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2012-02-17



COMMERCIAL (AGRICULTURAL)
(NOT FOR USE IN PRAIRIE PROVINCES)
SOLUTION

G **WARRANTY:** Imazethapyr 240 g/L

REGISTRATION NO. 21537 **PEST CONTROL PRODUCTS ACT**

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673

NET CONTENTS: 0.5 – 150 Litres

BASF Canada Inc.
100 Milverton Drive,
5th Floor
Mississauga, Ontario
L5R 4H1
1-877-371-2273

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DIRECTIONS FOR USE

GENERAL INFORMATION

PURSUIT herbicide is a selective herbicide that can be applied as an early pre-plant, pre-plant incorporated, pre-emergent or post-emergent treatment in various crops. The application method depends upon the crop, anticipated weed spectrum and the preference of the applicator. With early pre-plant and pre-emergent treatments, susceptible weeds emerge, are present as stunted plants and then die. When PURSUIT herbicide is applied post-emergence, absorption may occur through both the roots and foliage. Susceptible weeds stop growing and eventually die.

Use PURSUIT herbicide at 312 mL (75 g active) – 420 mL (100 g active) per hectare. For post-emergent application to glyphosate tolerant soybeans, 210 mL (50 g active) – 312 mL (75 g active) per hectare may be applied in tankmix with glyphosate. See appropriate rate tables for specific application rates for each crop.

REGISTERED CROPS

Adzuki Beans
Alfalfa Grown for Seed Production
Dry Common Beans of the species *Phaseolus vulgaris*^{1, 2}
Imazethapyr Tolerant Corn* (CLEARFIELD Brands)
Lima Beans (Ontario only)
Processing Peas
Snap Beans
Snow Peas
Soybeans

¹ Dry common bean varieties may vary in their tolerance to herbicides, including PURSUIT herbicide. Since not all dry common bean varieties have been tested for tolerance to PURSUIT herbicide, first use of PURSUIT herbicide should be limited to a small area of each variety to confirm tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific varieties of dry common beans to PURSUIT herbicide.

² Including, but not limited to: kidney, cranberry, yellow eye, Dutch brown, black and white beans.

MOISTURE REQUIREMENTS

As with most soil-applied herbicides, pre-emergent applications of PURSUIT herbicide require moisture for activation. Soil-applied PURSUIT herbicide requires sufficient water within 7 days of application to moisten the soil to a depth of 5 cm for activation. If adequate moisture is not received within 7 to 10 days of application, perform a shallow inter-row cultivation 5-8 cm deep using a roller or S-tine cultivator to control escaped weeds until the field receives adequate moisture. For early pre-plant applications (soybeans only), more than 7-10 days may elapse before the receipt of adequate precipitation to activate the herbicide and reduce the risk of weed escapes. Growers preferring surface applications of herbicides may choose this type of application of PURSUIT herbicide.

PLANT BACK RESTRICTIONS AND ROTATIONAL CROPS

In cases of crop failure, replant only soybeans, all types of dry common beans of the species *Phaseolus vulgaris*, lima beans, adzuki beans, imazethapyr tolerant corn, and processing peas in the year of application. Winter wheat may also be re-planted in cases of crop failure or as a rotational crop 100 days following a PURSUIT herbicide application. Soil preparation for re-planting should be no deeper than 10 cm.

Field corn, imazethapyr tolerant corn, soybeans, winter wheat, spring wheat, spring barley, all types of dry common beans of the species *Phaseolus vulgaris*, lima beans, adzuki beans, and processing peas may be planted the season following a PURSUIT herbicide application. Conduct a field bioassay (a test strip grown to maturity) the year BEFORE growing any other crop.

APPLICATION INSTRUCTIONS

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	All crops	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.

Surface Runoff

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.

CROP: SOY BEANS

Apply PURSUIT herbicide as an early pre-plant, pre-plant incorporated, pre-emergent or post-emergent treatment in soybeans.

For fields that contain weeds other than those listed in the “Weed Control in Soybeans: PURSUIT Herbicide Alone” table, tank mix for broad-spectrum weed control (see “Herbicide Tank Mix Options – Soybeans”). The choice of product for tank mixing will depend on the specific weed(s) to be controlled. Consult the labels of the tank mix products to determine which product will provide control of the specific weeds present in the field.

