

PHANTOM

MANA BROADLEAF WEED CONTROL

HERBICIDE

PHANTOM™

Imazethapyr

The pursuit is over.

With the power of imazethapyr, Phantom 240 SL herbicide puts an affordable end to broadleaf weeds. For use in pea, dry bean, alfalfa and soybean crops, Phantom brings the same active ingredient as Pursuit® to market, but at a fair price.

Broad-spectrum weed control: Phantom keeps tough weeds – and spending – under control.

Why Phantom? Phantom is a Group 2 herbicide that contains the ALS inhibitor imazethapyr as its active ingredient. 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. Competition to the crop is quickly reduced, although complete plant death is relatively slow.

Group 2 mode of action: Group 2 herbicides are well suited to broadleaf crops.

Early weed control: Phantom is applied early, up to the 4 leaf stage for most weeds, to eliminate competition early. And with soil activity, Phantom carries on protecting your crop from a second flush of shallow germinating broadleaf weeds that may emerge shortly following application.

Easy to use: Phantom is conveniently packaged in a 3.3-litre jug that treats 40 acres of pea.†

Key weeds:

- Chickweed
- Cleavers
- Green foxtail
- Hemp-nettle
- Smartweed
- Stinkweed



**Fair Price.
Brand Results.**

Application and Use Guidelines:

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

Crop	Crop stage	Soil zone
Field pea	Up to the 6th trifoliate stage	Black and grey wooded soils
Dry bean (pinto, pink and red)	Up to and including the 2nd trifoliate leaf stage	Black, grey wooded and irrigated brown soils
Soybean (Manitoba only)	1 to 3 leaf stage	N/A
Seedling alfalfa (forage or seed)	Apply after the 1st trifoliate leaf stage	Black, grey wooded and irrigated brown soils
Established alfalfa (seed production only) ¹	Apply before alfalfa reaches 30 cm (12 inches)	N/A
Chickling vetch (for seed)/grassy pea	5 to 7 leaf stage	N/A

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

Convenient rates: A typical rate is 85 mL/acre (40 acres per jug).

Cover ground fast: Apply Phantom in 40 to 160 L/acre of water. A nonionic surfactant, such as Agral® 90 or Ag-Surf®, must be added to the spray solution at a rate of 2.5 litres of surfactant per 1,000 litres of spray solution.

Crop rotations: As with the Pursuit label, research studies have shown the following crops can be safely grown in black and grey wooded soil zones the year following application: barley, spring wheat, lentil, alfalfa, field pea and imazethapyr and imazamox tolerant canola (e.g. canola varieties with the Clearfield® trait).

Conduct a field bioassay (a test strip grown to maturity) the year BEFORE growing any crop other than those listed above.

Mixing instructions: There are currently no tank-mixes registered on the Phantom label. To check for tank-mix possibilities, consult provincial guidelines and other herbicide labels.

Weeds controlled: Phantom eliminates weed competition when applied up to the fourth true leaf stage of the weed. Check label as weeds controlled vary by crop.

Broadleaf weeds

Chickweed
Redroot pigweed
Stinkweed

Volunteer canola
(non-Clearfield)
Wild mustard
Cleavers

Hemp-nettle
Shepherd's purse
Smartweed
Wild buckwheat*

Grassy weeds

Green foxtail
Wild oats**

* Suppression only

**Apply between the 2 and 4 leaf stage.

Quality Products. Competitive Prices.

MANA makes sense for growers, for channel partners, for agriculture. Headquartered in Calgary, Alberta, MANA Canada currently offers nearly 20 branded insecticides, fungicides and herbicides from a portfolio of more than 18 strategic active ingredients – and our product portfolio continues to grow. As the North American arm of the world's largest off-patent manufacturer, and seventh-largest agrochemical company, MANA provides best-in-class formulations, regulatory capabilities, and field research.

MANA is the right crop protection partner because we offer a consistent supply of superior formulations sold at fair prices. Our proven products are efficiently manufactured to the highest standards and value-priced to optimize your farm's profitability potential. Control, consistency and cost are the MANA advantages. For more information contact your MANA representative to discuss your local crop protection needs.



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Crop Protection

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† Always read and follow label directions.