

2022-0975  
2022-03-04

Container

GROUP	2	HERBICIDE
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**Pursuit**<sup>®</sup>  
*herbicide*

FOR SOYBEANS

AGRICULTURAL

(NOT FOR USE IN PRAIRIE PROVINCES)

SOLUTION

ACTIVE INGREDIENT: imazethapyr ... 240 g/L

REGISTRATION NO. 26287      PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1.26 Litres

IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT

1-800-454-2673

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

BASF Canada Inc.  
5025 Creekbank Road  
Building A, 2<sup>nd</sup> Floor  
Mississauga, Ontario L4W 0B6

1-877-371-2273

PURSUIT is a registered trade-mark of BASF Agrochemical Products, B.V., used with permission by BASF Canada Inc.

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## **PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN.

MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN.

DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID BREATHING VAPOUR OR SPRAY MIST.

May cause eye damage.

May cause skin irritation.

Use with adequate ventilation.

Wear dust and/or splash-proof goggles or face shield and chemically resistant gloves when mixing, loading and during application, clean-up and repair.

Wear long-sleeved shirt and long-legged pants when handling.

Do not eat, drink or smoke when using.

Wash hands and face before eating, drinking, smoking and using the toilet.

Take a shower immediately after work.

Store and wash all protective clothing separately from normal laundry.

Clean protective equipment (gloves, goggles, face shield) upon removal with soapy water.

Wash in detergent and hot water before reuse.

Wear freshly laundered clothes daily.

Do not enter or allow entry into treated areas during the restricted-entry interval of 12 hours.

DO NOT APPLY BY AIR.

## **ENVIRONMENTAL HAZARDS**

TOXIC to non-target terrestrial and aquatic plants. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil or clay.

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Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

## **FIRST AID**

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## **TOXICOLOGICAL INFORMATION**

Treat symptomatically.

## **STORAGE**

Keep from freezing. DO NOT store below 0°C. If the product is exposed to temperatures below 0°C during shipment or storage, make sure the product has thawed completely, and shake the container vigorously.

## **DISPOSAL**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.

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2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

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Booklet

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Take a shower immediately after work.

Store and wash all protective clothing separately from normal laundry.

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## DIRECTIONS FOR USE

### CROP: SOYBEANS

#### GENERAL

PURSUIT is a selective herbicide that can be applied as a post-emergence treatment in soybeans. Absorption may occur through both the roots and foliage of susceptible weeds which stop growing and eventually die.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

Apply only when the potential for drift to areas of human habitation or areas of human activity (houses, cottages, schools and recreational areas) is minimal. Take into consideration wind speed, wind direction, temperature inversion, application equipment and sprayer settings.

#### Field Sprayer Application

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. Boom height must be 60 cm or less above the crop or ground.

**DO NOT** apply by air.

#### Buffer Zones

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:	
		Freshwater Habitat	Terrestrial Habitat
Field sprayer	Soybeans	1	1

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

### **ROTATIONAL CROPS**

Only soybeans, kidney beans, cranberry, Dutch brown, black, yellow eye, white beans, adzuki beans, field corn, imazethapyr tolerant corn, imazethapyr tolerant canola, processing peas, spring barley, spring wheat and winter wheat may be planted the season following a PURSUIT herbicide application. Winter wheat may be grown the same season as a PURSUIT herbicide application to soybeans but not earlier than 100 days after the application. Conduct a field bioassay (a test strip grown to maturity) the year BEFORE growing any other crop.

**RATE:** Apply 312 - 420 mL of product (75 - 100 g active) in 100 to 400 litres of water per hectare.

### **EARLY POST-EMERGENCE APPLICATION**

Early post-emergence applications of PURSUIT herbicide may be applied after the crop has emerged and before the weeds reach the 2 true leaf stage. **Addition of a non-ionic surfactant (AGRAL® 90 or AGSURF®) plus liquid fertilizer is essential for post-emergence application, improving uptake of the product by weeds resulting in improved herbicidal activity.** Application to a crop under stress should be avoided. Stunting of the crop may result following post-emergence application. This condition is the result of stem internode shortening but will not result in yield reduction.

