



Early post-emergent broadleaf weed control in pea, dry bean, alfalfa and soybean crops with residual control to eliminate early season weed competition

Active ingredient: Imazethapyr

Chemistry group: Group 2

How it works: Phantom is readily absorbed through both leaf and root uptake, and translocated in the plant to inhibit amino acid production and cell division. Plant growth is inhibited, and a few days after application chlorosis and terminal bud death become evident. Leaves and stems become yellow and purple, and root growth may be inhibited. Crop competition is quickly reduced, although complete plant death is relatively slow.

Registered crops:

- Alfalfa, established (for seed)
- Alfalfa, seedling (forage, seed)
- Chickling vetch (for seed)
- Dry bean (pinto, pink, red)
- Field pea
- Grassy pea
- Soybean (Manitoba only)

Weeds controlled: Check label as weeds controlled vary by crop

Broadleaf weeds:

- Chickweed
- Cleavers
- Hemp-nettle
- Redroot pigweed
- Shepherd's-purse
- Smartweed
- Stinkweed
- Volunteer canola (non-Clearfield[®])
- Wild buckwheat¹
- Wild mustard

Grassy weeds:

- Green foxtail
- Wild oats²

¹ Suppression only

² Apply between the 2 and 4 leaf stage

Crop staging: For best results spray when weeds are in the seedling stage

Crop	Crop Stage	Soil Zone
Alfalfa, established (seed production only) ¹	Apply before alfalfa reaches 12 inches	N/A
Alfalfa, seedling (forage or seed)	After the 1st trifoliolate leaf	Black, grey wooded and irrigated brown soils
Chickling vetch (for seed) Grassy pea	5 to 7 leaf	N/A
Dry bean (pinto, pink and red)	Up to and including the 2nd trifoliolate leaf	Black, grey wooded and irrigated brown soils
Field pea	Up to the 6th trifoliolate leaf	Black and grey wooded soils
Soybean (Manitoba only)	1 to 3 leaf	N/A

¹ Do not use in the last year of seed production.





Application rates and packaging:

- 85 mL/ac or 80 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: None

Mixing instructions:

1. Fill the spray tank 1/2 to 3/4 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[®], Ag-Surf[®]) 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: Research studies have shown the following crops can be safely grown in black and grey wooded soil zones the year following application:

- Alfalfa
- Clearfield[®] canola (imazethapyr and imazamox tolerant)
- Field peas
- Lentils
- Spring barley
- Spring wheat

Pre-harvest interval:

- Dry bean: 75 days
- Field pea, chickling vetch, grassy pea: 60 days
- Soybean: 85 days

Grazing restriction:

- Do not graze or harvest seedling alfalfa within 14 days of treatment
- Do not graze or harvest field peas for feed within 30 days of treatment
- Do not graze other treated crops or cut for feed prior to crop maturity

Storage: Do not store below freezing

Quick tips:

- Consult with your local provincial guidelines or other herbicide labels for potential tank-mix partners