Weed Control in Soybeans: PURSUIT Herbicide Alone

Weeds	Application Timing					
	Early Pre-plant (prior to weed emergence)	Early Pre-plant (emerged weeds prior to 2 true leaf stage)	Pre-plant Incorporated	Pre-Emergent	Early Post-Emergent (before weeds reach 2 true leaf stage)	Late Post-Emergent (maximum leaf stage in parenthesis)
Broadleaf Weeds						
lamb's-quarters	C	PC	C ² C		PC	
redroot pigweed	C	C	C	C	C	C (12)
smartweed				C		
lady's-thumb				C ³		
wild mustard	C	C	C	C	C	
velvetleaf	¹	C ¹	C ¹	C ¹	C ¹ C	(8)
ragweed, common	C	PC	PC ²	C ³	C ⁴	
Ragweed, giant					PC ⁵ PC	(10)
Eastern black nightshade	PC C		C	C	C	
wild buckwheat		PC			C	
cocklebur		C ¹			C ^{1, 4}	
Grasses						
foxtail, green and yellow	C	C	C	C	C	C (4)
barnyard grass	C	PC	PC ²	C ³	C ⁴ C	(6)
old witchgrass	C			C ³ C		
proso millet	PC	PC	PC	PC	PC	
crabgrass, large					PC	
Perennials						
yellow nutsedge					PC	

C = Control PC = Partial Control and Reduces Competition

¹ Some plants of velvetleaf and/or cocklebur that germinate deeper in the soil and emerge late may escape treatment.

² Tank mixing is recommended for fields with a history of heavy infestations of this weed species.

³ The higher label rate or tank mixing is recommended for fields with a history of heavy infestations of this weed species.

⁴ The higher label rate is required for heavy infestations of this weed species.

⁵ The higher label rate is required.

Herbicide Tank Mix Options - Soybeans

Tank Mix Option	Application Timing			
	Early Pre-plant	Pre-plant Incorporated	Pre-emergent	Early and Late Post-emergent
Gramoxone® X	¹			
Roundup® ⁴ or Glyphos® or Touchdown® iQ™ or Credit® Plus or Vantage™ Plus MAX	X ¹			X ^{1,3}
Roundup + FirstRate®	X ²			
Sencor® X	¹	X ^{1,2}	X ¹	
Lexone®		X ^{1,2}	X ¹	
Treflan™ EC / Rival® / Trifluralin® or Edge®		X ¹		
Lorox® / Afolan® / Linuron®			X ¹	
Liberty® 200SN Herbicide				X ^{2,5}
Basagran® / Basagran® Forte				X ^{1,2}

- ¹ Refer to the label of the specific tank mix product for information regarding rates, recommendations, precautions and restrictions.
- ² Refer to Tank Mix Options under the appropriate Application Timing in this label.
- ³ Glyphosate Tolerant Soybeans only (i.e., varieties with the Roundup Ready®). Refer to CROP: GLYPHOSATE TOLERANT gene SOYBEANS section.
- ⁴ Roundup Original Liquid Herbicide, Roundup Transorb® Liquid Herbicide, Roundup WeatherMAX® with Transorb 2 Technology Liquid Herbicide or Roundup Ultra Liquid Herbicide.
- ⁵ For use on soybean varieties that are specially developed to be tolerant to glufosinate ammonium (e.g. LibertyLink® seeds).

Timing	<p>Early Pre-plant Application - Soybeans Apply PURSUIT herbicide up to 30 days before planting in conventional, reduced tillage or no-till soybeans. PURSUIT herbicide alone may be applied as a surface application using this technique.</p> <p>Only one additional working of the soil to prepare the seedbed is recommended following the application. This final seedbed preparation should not work the soil deeper than 10 cm. Deeper tillage will result in reduced concentration of herbicide in the weed germination zone and reduction in weed control. DO NOT plow following the application.</p>	
Rate	Early Pre-plant – Prior to Weed Emergence	420 mL/ha
	Early Pre-plant – to Emerged Weeds (before the weeds reach the 2 true leaf stage).	420 mL/ha + non-ionic surfactant. Non-ionic surfactant MUST BE ADDED. Liquid fertilizer added to the spray solution will provide quicker burndown of weeds.
Water Volume	100-400 L/ha	
Surfactant/ Adjuvant	For Early Pre-plant – to Emerged Weeds: Non-ionic surfactant – 0.25% v/v (e.g. 2.5 L/1000 L of spray solution) Liquid fertilizer solution (10-34-0, 28-0-0 or 32-0-0) - 2 L/ha	
Weeds Controlled	See “Weed Control in Soybeans” table above.	
Remarks	Plant only soybeans during the season of application.	

