

POST weed control with bentazon and imazamox tank mixtures in dry bean, Carrington, 2010. (Greg Endres and Blaine Schatz). The experiment was conducted at the NDSU Carrington Research Extension Center in cooperation with BASF. Experimental design was a randomized complete block with four replicates. 'Lariat' pinto bean was planted May 26. Herbicide treatments were applied with a hand-held boom sprayer delivering 17 gal/A at 35 psi through TeeJet XR 80015 flat fan nozzles to the center 6.7 ft of 10- by 25-ft plots on June 20 with 71 F, 56% RH, and 8 mph wind to 1.5 trifoliate leaf bean, 3- to 5-leaf yellow and green foxtail, 4- to 6-inch tall common lambsquarters, and 2- to 4-inch tall wild buckwheat.

Table.										
Herbicide			Weed control (%) <sup>1</sup>							
Treatment <sup>2</sup>		Rate	30-Jun			9-Jul			4-Aug	
No.		fl oz product/A	fota	colq	wibw	fota	colq	wibw	fota	colq
1	untreated check	x	0	0	0	0	0	0	0	0
2	Raptor	4	69	69	36	71	70	69	70	67
3	Basagran + Raptor	16 + 4	72	75	57	73	74	68	70	71
4	Basagran + Raptor	21.4 + 4	71	75	58	72	73	69	66	72
5	BAS 762AC H	24	72	75	75	73	74	67	68	73
6	Basagran + Raptor	24 + 4	69	71	75	70	72	69	66	72
7	Basagran + Raptor	28 + 4	70	71	70	71	71	68	65	70
C.V. (%)			6.6	5.0	31.0	4.1	3.4	4.4	3.6	4.7
LSD (0.05)			5	4	22	3	3	3	3	4

<sup>1</sup>fota=green and yellow foxtail; colq=common lambsquarters; wibw=wild buckwheat.

<sup>2</sup>Treatments included COC (MES 100 ) at 1% v/v plus UAN at 2% v/v.

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