

Evaluation of injury to imidazolinone-tolerant canola seeded into sulfonylurea treated soil. (2000)

Herbicide treatments were applied May 21, 1999. One year later, imidazolinone-tolerant canola (46A76) was seeded May 17, 2000 at 700,000 pls/A into 6-inch rows under a conventional tillage system. Individual plots were 10 by 60 ft and replicated three times. Canola was harvested August 22, 2000.

Treatment	Rate	Canola	
		Yield	Tst Wt
Untreated		lb/A	lb/bu
Peak	0.25 oz	1637	50.6
Amber	0.28 oz	1662	50.8
Rave	2 oz	1662	50.7
Finesse	0.25 oz	1601	50.8
Ally	0.1 oz	1658	50.8
LSD		1812	50.7
CV		NS	NS
		8	0.3

The plot area was not tilled in fall 1999. We disked the plot area twice in spring 2000 prior to seeding. Raptor (4 fl oz) was applied postemergence over the entire plot. The only visible injury was a slight yellowing on one end of the study which was on a steeper slope. The pH and OM on the slope were 8.2 and 2.4%, respectively. The pH and OM for the rest of the plot area was 7.7 and 3.0%, respectively. Canola yields in the treated plots were not significantly different from the untreated.