Tank Mix Options	PURSUIT herbicide may also be tank mixed with the herbicides listed in the “Herbicide Tank Mix Options – Soybeans” table. Always follow the most conservative rates, recommendations, precautions and restrictions on the tank mix labels.	
	For the combined tank mix with ROUNDUP and FIRSTRATE, use the following:	
	Rates	PURSUIT – 312 mL/ha ROUNDUP – 2.5 L/ha (0.900 kg ai/ha) FIRSTRATE – 21 g/ha (0.0175 kg ai/ha)
	Water Volume	100-400 L/ha
<p>Comments: This tank mix provides control of emerged weeds found on the ROUNDUP herbicide label and residual control of germinating weeds found on the PURSUIT herbicide and FIRSTRATE herbicide labels. Temporary crop injury may occur, however, yield will not normally be affected. Avoid sprayer overlap. Severe crop injury will occur.</p>		

Timing	Pre-plant Incorporated Application - Soybeans Incorporate PURSUIT herbicide evenly throughout the top 5 cm of the soil profile. Incorporation may be achieved with a double pass using discs or cultivator operated at 8 to 12 kph with the second pass at an angle to the first. Cultivators must have 3 or 4 rows of flexible sweeps staggered and spaced less than 15 cm apart followed by a drag or rolling basket to ensure no soil is left unturned.																	
Rate 312	mL/ha																	
Water Volume	100-400 L/ha																	
Weeds Controlled	See “Weed Control in Soybeans” table above.																	
Remarks	DO NOT apply PURSUIT herbicide as a pre-plant incorporated application more than one year in sequence. Allow at least 24 months between pre-plant incorporated applications.																	
Tank Mix Options	<p>For fields that contain heavy lamb's-quarters, common ragweed and/or barnyard grass infestations or weeds other than those listed under “PURSUIT Herbicide Alone”, tank mixing may be required to provide broad-spectrum weed control (see “Herbicide Tank Mix Options – Soybeans” table). Follow the most conservative rates, recommendations, precautions and restrictions on the tank mix labels.</p> <p>For SENCOR and LEXONE herbicide, refer to the following table for rates:</p> <table border="1"> <thead> <tr> <th rowspan="2">Soil Texture¹</th> <th colspan="3">Application Rate per Hectare</th> </tr> <tr> <th>SENCOR 75 DF</th> <th>SENCOR 480 F</th> <th>LEXONE 75 DF</th> </tr> </thead> <tbody> <tr> <td>Medium (loam, silt loam, silt, sandy clay, sandy clay loam)</td> <td>750 g</td> <td>1.1 L</td> <td>540 g</td> </tr> <tr> <td>Heavy (silty clay, silty clay loam, clay and clay loam)</td> <td>750 g</td> <td>1.1 L</td> <td>640 g</td> </tr> </tbody> </table> <p>¹ Do not use on light (loam y sand, sandy loam) textured soils. Do not use on soil with less than 2% organic matter.</p>			Soil Texture ¹	Application Rate per Hectare			SENCOR 75 DF	SENCOR 480 F	LEXONE 75 DF	Medium (loam, silt loam, silt, sandy clay, sandy clay loam)	750 g	1.1 L	540 g	Heavy (silty clay, silty clay loam, clay and clay loam)	750 g	1.1 L	640 g
Soil Texture ¹	Application Rate per Hectare																	
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Heavy (silty clay, silty clay loam, clay and clay loam)	750 g	1.1 L	640 g															

Timing	Pre-emergent Application - Soybeans Pre-emergent applications of PURSUIT herbicide may be applied before the crop and weeds emerge.
Rate	312 - 420 mL/ha
Water Volume	100-400 L/ha
Weeds Controlled	See "Weed Control in Soybeans" table above.
Tank Mix Options	For fields that contain heavy infestations of common ragweed, old witchgrass, barnyard grass, lady's-thumb or weeds other than those listed under "PURSUIT Herbicide Alone", tank mixing may be required to provide broad-spectrum weed control (see "Herbicide Tank Mix Options – Soybeans" table). Follow the most conservative rates, recommendations, precautions and restrictions on the tank mix labels.