### **BROADLEAF WEED AND GRASS CONTROL**

PURSUIT herbicide, by early post-emergence application BEFORE the weeds reach the 2 true leaf stage, will control:

<u>Broadleaf Weeds:</u>	redroot pigweed	<u>Grasses:</u>	green foxtail
	velvetleaf*		yellow foxtail
	wild mustard		old witchgrass
	cocklebur**/**		barnyard grass**
	eastern black nightshade		
	ragweed**		
	wild buckwheat		

In addition, PURSUIT herbicide provides partial control of and reduces competition from:

<u>Broadleaf Weeds:</u>	lamb's-quarters	<u>Grasses:</u>	proso millet
			large crabgrass
<u>Perennial Weed:</u>	yellow nutsedge		

\* Some plants of cocklebur and velvetleaf which germinate deeper in the soil and emerge late may escape treatment.

\*\* The higher label rate is recommended for fields with a history of heavy infestations of these weed species.

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**NOTE: For post-emergence applications a NONIONIC SURFACTANT (AGRAL 90 or AGSURF) at the rate of 0.25% (v/v) MUST BE ADDED to the spray solution (e.g. 2.5 L of surfactant per 1000 L of spray solution). Fertilizer solutions, 10-34-0, 28-0-0 or 32-0-0 MUST BE ADDED to the spray solution at the rate of 2 L/ha to provide quicker burndown of weeds.**

### **EARLY POST-EMERGENCE TANKMIXING FOR BROAD SPECTRUM WEED CONTROL**

For fields which contain heavy infestations of ragweed, velvetleaf, barnyard grass or weeds other than those listed under PURSUIT herbicide alone, tankmixing may be required to provide broad spectrum weed control.

PURSUIT herbicide may be tankmixed with either BASAGRAN® or BASAGRAN FORTE to provide a broader spectrum of weed control. Follow rates, recommendations, precautions and restrictions on the BASAGRAN and BASAGRAN FORTE labels.

**NOTE: For PURSUIT herbicide plus BASAGRAN herbicide, a NON-IONIC SURFACTANT at the rate of 0.25% (v/v) and fertilizer solution (10-34-0, 28-0-0 or 32-0-0) at the rate of 2 L/ha MUST BE ADDED to the spray solution. For PURSUIT herbicide plus BASAGRAN FORTE herbicide only fertilizer solution must be added at the rate of 2 L/ha.**

### **MIXING INSTRUCTIONS**

Fill the tank one-half to three-quarters full with water and start agitation. Add the required amount of 28-0-0, 10-34-0, or 32-0-0 to the spray solution. Using a calibrated measuring device, add the required amount of PURSUIT herbicide while the solution remains agitating. Using a separate calibrated measuring device, add the required amount of BASAGRAN or BASAGRAN FORTE herbicide and make sure it is thoroughly mixed. Continue agitation while adding the required amount of non-ionic surfactant (for PURSUIT herbicide + BASAGRAN herbicide ONLY). Continue agitation while filling the remainder of the tank with water.

### **LATE POST-EMERGENCE APPLICATION**

PURSUIT herbicide may be applied late post-emergence for control of certain weed species up to the growth stages indicated below. To minimize weed competition with the crop, application should be made as early as possible after weed emergence. Avoid applications when weeds and/or crop are under growth stress.

Addition of a non-ionic surfactant and liquid fertilizer is critical for post-emergence application, see instructions for tankmixing. Stunting of the crop may result following post-emergence application. This condition is the result of stem internode shortening but will not result in yield reduction.

