

### Dry pea tolerance to clethodim and quizalofop (Select and Assure II)

The objective of this study was to determine if the grass herbicides clethodim (Select) and quizalofop (Assure II) cause dry pea injury. Two formulations of clethodim (Select Max and Volunteer) and one quizalofop (Assure II) formulation were evaluated. Two rates of each herbicide were applied when peas were 5-6 inches tall (June 2) and 8-10 inches tall (just prior to flowering on June 9). Select Max applied just prior to flowering was the only treatment to show minor injury. Select Max turned the peas a darker shade of green for several days, but injury was not visible 2 weeks after treatment. No injury was observed from Assure II, Volunteer, or Select Max at the early stage.

Table. Dry pea tolerance to Select Max and Assure II. (1024)

Treatment <sup>a</sup>	Rate	Timing	Dry Pea					Yield 6 Aug lb/A	TW 6 Aug lb/bu	
			Injury				6 Aug			6 Aug
			9 Jun	16 Jun	26 Jun	8 Jul				
			-----%-----							
Untreated			0	0	0	0	4205	62.8		
Select Max	12 fl oz	5-inch	0	0	0	0	3930	63.9		
Select Max	16 fl oz	5-inch	0	0	0	0	3906	64.1		
Volunteer	6 fl oz	5-inch	0	0	0	0	4199	63.3		
Volunteer	8 fl oz	5-inch	0	0	0	0	4016	63.4		
Assure II	8 fl oz	5-inch	0	0	0	0	4182	63.0		
Select Max	12 fl oz	Pre-Flower	0	6	0	0	4194	63.0		
Select Max	16 fl oz	Pre-Flower	0	11	0	0	3803	62.8		
Volunteer	6 fl oz	Pre-Flower	0	0	0	0	4003	63.5		
Volunteer	8 fl oz	Pre-Flower	0	0	0	0	4062	63.3		
Assure II	8 fl oz	Pre-Flower	0	0	0	0	4157	63.5		
LSD (0.05)			NS	1	NS	NS	NS	NS		
CV			0	26	0	0	9	1		

<sup>a</sup>Treatments were applied on June 2 and June 9.