Timing	Early and Late Post-emergent Application - Soybeans Apply PURSUIT herbicide early post-emergent after the crop has emerged and before the weeds reach the 2 true leaf stage. PURSUIT herbicide may also be applied late post-emergent after the crop has emerged for control of certain weed species up to the growth stages indicated in the "Weed Control in Soybeans: PURSUIT Herbicide Alone" table. To minimize weed competition with the crop, application should be made as early as possible after weed emergence.	
Rate	Early Post-emergent – (before the weeds reach the 2 true leaf stage)	312-420 mL/ha + non-ionic surfactant + liquid fertilizer
	Late Post-emergent	420 mL/ha + non-ionic surfactant + liquid fertilizer
Water Volume	100-400 L/ha	
Surfactant/ Adjuvant	Non-ionic surfactant – 0.25% v/v (e.g. 2.5 L/1000 L of spray solution) Liquid fertilizer solution (10-34-0, 28-0-0 or 32-0-0) - 2 L/ha	
Weeds Controlled	See "Weed Control in Soybeans" table above.	
Remarks	Addition to the spray solution of a non-ionic surfactant plus liquid fertilizer is essential for post-emergent application, improving uptake of the product by weeds resulting in improved herbicidal activity. Avoid applications when weeds and/or crop are under growth stress. 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.	

Tank Mix Options	<p>PURSUIT herbicide may also be tank mixed with the herbicides listed in the “Herbicide Tank Mix Options – Soybeans” table. Always follow the most conservative rates, recommendations, precautions and restrictions on the tank mix labels.</p> <p>Comments: Use the 312 mL/ha rate of PURSUIT herbicide when tank mixed with Basagran or Basagran Forte herbicide.</p> <p>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.</p> <p>For PURSUIT herbicide plus BASAGRAN FORTE herbicide, only fertilizer solution MUST BE ADDED at the rate of 2 L/ha.</p>
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**CROP: GLYPHOSATE TOLERANT SOYBEANS
(i.e., varieties with the Roundup Ready® gene)**

Timing	<p>Post-emergent Application For broadleaf and grass weeds other than those listed in “Weed Control in Soybeans: PURSUIT Herbicide Alone” table, PURSUIT herbicide may be tank mixed with Roundup¹, Glyphos, Touchdown iQ, Credit Plus or Vantage Plus MAX herbicide (glyphosate) and applied to Roundup Ready soybeans.</p> <p>Follow the rates, application timings, recommendations, precautions and restrictions on the glyphosate label. Refer to the glyphosate label for adjuvant recommendations.</p> <p>¹ Roundup Original Liquid Herbicide, Roundup Transorb Liquid Herbicide, Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide or Roundup Ultra Liquid Herbicide</p>
PURSUIT Rate	312 mL/ha
Water Volume	100-400 L/ha
Alternative PURSUIT Rate	<p>PURSUIT Herbicide at 160 - 210 mL/ha Tankmixing PURSUIT herbicide at 160 - 210 mL/ha with glyphosate will provide residual control of late germinating eastern black night shade, common lamb's quarters, redroot pigweed, velvetleaf, fall panicum and wild proso millet. Use 900 g a.e./ha of glyphosate¹ and apply up to and including the 3rd trifoliate leaf stage of Roundup Ready soybeans in 100-200 litres per hectare of clean water. Use higher rate for heavier infestations.</p> <p>Consult the glyphosate label for weeds controlled by glyphosate, as well as for further recommendations, precautions and restrictions.</p> <p>¹ 900 g a.e. glyphosate/ha is equivalent to 2.5 L/ha of Roundup Original Liquid Herbicide, Roundup Transorb Liquid Herbicide, Glyphos Soluble Concentrate Herbicide, Touchdown iQ Liquid Herbicide or Credit Plus Liquid Herbicide, or 1.67 L/ha of Roundup WeatherMax with Transorb 2 Technology Liquid Herbicide or Roundup Ultra Liquid Herbicide, or 1.88 L/ha of Vantage Plus MAX Herbicide Solution.</p>
Remarks	<p>WARNING Apply PURSUIT herbicide + glyphosate herbicide tank mix ONLY to glyphosate tolerant soybeans, i.e. varieties with the Roundup Ready® gene. SOYBEANS WHICH ARE NOT DESIGNATED AS GLYPHOSATE TOLERANT WILL BE DAMAGED OR DESTROYED BY THIS TREATMENT.</p>

