the label). It enhances the control of yellow and purple nutsedge. Apply the second application before the nutsedge exceeds 3 leaves.

HERBICIDE COMBINATIONS

GRASS WEEDS

When applied as directed, PURSUIT preplant incorporated or preemergence combination treatments with PROWL 3.3EC<sup>®</sup> herbicide, trifluralin, Lasso, Dual, Balan<sup>15</sup> Sonolan<sup>15</sup> or Vernam<sup>16</sup> will control the weeds listed in following table, in addition to those controlled by PURSUIT alone.

	PROWL 3.3EC <sup>a</sup>	trifluralin <sup>b</sup>	Lasso	Dual	Balan <sup>b</sup>	Sonolan <sup>b</sup>	Vernam <sup>b</sup>
<b>GRASSES</b>							
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 <sup>b</sup>	X	X	X	X	X	
Witchgrass	X	X	X	X		X	

<sup>a</sup> Preplant incorporated tank-mixture applications of PURSUIT plus PROWL 3.3EC will suppress the growth of witchgrass, and rhizome johnsongrass.

<sup>b</sup> Preplant incorporated treatments only.

A selective postemergence grass herbicide such as Poast Plus, Bugle<sup>17</sup> or Whip<sup>17</sup> 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. If the postemergence grass herbicide is applied first, wait 3 days before applying PURSUIT. Refer to the respective grass herbicide label for recommended application rate, weed size and restrictions.

<sup>15</sup>Balan and Sonolan are trademarks of Elanco Products Company.

<sup>16</sup>Vernam is a trademark of ICI Americas, Inc.

<sup>17</sup>Bugle and Whip are trademarks 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 24 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 Bravo<sup>18</sup>, Bravo S<sup>18</sup> Orthene<sup>19</sup> or Solubor<sup>20</sup>.

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<sup>18</sup>Bravo and Bravo S are trademarks of Fermenta ASC Corp.

<sup>19</sup>Orthene is a trademark of Valent Chemical Co.

<sup>20</sup>Solubor is a trademark of U.S. Borax & Chemical Corp.

**CROPS**

**RED KIDNEY BEANS - DIRECTIONS FOR USE**

**PURSUIT HERBICIDE USE AREA (RED KIDNEY BEANS)**

(For use in California only)

Apply PURSUIT herbicide when weeds are actively growing and red kidney beans have at least 1 fully expanded trifoliate leaf. DO NOT apply PURSUIT postemergence when the crop and weeds have been subjected to stress conditions such as temperature and moisture extremes.

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.

**USE RATE  
(3 OUNCES PER ACRE)**

Apply PURSUIT at a broadcast rate of 3 ounces per acre postemergence only. At this broadcast rate, one gallon of PURSUIT will treat 42.7 acres of red kidney beans.

DO NOT apply by aerial application

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

Allow at least 60 days between application and harvest.

**WEEDS CONTROLLED**

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

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

Weeds Controlled	POSTEMERGENCE	
	Maximum Leaf Stage	Size (inches)
Cocklebur, common	4	1-4
Kochia	4	1-3
Mustard, wild	2	1-3
Nightshade, black	4	1-3
Eastern black hairy	4	1-3
Pigweed, redroot	4	1-3
Spurge, prostrate	4	1-3
spotted	4	1-3
Sunflower, common	4	1-3

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## ROTATIONAL CROPS

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

1. Anytime
  - Lima beans
  - Southern peas
  - Soybeans
  - Peanuts
  - IMI-Corn (resistant/tolerant to PURSUIT)
2. Four months after PURSUIT application:
  - 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:
  - Alfalfa
  - Cotton
  - Lettuce
  - Oats
  - Popcorn
  - Safflower
  - Sorghum
  - Sweet corn
6. Twenty six months after PURSUIT application.
  - All crops not listed elsewhere in this ROTATIONAL CROP GUIDELINE.
7. Forty months after PURSUIT application.
  - Sugar beets

\* 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.

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**PRECAUTIONS**

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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, peanuts or IMI-Corn 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.

PURSUIT applications should be made before soybean bloom.

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.

Except where stated on a Supplemental Label or in this label, DO NOT apply to soybeans products containing chlorimuron ethyl (Classic<sup>21</sup>, Canopy<sup>21</sup>, Gemini<sup>21</sup>, Lorox Plus<sup>21</sup>, Preview<sup>21</sup>, etc.) imazaquin (SCEPTER<sup>®</sup>, SQUADRON<sup>®</sup>, TRI-SCEPT<sup>®</sup>, SCEPTER<sup>®</sup> O.T.<sup>®</sup>, SCEPTER<sup>®</sup> 70DG) or products containing imazethapyr (PURSUIT<sup>®</sup> DG, PURSUIT<sup>®</sup> PLUS, PASSPORT<sup>®</sup>) 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<sup>®</sup> PLUS or PASSPORT<sup>®</sup> to peanuts the same year as PURSUIT.

DO NOT tank-mix PURSUIT with clomazone containing herbicides (Command<sup>22</sup> or Commence<sup>22</sup>). PURSUIT may be applied postemergence following a soil application of Command or Commence.

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<sup>21</sup>Classic, Canopy, Gemini, Lorox Plus and Preview are trademarks of E. I. duPont de Nemours and Company.

<sup>22</sup>Command and Commence are trademarks of FMC Corporation.

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

For additional information regarding the use of PURSUIT herbicide, call telephone no. 800-942-0560.

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