

Matrix® Pre-Seed Update
April 10, 2014

Situation: *Heavy weed pressure and late seeding* will be challenges faced by many Canadian producers this Spring. Both of these factors can dramatically reduce crop yield potential.

Solution: Get your crop off to a fast start by applying [Matrix](#) herbicide alone or with a tank mix partner such as **2,4-D**, **MCPA**, and [Brotex](#)® prior to seeding.



Tank Mix Benefits:

1. Enhanced control of weeds such as Wild Buckwheat, compared to [Matrix](#) alone
2. Control of weeds not controlled by [Matrix](#) alone including volunteer glyphosate tolerant canola and group 9 resistant Kochia
3. Wider weed staging window than [Matrix](#) alone
4. Resistance management – 2 actives
5. Pre-seed weed control leaves more moisture and nutrients for the crop in the critical early growth stages

Use Recommendations:

Matrix Alone:

Rate (L/Acre)	†† Key Weeds Controlled		Notes
	Annual grasses	Annual Broadleaves	
†0.23 – 0.3	Wild oats, green foxtail; volunteer cereals	Stinkweed, Lady's Thumb, Wild Mustard, Volunteer Canola (not glyphosate tolerant canola)	1 – 3 leaf stage for wild oats weeds 3 – 6 inches (8 to 15 cm)
0.38 – 0.57	Above weeds plus downy brome, Persian darnel	Above weeds plus cleavers, Wild Buckwheat, Flixweed, Common Ragweed, Redroot Pigweed, Narrow Leaved Hawk's-beard	Most weeds 3 – 6 inches Use higher rate for Narrow Leaved Hawk's-beard and Wild Buckwheat
0.68 – 1.1	Above weeds plus annual bluegrass, crabgrass	Above weeds plus Kochia, Shepherd's Purse, Annual Sowthistle	Use higher rate for weeds above 6 inches in height

†Add [Ag-Surf II](#) surfactant at 0.14 L/Acre

††See [Matrix](#) label for complete list of weeds controlled at each rate

Tank Mixes:

Tank Mix Option	Rates (L/Acre)	Pre-Seed Crops	Key Weeds/Notes
*2,4-D	*0.17 – 0.41	Wheat, Barley, Rye	Flixweed, Stinkweed, Redroot Pigweed, Narrow Leaved Hawk's-beard, Russian Thistle (Ester or Amine)
*MCPA	0.2 – 0.4	Wheat, Barley, Rye, Oats, Corn, Flax Field peas, Lentils, Chickpeas	Hempnettle, Chickweed, Canada Thistle (Ester or Amine) Use MCPA Amine Formulation Only
Brotex ® 240	0.49	Wheat, Barley, Oats, Canola	Wild Buckwheat, Kochia, Volunteer Canola

*Based on 700 g/L 2,4-D formulation, and 500 g/Litre MCPA formulation

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

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