**CROP: GLUFOSINATE AMMONIUM TOLERANT (LIBERTYLINK®) SOYBEANS
(British Columbia and Eastern Canada Only)**

Timing	<p>Post-emergent Application For control of broadleaf and grass weeds other than those listed in the “Weed Control in Soybeans: PURSUIT Herbicide Alone” table, PURSUIT herbicide may be tank mixed with Liberty 200S N herbicide and applied to glufosinate ammonium tolerant (LibertyLink) soybeans from the cotyledon to the flowering stage of the crop.</p> <p>Consult the Liberty 200S N herbicide label for the recommended leaf stage of weeds at application for best weed control.</p>
Rates	<p>312 mL/ha PURSUIT herbicide + 1.5 - 2.5 L/ha Liberty 200SN herbicide</p> <p>Tank mix PURSUIT herbicide with the appropriate rate of Liberty 200SN herbicide for the targeted weed species. Refer to the Liberty 200SN herbicide label for rates, weed species controlled, further recommendations, precautions and restrictions.</p>
Water Volume	Minimum of 110 L/ha
Remarks	<p>WARNING Apply PURSUIT herbicide plus Liberty 200SN herbicide tank mix ONLY to glufosinate ammonium tolerant soybeans (e.g. LibertyLink seeds). Application of Liberty 200SN herbicide to non-tolerant soybeans will result in severe crop injury or death of the crop.</p>

CROP: EDIBLE BEANS (including dry common beans of the species *Phaseolus vulgaris*^{1,2}, lima beans (Ontario only) and adzuki beans)

Apply PURSUIT herbicide as a pre-emergent treatment in lima beans (Ontario only), dry common beans of the species *Phaseolus vulgaris* and adzuki beans, and as a pre-plant incorporated treatment in dry common beans of the species *Phaseolus vulgaris* and adzuki beans.

¹ Dry common bean varieties may vary in their tolerance to herbicides, including PURSUIT herbicide. Since not all dry common bean varieties have been tested for tolerance to PURSUIT herbicide, first use of PURSUIT herbicide should be limited to a small area of each variety to confirm tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific varieties of dry common beans to PURSUIT herbicide.

² Including, but not limited to: kidney, cranberry, yellow eye, Dutch brown, black and white beans.

Weed Control in Edible Beans: PURSUIT Herbicide Alone

Weeds	Application Timing	
	Pre-emergent Pre-plan	Post Incorporated (dry common beans of the species <i>Phaseolus vulgaris</i> and adzuki beans only)
Broadleaf Weeds		
lamb's-quarters C		C
redroot pigweed	C	C
smartweed C		C
lady's-thumb C		C
wild mustard	C	C
velvetleaf C	¹	C ¹
ragweed, common	PC	PC
Eastern black nightshade	C	C
Grasses		
foxtail, green and yellow	C	C
proso millet	PC	PC

C = Control PC = Partial Control and Reduced Competition

¹ Some plants of velvetleaf that germinate deeper in the soil and emerge late may escape treatment.