## BROADLEAF WEED AND GRASS CONTROL

PURSUIT herbicide by late post-emergence application will control:

<u>GRASS Weeds</u>	<u>Weed Species</u>	<u>Maximum Growth Stage</u>
	green foxtail	4 leaf
	yellow foxtail	4 leaf
	barnyard grass	6 leaf

<u>BROADLEAF Weeds</u>	<u>Weed Species</u>	<u>Maximum Growth Stage</u>
	redroot pigweed	12 leaf
	velvetleaf	8 leaf

### LATE POST-EMERGENCE TANKMIXING FOR BROAD SPECTRUM WEED CONTROL

For broadleaf weeds other than those listed for PURSUIT herbicide alone, tankmix with BASAGRAN or BASAGRAN FORTE herbicide. Follow rate, recommendations, precautions and restrictions on the BASAGRAN or BASAGRAN FORTE herbicide label. Tankmix product and rate will depend on the specific weeds to be controlled.

\* Use the high rate of (100 g ae/ha) 168 mL product/acre when PURSUIT herbicide is used alone. Use the (75 g ae/ha) 126 mL when tankmixed with BASAGRAN or BASAGRAN FORTE herbicide.

**NOTE:** For PURSUIT herbicide and PURSUIT herbicide plus BASAGRAN herbicide, a **NON-IONIC SURFACTANT** at the rate of **0.25% (v/v)** and fertilizer solution (**10-34-0, 28-0-0 or 6-24-6**) at the rate of **2 L/ha MUST BE ADDED** to the spray solution. For PURSUIT herbicide plus BASAGRAN FORTE herbicide only fertilizer solution must be added at the rate of **2 L/ha**.

### MIXING INSTRUCTIONS: LATE POST-EMERGENCE APPLICATIONS

Fill the spray tank one-half to three-quarters full with water and start agitation. Add the required amount of 28-0-0, 10-34-0, or 6-24-6 to the spray solution. Using a calibrated measuring device, add the required amount of PURSUIT herbicide while the solution remains agitating. Using a separate calibrated measuring device, add the required amount of BASAGRAN or BASAGRAN FORTE herbicide and make sure it is thoroughly mixed. Continue agitation while adding the required amount of non-ionic surfactant (for PURSUIT herbicide + BASAGRAN herbicide ONLY). Continue agitation while filling the remainder of the tank with water.

### WARNINGS

ONLY soybeans, kidney beans, cranberry, Dutch brown, black, yellow eye, white beans, adzuki beans, field corn, imazethapyr tolerant corn, imazethapyr tolerant canola, processing peas, spring barley, spring wheat and winter wheat may be planted the season following a PURSUIT

herbicide application. Winter wheat should not be planted within 100 days of the last PURSUIT herbicide application. Conduct a field bioassay (a test strip grown to maturity) the year BEFORE growing any other crop.

DO NOT overapply PURSUIT herbicide. Over application may result in injury particularly if the crop is under stress.

An interval of 100 days should follow the last PURSUIT herbicide application before soybean harvest.

CAUTION: Do not graze treated crops or cut for hay; sufficient data are not available to support such use.

DO NOT let spray drift contaminate crops other than those being sprayed.

ONLY ONE (1) application of PURSUIT herbicide may be made during the season.

In cases of crop failure, only soybeans, kidney beans, cranberry, Dutch brown, black, yellow eye, white beans, adzuki beans, imazethapyr tolerant canola, imazethapyr tolerant corn, processing peas and winter wheat (100 days after application) may be re-planted in the year of application. Soil preparation for re-planting should be no deeper than 10 cm.

DO NOT apply PURSUIT herbicide when crop is under stress conditions because crop injury may result.

PURSUIT herbicide may cause stunting of soybeans. This condition is the result of stem internode shortening and does not cause yield reductions if PURSUIT herbicide has been used at label rates and following label recommendations.

## **RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management, PURSUIT is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to PURSUIT and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of PURSUIT or other Group 2 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.

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- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact BASF at 1-877-371-2273.

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