

**Study Name:** Dry pea tolerance to Express and Affinity applied PRE

**Study Number:** 0553

**Objectives:**

**Results:**

'Majoret' dry peas were seeded May 11 at 120 lb/A into 6-inch rows. Herbicide treatments were applied preemergence (PRE) on May 19. Individual plots were 10 x 30 ft and replicated three times.

The objective of this study was to determine if Express or Affinity applied PRE would cause injury to dry pea. This use is not labeled as of November 2005. Express or Affinity could be tank-mixed with preplant or PRE glyphosate (burndown) to help control weeds such as wild buckwheat and volunteer RR canola.

There was no visible crop injury with any treatment. There were no differences in dry pea yield or test weight with any treatment. We had 1.24 inches of rain two days after application and almost 5 inches within about two weeks of application.

Table. Dry pea tolerance to Express and Affinity applied PRE.

Treatment <sup>a</sup>	Rate	Timing	Pea density	Dry pea			
			Jun 24	Jun 24	Jul 15	Yield	Test wt.
			#/m row	— % injury —		lb/A	lb/bu
Express + NIS	0.083 oz + 0.25% v/v	PRE	11.5	0	0	3160	64.3
Express + NIS	0.125 oz + 0.25% v/v	PRE	11.6	0	0	2820	64.8
Express + NIS	0.167 oz + 0.25% v/v	PRE	13.4	0	0	2770	64.2
Affinity + NIS	0.15 oz + 0.25% v/v	PRE	11.0	0	0	2660	65.0
Affinity + NIS	0.3 oz + 0.25% v/v	PRE	13.2	0	0	2840	64.8
Prowl H2O	0.75 lb ae + 3 pt	PRE	11.8	0	0	2730	64.6
LSD (0.05)			NS	NS	NS	NS	NS
CV			15.0	0	0	9	1.1

<sup>a</sup>Glyphosate and Prowl H2O (0.75 lb ae and 3 pt) were applied alone or tank-mixed with each treatment Express or Affinity treatment to control weeds.