Timing	Pre-emergent Application – Edible Beans
Rate 312	mL/ha
Water Volume	100-400 L/ha
Weeds Controlled	See “Weed Control in Edible Beans” table above.
Tank Mix Options	For fields that contain heavy infestations of broadleaf weeds other than those listed under “PURSUIT Herbicide Alone”, tank mixing may be required to provide broad-spectrum weed control. Cranberry and Kidney Beans Tank mix PURSUIT herbicide with 1.15 – 1.75 L/ha (1.05-1.60 kg ai/ha) of DUAL® MAGNUM herbicide to control labelled broadleaf weeds and grasses in cranberry beans and kidney beans. Refer to the DUAL MAGNUM herbicide label for additional recommendations, precautions and restrictions not specified on this label.

Timing	Pre-plant Incorporated Application (dry common beans of the species <i>Phaseolus vulgaris</i> and adzuki beans only)
Rate 312	mL/ha
Water Volume	100-400 L/ha
Weeds Controlled	See “Weed Control in Edible Beans” table above.

Tank Mix Options	<p>White Beans Tank mix PURSUIT herbicide with 1.25 -2.4 L/ha of TREFLAN EC herbicide to control a broader spectrum of weeds in white beans only. Follow recommendations, precautions and restrictions on the TREFLAN EC herbicide label. Consult the tank mix partner label for weeds controlled other than those listed for PURSUIT herbicide alone.</p> <p>Dry Common Beans of the Species <i>Phaseolus vulgaris</i>^{1,2} Tank mix PURSUIT herbicide with 1.15 – 1.75 L/ha (1.05 - 1.60 kg ai/ha) of DUAL® Magnum/DUAL II Magnum herbicide to control labelled broadleaf weeds and grasses in dry common beans. Refer to the DUAL Magnum/DUAL II Magnum herbicide label for additional recommendations, precautions and restrictions not specified on this label. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.</p> <p>¹ NOTE: Dry common bean varieties may vary in their tolerance to herbicides, including the tankmix of PURSUIT plus DUAL Magnum/DUAL II Magnum. Since not all dry common bean varieties have been tested for tolerance to the tankmix of PURSUIT plus DUAL Magnum/DUAL II Magnum, first use of this tankmix should be limited to a small area of each variety to confirm tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific varieties of dry common beans to the tankmix of PURSUIT plus DUAL Magnum/DUAL II Magnum.</p> <p>² CAUTION: Beans should be seeded at least 4 cm deep or crop injury may result.</p>
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CROP: IMAZETHAPYR TOLERANT CORN* (i.e., CLEARFIELD® BRANDS)

Apply PURSUIT herbicide as a pre-plant incorporated, pre-emergent or early post-emergent treatment on imazethapyr tolerant corn.

Tank mixing may be required to provide broad-spectrum weed control for fields that contain weeds other than those listed in the “Weed Control in Imazethapyr Tolerant Corn: PURSUIT Herbicide Alone” table below. Selection of product for tank mixing will depend on the specific weed(s) that are to be controlled. Consult the labels of the tank mix products to determine which will provide control of the specific weeds present in the field.

Weed Control in Imazethapyr Tolerant Corn: PURSUIT Herbicide Alone

Weeds	Application Timing		
	Pre-plant Incorporated	Pre-emergent Earl	y Post-emergent
Broadleaf Weeds			
lamb’s-quarters C	² PC		PC
redroot pigweed	C	C	C
velvetleaf C	¹	C ^{1,2}	C ^{1,2}
Eastern black nightshade	C	C	C
Grasses			
foxtail, green and yellow	C	PC	C
barnyard grass	PC	C	C ²

C = Control PC = Partial Control and Reduced Competition

¹ Some plants of velvetleaf that germinate deeper in the soil and emerge late may escape treatment.

² Tank mixing is required for fields with a history of heavy infestations of this weed species.

Timing	Pre-plant Incorporated Application – Imazethapyr Tolerant Corn Incorporate PURSUIT herbicide evenly throughout the top 5 cm of the soil profile. Incorporation may be achieved with a double pass using discs or cultivator operated at 8 to 12 kph with the second pass at an angle to the first. Cultivators must have 3 or 4 rows of flexible sweeps staggered and spaced less than 15 cm apart followed by a drag or rolling basket to ensure no soil is left unturned.
Rate	312 mL/ha
Water Volume	100-400 L/ha
Weeds Controlled	See “Weed Control in Imazethapyr Tolerant Corn” table above.
Remarks	DO NOT apply PURSUIT herbicide as a pre-plant incorporated application more than one year in sequence. Allow at least 24 months between pre-plant incorporated applications.
Tank Mix Options	Tank mix PURSUIT herbicide with either atrazine or DUAL® herbicide to provide a broader spectrum of weed control. Follow rates, recommendations, precautions and restrictions on the atrazine or DUAL herbicide label.

