

Group 1-resistant wild oat control with Liberty in LL canola

In 2015, the objective of the study was to evaluate Group 1-resistant wild oat control with Liberty and Select in Liberty Link canola. 'L140P' canola was planted April 30. Postemergence herbicide treatments were applied at the 4-leaf canola stage.

The herbicide treatments caused slight, but temporary crop injury. All treatments provided excellent wild oat control. The crop was very competitive and essentially shaded out the low wild oat population (~1 plant per square foot). It should be noted that in previous years, Liberty alone or Select Max at 6 oz (one-half rate) has not provided good control when applied to larger, more dense wild oat populations. For larger, dense wild oat, a Liberty + Select tank mix would be recommended. Even though this wild oat population is known to be Group 1 resistant, it is not resistant to all Group 1 herbicides. It has not shown resistance to Axial or Select.

Table. Wild oat control in Liberty Link canola in 2015. (1530)			Canola injury			Wild oat control	
Treatment	Rate	Timing	Jun-19	Jul-3	Jul-25	Jul-3	Jul-25
			-----%-----			-----%-----	
Untreated			0	0	0	0	0
Liberty + AMS	22 oz + 4.4 gal/100 gal	4-leaf	9	3	0	99	99
Select Max + NIS	6 oz + 0.25%	4-leaf	4	0	0	87	99
Liberty + Select Max + AMS	22 oz + 6 oz + 4.4 gal/100 gal	4-leaf	12	2	0	99	99
Select Max + NIS	12 oz + 0.25%	4-leaf	6	0	0	99	99
LSD (0.05)			2.5	5.1	NS	5.7	0