

### Weed control in no-till dry pea (Williston-2003)

Scuba dry peas were seeded May 25. Individual plots were 10 x 30 ft and replicated three times. PRE and POST treatments were applied May 28 and June 16, respectively. The primary weeds evaluated were kochia (Kocz), Russian thistle (Ruth), volunteer wheat (Vwht), and green foxtail (Grft).

Treatment <sup>a</sup>	Rate	Timing					Dry Pea		
			Kocz	Ruth	Vwht	Grft	Injury	Yield	Test Wt.
			Jul 9				Jul 9	Aug 12	
			——% control ——				%	lb/A	lb/bu
Roundup/ Raptor + Basagran + NIS + 28% N	13 fl oz/ 4 oz + 1 pt + 0.25% v/v + 1 qt	PRE/ POST	90	95	99	58	0	1151	63.3
Roundup + Spartan/ Select + COC	13 fl oz + 2.67 oz/ 5 fl oz + 1% v/v	PRE/ POST	88	100	99	89	0	1350	62.3
Roundup + Spartan/ Select + COC	13 fl oz + 4 oz/ 5 fl oz + 1% v/v	PRE/ POST	95	100	97	92	0	1388	62.0
Roundup + Spartan/ Select + COC	13 fl oz + 5.33 oz/ 5 fl oz + 1% v/v	PRE/ POST	96	100	98	95	0	1435	62.3
Roundup/ Basagran + Poast + COC	13 fl oz/ 2 pt + 1 pt + 2 pt	PRE/ POST	92	91	97	47	0	922	64.5
Roundup + Spartan/ Basagran + Poast + COC	13 fl oz + 2.67 oz/ 1 pt + 1 pt + 2 pt	PRE/ POST	86	95	95	85	0	1222	63.5
Roundup + Spartan + Sencor/ Select + COC	13 fl oz + 4 oz + 0.25 lb/ 5 fl oz + 1% v/v	PRE/ POST	96	99	94	96	4	1138	61.9
Untreated			0	0	0	0	0	263	54.8
LSD (0.05)			4	10	3	12	1	225	3.1
CV			3	6	2	7	178	12	2.9

<sup>a</sup>Roundup formulation used was Roundup UltraMax applied with AMS at 2.5 gal/100 gal.

Basagran + Raptor, Basagran + Poast, and various Spartan treatments were evaluated for weed control in dry pea. Roundup UltraMax was applied preemergence in all treatments. Spartan alone and Spartan + Sencor treatments were tank mixed with Roundup UltraMax. Select was applied postemergence following most Spartan treatments. Only Spartan + Sencor caused slight crop injury.

All treatments provided good to excellent kochia and Russian thistle control. The low Spartan rate tended to provide slightly less kochia control. All treatments provided excellent control of volunteer wheat; however, Basagran + Raptor and Basagran + Poast (2 pt +1pt) provided poor green foxtail control. Foxtail control was significantly better where a lower rate of Basagran was applied with Poast (1 pt + 1 pt), which suggests that the Basagran severely antagonized the foxtail control in the two treatments. Select provided good to excellent volunteer wheat and green foxtail control.