Timing	Pre-emergent Application – Imazethapyr Tolerant Corn Pre-emergent applications of PURSUIT herbicide may be applied before the crop and weeds emerge.
Rate	312 mL/ha
Water Volume	100-400 L/ha
Weeds Controlled	See “Weed Control in Imazethapyr Tolerant Corn” table above.
Tank Mix Options	Tank mix PURSUIT herbicide with either PROWL®, BANVEL® or atrazine herbicide to provide a broader spectrum of weed control. Follow rates, recommendations, precautions and restrictions on the PROWL, BANVEL or atrazine herbicide label.

Timing	Early Post-emergent Application – Imazethapyr Tolerant Corn Apply PURSUIT herbicide before or after the crop has emerged and before the weeds reach the 2 true leaf stage.
Rate	312 mL/ha + non-ionic surfactant + liquid fertilizer
Water Volume	100-400 L/ha
Surfactant/ Adjuvant	Non-ionic surfactant – 0.25% v/v (e.g. 2.5 L/1000 L of spray solution) Liquid fertilizer solution (10-34-0, 28-0-0 or 32-0-0) - 2 L/ha
Weeds Controlled	See “Weed Control in Imazethapyr Tolerant Corn” table above.
Remarks	Addition to the spray solution of a non-ionic surfactant plus liquid fertilizer is essential for post-emergent application, improving uptake of the product by weeds resulting in improved herbicidal activity.
Tank Mixing	Tank mix PURSUIT herbicide with either PROWL, atrazine, BANVEL or MARKSMAN® herbicide to provide a broader spectrum of weed control. Follow rates, recommendations, precautions and restrictions on the PROWL, atrazine, BANVEL or MARKSMAN herbicide label.

CROP: PROCESSING PEAS

Timing	Pre-emergent or Pre-plant Incorporated Application
Rate	312 mL/ha
Water Volume	200 L/ha
Weeds Controlled	Weeds found in the "PURSUIT Herbicide Alone: Weed Control in Soybeans" table.

CROP: SNOW PEAS

Timing	Pre-emergent or Pre-plant Incorporated Application
Rate	312 mL/ha
Water Volume	100-400 L/ha
Weeds Controlled	Weeds found in the "PURSUIT Herbicide Alone: Weed Control in Soybeans" table.

CROP: SNAP BEANS

Timing	Pre-emergent Application
Rate	312 mL/ha
Water Volume	200 L/ha
Weeds Controlled	Weeds found in the "PURSUIT Herbicide Alone: Weed Control in Soybeans" table.

CROP: ALFALFA GROWN FOR SEED PRODUCTION

Timing	Post-emergent Application Apply early post-emergent when weeds are less than 7.5 cm (3 in.) tall. Apply only after the crop has one fully developed trifoliate leaf.
Rate	312 – 420 mL/ha
Water Volume	200 L/ha
Surfactant/Adjuvant	A non-ionic surfactant 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.
Weeds Controlled	Weeds found in the "PURSUIT Herbicide Alone: Weed Control in Soybeans" table.

MIXING INSTRUCTIONS

1. Ensure the spray tank is clean before use. Follow the clean-out recommendations stated on the label of the product that was previously used.
2. Fill the spray tank one-half full to three-quarters full of water and start agitation.
3. Using a calibrated measuring device, add the required amount of tank mix partner (refer to the tank mixture section of each crop for tank mixtures).
4. Mix thoroughly.
5. Using a separate calibrated measuring device, add the required amount of PURSUIT herbicide to the tank while agitating the spray solution.
6. While the solution remains agitating, add the required amount of non-ionic surfactant if required.
7. If required, add the required amount of liquid fertilizer (28-0-0, 10-34-0 or 32-0-0) to the spray solution.
8. Continue agitation while filling the remainder of the spray tank with water.
9. Clean the spray tank after use.

