

ALS resistant weed control in CL sunflower systems (2004)

There was no sunflower injury observed regardless of treatment or evaluation date.

Table. ALS resistant weed control in CL sunflower systems

Treatment ^a	Rate	Timing	Yellow foxtail			Redroot pigweed			Kochia		Yield	Test Wt
			Jun 22	Jul 19	Jul 29	Jun 22	Jul 19	Jul 29	Jul 19	Jul 29	Oct 27	
			— % control —								lb/A	lb/bu
Untreated check			0	0	0	0	0	0	0	0	580	26.0
Beyond	4 fl oz	2-4 in	0	85	84	0	93	94	17	7	1516	26.1
Prowl/ Beyond	1.25 lb ai/ 4 fl oz	PRE/ 2-4 in	90	93	90	90	99	100	5	0	1978	27.4
Prowl H2O/ Beyond	1.25 lb ai/ 4 fl oz	PRE/ 2-4 in	90	95	88	92	100	99	1	0	1828	27.2
Prowl H2O + Spartan/ Beyond	1.25 lb ai + 3 oz/ 4 fl oz	PRE/ 2-4 in	92	95	90	96	100	100	100	100	1876	27.1
Prowl H2O + Spartan/ Beyond	1.25 lb ai + 2 oz/ 4 fl oz	PRE/ 2-4 in	90	94	90	97	100	100	100	100	2073	26.8
Prowl H2O + Spartan/ Beyond	1.25 lb ai + 1 oz/ 4 fl oz	PRE/ 2-4 in	91	96	89	96	99	100	97	98	1847	26.6
Beyond + COC + 28% N	4 fl oz + 1% v/v + 2.5% v/v	2-4 in	0	85	86	0	95	98	12	2	1505	26.3
Prowl H2O/ Beyond + COC + 28% N	1.25 lb ai/ 4 fl oz + 1% v/v + 2.5% v/v	PRE/ 2-4 in	90	93	89	88	99	67	33	60	1850	27.1
Prowl H2O + Spartan/ Beyond + COC + 28% N	1.25 lb ai + 2 oz/ 4 fl oz + 1% v/v + 2.5% v/v	PRE/ 2-4 in	90	91	89	96	100	100	100	100	2197	27.3
Spartan/ Beyond + COC + 28% N	2 oz/ 4 fl oz + 1% v/v + 2.5% v/v	PRE/ 2-4 in	7	86	90	93	100	100	100	100	1601	25.9

LSD (0.05)	3	3	5	3	3	30	32	27	376	1.0
CV	3	2	3	3	2	20	36	31	13	2.2

^aBeyond treatments were applied with NIS at 0.25% v/v and 28% N at 2.5% v/v when not otherwise specified.