

Study Name: Influence of row spacing, plant populations, application timing, and tillage system on weed control in LL canola.

Study Number: 9803n (no-till)

Objectives: Determine the influence of row spacing (6 and 12-inch), canola populations (8 and 12 plants per square foot), various herbicide applications, and tillage system (conventional and no-till) on weed control in Liberty Link canola.

Results: The study was established on Wayne Ott's farm due to wet conditions in other fields. The second replication of the no-till trial could not be seeded due to wet conditions in a high alkali spot. The trial was destroyed by hail in July. After rating the plot for kochia control we disked the trial under. Liberty effectively controlled the kochia.

Table. Influence of row spacing, plant populations, and application timing on weed control in glufosinate-tolerant canola. (9903n)

Treatment	Rate	Timing	<u>July 21</u> Kocz
Liberty + AMS 6-inch rows 8 plants / sq ft	27 fl oz + 3 lb	3-4 leaf	98
Liberty + AMS 6-inch rows 16 plants / sq ft	27 fl oz + 3 lb	3-4 leaf	96
Liberty + AMS 12-inch rows 8 plants / sq ft	27 fl oz + 3 lb	3-4 leaf	98
Liberty + AMS 12-inch rows 16 plants / sq ft	27 fl oz + 3 lb	3-4 leaf	99
Liberty + AMS Liberty + AMS 6-inch rows 8 plants / sq ft	20 fl oz + 3 lb 20 fl oz + 3 lb	C-2 leaf 3-4 leaf	100
Liberty + AMS Liberty + AMS 6-inch rows 16 plants / sq ft	20 fl oz + 3 lb 20 fl oz + 3 lb	C-2 leaf 3-4 leaf	100
Liberty + AMS	20 fl oz + 3 lb	C-2 leaf	100

Liberty + AMS 12-inch rows 8 plants / sq ft	20 fl oz + 3 lb	3-4 leaf	
Liberty + AMS 12-inch rows 16 plants / sq ft	20 fl oz + 3 lb	C-2 leaf	100
Liberty + AMS 12-inch rows 16 plants / sq ft	20 fl oz + 3 lb	3-4 leaf	
No herbicide 6-inch rows 8 plants / sq ft			0
No herbicide 6-inch rows 16 plants / sq ft			0
No herbicide 12-inch rows 8 plants / sq ft			0
No herbicide 12-inch rows 16 plants / sq ft			0
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LSD (0.05)			3
CV			2
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