RESTRICTIONS AND LIMITATIONS

1. DO NOT over apply PURSUIT herbicide. Over application may result in injury particularly if the crop is under stress.
2. Crop Pre-harvest Interval

Crop	Application to Harvest Interval (days)
Soybeans	100
Dry Common Beans of the species <i>Phaseolus vulgaris</i> and Adzuki Beans	100
Imazethapyr Tolerant Corn	100
Lima Beans	90
Processing Peas	50
Snow Peas	60
Snap Beans	40

3. CAUTION: Do not graze treated crops or cut for hay, sufficient data are not available to support such use.
4. DO NOT let spray drift contaminate crops in adjacent fields.
5. ONLY ONE (1) application of PURSUIT herbicide may be made during the season.
6. DO NOT apply PURSUIT herbicide as a pre-plant incorporated application in all crops more than one year in sequence. Allow at least 24 months between pre-plant incorporated applications.

7. Emerged weeds in pre-emergent applications which reach the 2 - 3 true leaf stage might be considered as escapes. Shallow cultivation or application of a post-emergent herbicide is recommended. DO NOT cultivate deeply.
8. DO NOT apply PURSUIT herbicide when crop is under stress conditions because crop injury may result.
9. Post-emergent application of PURSUIT herbicide to soybeans may cause stunting. This condition is the result of stem inter-node shortening and does not cause yield reductions if PURSUIT herbicide has been used at label rates and following label recommendations.
10. PURSUIT herbicide may cause stunting or delayed maturity in white beans and kidney beans. Stunting is the result of stem inter-node shortening and should not cause yield reductions if PURSUIT herbicide has been used at label rates and following label recommendations.
11. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, PURSUIT herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to PURSUIT herbicide 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 herbicide 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 consider tillage (or other mechanical), cultural, biological and other chemical control practices.
- 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.

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. **MAY BE HARMFUL** if swallowed, inhaled or absorbed through the skin.
3. **DO NOT** get in eyes. May cause eye damage.
4. May cause skin irritation. Avoid contact with skin and clothing.
5. **DO NOT** contaminate food or feed products.
6. Avoid breathing vapour or spray mist. Use with adequate ventilation.
7. **DO NOT** eat, drink or smoke when using.
8. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking.
9. Wear long-sleeved shirt, long pants, dust and/or splash-proof goggles or face shield, and chemical resistant gloves during mixing, loading, application, clean-up and repair.
10. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
11. Clean protective equipment (gloves, goggles, face shield) upon removal with soapy water.
12. Clean spray equipment thoroughly after use.
13. Do not enter or allow entry into treated areas during the restricted-entry interval of 12 hours.
14. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

ENVIRONMENTAL HAZARDS

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

STORAGE

1. Store the leftover product in original tightly closed container.
2. Keep product 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.
3. **DO NOT** ship or store the product near food, feed, seed and fertilizers.
4. Store the product in cool, dry, locked, well-ventilated areas without floor drain.

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.
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 disposal of an 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.

FIRST AID

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.

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 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 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.

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

TOXICOLOGICAL INFORMATION

Treat symptomatically.

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. The user assumes the risk to persons or property that arises from any such use of this product.

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® All other products listed are trademarks or registered trademarks of their respective companies.

*Methods of growing plants which are resistant to certain acetohydroxyacid synthase (AHAS) herbicides are protected by Canadian Patent No. 1341465. The use of this product in the practice of patented methods could constitute patent infringement. The purchase of this product conveys no license to the purchaser to practice the patented methods. Further information can be obtained by contacting BASF Canada at 1-877-371-2273.



**COMMERCIAL (AGRICULTURAL)
(NOT FOR USE IN PRAIRIE PROVINCES)
SOLUTION**

G **WARRANTY:** Imazethapyr 240 g/L

REGISTRATION NO. 21537 PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND ATTACHED BROCHURE BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673

NET CONTENTS: 3.3 Litres

BASF Canada Inc.
100 Milverton Drive
5th Floor
Mississauga, Ontario
L5R 4H1
1-877-371-2273

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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.

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.

STORAGE

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This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.