

Study Name: Weed control in dry beans

Study Number: 9911

Objectives: Evaluate weed control with registered and experimental herbicides

Results: Dry bean stands were reduced approximately 25% in the Valor treatments. Spartan did not cause a stand reduction. Raptor + Quad 7 caused some initial leaf discoloration, but the dry beans quickly recovered. Dry bean yield in the Spartan plot was lower than that of Valor primarily due to lack of grass control.

Raptor or Raptor + Basagran combinations effectively controlled foxtails, wild oat, redroot pigweed, and wild mustard. Raptor was notably weaker on wild buckwheat which made harvest more difficult. Valor, Spartan, and Python were fair to excellent on redroot pigweed. Valor and Spartan somewhat suppressed wild buckwheat, however, lack of grass control probably aided in shading and holding down wild buckwheat.

Table. Weed control in dry beans.

Treatment	Rate	Jul 8	Jul 26	July 8			Sept 14			Yield
		Injury	Injury	Fxtl ^a	Rrpw	Wibw	Fxtl ^a	Rrpw	Wibw	
Untreated		0	0	0	0	0	0	0	0	755
Raptor + NIS	3 fl oz 0.25%	1	0	97	97	55	99	99	36	1950
Raptor + NIS	4 fl oz 0.25%	2	0	97	98	56	99	99	40	2189
Raptor + Quad 7	4 fl oz 1%	3	0	99	99	64	100	99	35	2070
Raptor + COC	4 fl oz 1%	2	0	98	99	56	99	99	35	1903
Raptor + NIS + 28 % N	4 fl oz 0.25% 1 qt	1	0	98	98	59	99	99	36	1989
Raptor + Basagran + NIS + 28 % N	4 fl oz 8 fl oz 0.25% 1 qt	0	0	97	98	59	99	98	38	1845
Raptor + Basagran + NIS + 28 % N	4 fl oz 16 fl oz 0.25% 1 qt	1	0	99	98	69	99	99	35	2028
Raptor + Basagran + NIS + 28 % N	2 fl oz 8 fl oz 0.25% 1 qt	0	0	89	94	48	93	97	35	1920
Valor	1.25 oz	10	4	69	96	89	40	97	74	1520
Valor	2 oz	12	5	69	94	82	43	95	68	1376
Spartan	0.125 lb ai	0	0	25	68	70	18	70	58	1107
Spartan	0.25 lb ai	0	0	50	89	68	33	86	59	1483
Python	1 oz	0	0	28	100	23	18	97	13	1400
LSD		3	1	10	8	14	8	6	10	423

CV		89	98		10	7	17		8	5	18		18
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^a *Fxtl=Green and yellow foxtail*