



# Phantom<sup>®</sup>

## Imazethapyr

Herbicide – Broadleaf Weed Control

Flexible pre-plant, pre-plant incorporated, pre-emergent or post-emergent broadleaf and grassy weed control in soybean, dry bean, pea and alfalfa, with residual control to eliminate early season weed competition.

**Active ingredient:** Imazethapyr

**Chemistry group:** Group 2

**How it works:** Phantom 240 SL is readily absorbed through both leaf and root uptake, and translocated in the weed to inhibit amino acid production and cell division. With early pre-plant and pre-emergent treatments, susceptible weeds emerge, are present as stunted plants and then die. When Phantom is applied post-emergence, absorption may occur through both roots and foliage. Susceptible weeds stop growing and eventually die.

### Registered crops:

Crop	Application timing			
	Pre-plant	Pre-plant incorporated	Pre-emerge	Post-emerge
Adzuki bean		X	X	
Alfalfa grown for seed		X	X	
Dry common bean (black, cranberry, Dutch brown, kidney, white, yellow eye)		Cranberry Kidney White	X	
Lima bean (Ontario only)			X	
Processing pea		X	X	
Snap bean		X	X	
Snow pea		X	X	
Soybean	X	X	X	X

**Weeds controlled:** Check label as weeds controlled vary by crop and application timing

#### Broadleaf weeds

- Cocklebur
- Eastern black nightshade
- Lady's-thumb
- Lamb's-quarters
- Ragweed
- Ragweed, common
- Redroot pigweed
- Smartweed
- Velvetleaf
- Wild buckwheat
- Wild mustard

#### Grasses

- Barnyard grass
- Crabgrass
- Foxtail, green and yellow
- Old witchgrass
- Proso millet

**Crop staging:** Phantom can be applied early pre-plant, pre-plant incorporated, pre-emergent or post-emergent depending on the crop

### Application rates and packaging:

- 126 to 170 mL/ac or 52 to 40 ac/case
- 2 x 3.3L jugs per case

### Water volume:

- Ground: 40 to 160 L/ac
- Do not apply by air

**Rainfastness:** 6 hours, or reduced control may occur on foliar application



**Registered and supported tank mixes:**

Tank-mix Option	Application timing			
	Early pre-plant	Pre-plant incorporated	Pre-emergent	Post-emergent
Gramoxone <sup>®</sup>	X			
Glyphosate	X			X <sup>1</sup>
Glyphosate + FirstRate <sup>®</sup>	X			
Sencor <sup>®</sup> /Lexone <sup>®</sup>		X	X	
Trifluralin		X		
Edge <sup>®</sup>		X		
Lorox <sup>®</sup> /Afolan <sup>®</sup> /Linuron <sup>®</sup>			X	
Basagran <sup>®</sup>				X
Basagran <sup>®</sup> Forte				X

<sup>1</sup> Glyphosate-tolerant soybeans only (i.e., varieties with the Roundup Ready<sup>®</sup>)

**Mixing instructions:**

1. Fill the spray tank ½ to ¾ full with water
2. Add the required amount of Phantom while agitating the spray solution
3. While agitating, add non-ionic surfactant containing at least 80% active ingredient (e.g. Agral<sup>®</sup>, Ag-Surf<sup>®</sup>) at the rate of 0.25% (2.5L of surfactant per 1000L of spray solution)
4. Fill the remainder of the tank with water

**Crop rotations:** These crops may be planted the season following a Phantom application

- Adzuki bean
- Black bean
- Cranberry bean
- Dutch brown bean
- Field corn
- Imazethapyr-tolerant canola
- Imazethapyr-tolerant corn
- Kidney bean
- Lima bean
- Processing pea
- Soybean
- Spring barley
- Spring wheat
- White bean
- Winter wheat
- Yellow eye bean

**Pre-harvest interval:**

- Dry beans,<sup>2</sup> Soybean: 100 days
- Lima bean: 90 days
- Processing pea: 50 days
- Snap bean: 40 days
- Snow pea: 60 days

<sup>2</sup> Kidney, adzuki, Dutch brown, black, yellow eye, white and cranberry beans

**Grazing restriction:** Do not graze treated crops or cut for hay**Storage:** Do not store below freezing

**Quick tips:** Phantom requires moisture for activation. Soil-applied Phantom requires sufficient water within 7 days of application to moisten the soil to a depth of 5cm for activation. If adequate moisture is not received within 7 to 10 days of application, perform a shallow inter-row cultivation 5–8cm 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.

**ADAMA**

Always read and follow label directions  
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**Simply. Grow. Together.**

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