

Brotex®480 + Glyphosate for Pre-Seed Weed Control in Canola

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Tank mixing glyphosate with [Brotex 480](#) provides excellent control of volunteer glyphosate tolerant canola between the 1-4 leaf stage prior to seeding Roundup Ready® canola.

NB. When preparing for early season applications, such as pre-seed applications, the climate is often cold. Commercial bromoxynil products including Brotex 480 may show evidence of crystallization at temperatures of -7°C to just above freezing. **Therefore, Brotex 480 should always be stored ABOVE PLUS 7°C to avoid any potential crystallization.**

Brotex 480 + Glyphosate Tank Mix Rates for Volunteer Glyphosate Tolerant Canola Control

Weeds Controlled ^A	Bromoxynil Rate ^B (L/Acre)	Glyphosate Rate (L/Acre)	
	Brotex 480	480 g/L Glyphosate	540 g/L Glyphosate
Annuals	0.29	0.38 – 0.57	0.34 – 0.51
Perennials	0.29	0.77 – 1.52	0.68 – 1.35

^A See [Brotex 480](#) and glyphosate labels for full list of weeds controlled

^B Glyphosate alone will not control glyphosate tolerant canola

Guidelines for Best Results:

1. **Application Conditions – Protect from freezing temperatures.** Bromoxynil herbicides may crystallize at temperatures above freezing. Always keep Brotex 480 above 7°C and always agitate thoroughly before mixing.
2. **Staging – Spray early.** Volunteer canola is most susceptible prior to the 4 leaf stage.
3. **Rate – Apply at labeled rates.** Refer to table above.
4. **Timing – Apply up to 1 day prior to seeding.** Seeding one day after treatment is best. DO NOT apply bromoxynil after seeding or crop emergence.
5. **Planning can reduce volunteer canola populations:**
 - a) **Harvesting canola** – reduce canola seed loss through proper timing of swathing and adjusting the combine.
 - b) **Avoid fall tillage** which can bury canola seed.
 - c) **Plan rotations** to maximize volunteer control options. For example, follow canola with cereals to allow for preseed and/or in-crop phenoxy treatments.
 - d) **Field scouting** – Control volunteers before they set seed.

Always follow the current [Brotex 480](#) and other label (www.ipco.ca) directions.

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