

## Wild buckwheat control in Roundup Ready canola (2002)

Hyola 357 Roundup Ready canola was seeded May 2 into 6-inch rows at 700,000 pls/A. Individual plots were 10 x 30 ft and replicated three times. Treatments were applied to 1-2 leaf canola on May 28, 3-4 leaf canola on June 4, or 4-6 leaf canola on June 14. The primary weeds were wild buckwheat (Wibw), redroot pigweed (Rrpw), and yellow foxtail (Yeft).

Treatment <sup>a</sup>	Rate	Wibw		Rrpw		Yeft		Aug 5	
		Jun 15	Jul 5	Jun 15	Jul 5	Jun 15	Jul 5	Yield	Test wt
% control								lb/A	lb/bu
<b>1-2 lf</b>									
Roundup Ultra Max	0.375 lb ae	70	85	90	90	75	85	1733	51.1
Roundup Ultra Max	0.56 lb ae	72	91	80	94	75	86	1665	51.3
<b>3-4 lf</b>									
Roundup Ultra Max	0.375 lb ae	77	97	97	97	99	93	1985	50.7
Roundup Ultra Max	0.56 lb ae	86	98	99	95	100	95	1544	51.0
Glyphomax Plus + Stinger	0.375 lb ae + 0.089 lb ai	93	99	97	97	98	92	1844	51.0
<b>5-6 lf</b>									
Roundup Ultra Max	0.375 lb ae		93		95		95	1839	50.6
Roundup Ultra Max	0.56 lb ae		97		95		95	1851	50.6
<b>1-2 lf / 5-6 lf</b>									
Roundup Ultra Max / Roundup Ultra Max	0.375 lb ae / 0.375 lb ae	69	97	88	97	72	97	1958	50.5
Untreated		0	0	0	0	0	0	1157	51.5
LSD (0.05)		9	8	12	6	11	10	396	NS
CV		8	5	9	4	8	7	13	1.3

<sup>a</sup>All treatments were applied with AMS at 2% w/w.

We evaluated wild buckwheat control with Roundup Ultra Max at different rates and timings. Roundup Ultra Max provided 85-98% control of wild buckwheat at the July evaluation. The lower control with the 1-2 leaf application was partially due to later germinating weeds. Glyphomax Plus + Stinger provided 99% wild buckwheat control. All treatments applied at 3-4 leaf or 5-6 leaf canola provided excellent pigweed and yellow foxtail control. The 3-4 leaf and 5-6 leaf treatments generally yielded more than treatments applied at the 1-2 leaf canola stage.