

**Table 4. Evaluation of herbicide systems in soybeans. (KS-SYST)**

Treatment	Rate	Unit/acre	Timing	Crop Injury	Foxtail spp.		Lambsquarters		Waterhemp	
				7/18 (% injury)	7/18	9/5	7/18	9/5	7/18	9/5
1 ROUNDUP ULTRA (4SL) FERT - 21% AMS	16 3	fl oz lb	POST	0	65	99	93	98	96	94
2 ROUNDUP ULTRA (4SL) FERT - 21% AMS	32 3	fl oz lb	POST	0	98	99	98	99	99	99
3 ROUNDUP ULTRA (4SL) FERT - 21% AMS	64 3	fl oz lb	POST	0	96	99	99	99	99	99
4 TOUCHDOWN (5SL) FERT - 21% AMS	14 3	fl oz lb	POST	0	96	99	90	99	94	99
5 TOUCHDOWN (5SL) FERT - 21% AMS	28 3	fl oz lb	POST	0	96	99	98	98	98	98
6 TOUCHDOWN (5SL) FERT - 21% AMS	56 3	fl oz lb	POST	2	98	99	99	99	98	99
7 FIRST RATE (DG84) GLYPHOMAX PLUS 4 (SL) FERT - 21% AMS	0.3 24 2	oz fl oz lb	POST	0	96	99	98	99	98	99
8 EXTREME (2.17SL) NONIONIC SURFACT. FERT - 21% AMS	1.5 0.125 3	qt % v/v lb	POST	0	99	99	98	99	99	99
9 AUTHORITY (75DF) SYNCHRONY STS 25DG (WG) ASSURE II (0.88EC) CROP OIL CONC. FERTILIZER - 28%UAN	5 0.5 8 1 3	oz oz fl oz % v/v pt	PRE POST	2	93	99	99	98	99	99
10 POAST PLUS (1EC) GALAXY (3.67SL) CROP OIL CONC. FERTILIZER - 28%UAN	1.5 2 1 2	pt pt pt qt	POST	2	70	80	70	57	96	98
11 FLEXSTAR (1SL) FUSION (2.66EC) CROP OIL CONC. FERTILIZER - 28%UAN	1.25 8 0.5 2.5	pt fl oz % v/v % v/v	POST	0	85	87	73	65	97	97
12 SELECT (240EC) STELLAR (3.1EC) CROP OIL CONC. FERTILIZER - 28%UAN	6 5 2 2	fl oz fl oz pt qt	POST	2	90	90	62	30	95	96
13 RAPTOR (1SL) COBRA (2EC) CROP OIL CONC. FERTILIZER - 28%UAN	5.5 10 0.25 1	fl oz fl oz % v/v % v/v	POST	7	60	85	75	90	93	96
14 UNTREATED CHECK			CHECK	0	0	0	0	0	0	0
LSD (0.05)				3	27.6	9.6	6	15.4	4.8	4.7

**Table 5. Comparison of Roundup Ultra application timings for soybean yield and weed control. (KS-RRY)**

Treatment	Rate	Unit/acr	Timing	Foxtail		Waterhemp		Velvetleaf		Lambsquarter		Soybean	
				7/18	9/5	7/18	9/5	7/18	9/5	7/18	9/5	10/10	
1	UNTREATED CHECK		CHECK	0	0	0	0	0	0	0	0	9.7	
2	ROUNDUP ULTRA (4SL)	32	fl oz	EPOST	92	96	91	98	88	89	94	90	49.6
3	ROUNDUP ULTRA (4SL)	32	fl oz	POST	99	99	99	99	90	99	97	99	50.4
4	ROUNDUP ULTRA (4SL)	32	fl oz	LPOST	98	99	96	98	88	98	98	99	46.4
5	ROUNDUP ULTRA (4SL)	32	fl oz	EPOST	99	99	99	99	99	99	99	99	49.8
	ROUNDUP ULTRA (4SL)	32	fl oz	LPOST									
6	DUAL II MAGNUM	2	pt	PRE	99	97	99	99	89	87	95	92	49.5
	ROUNDUP ULTRA (4SL)	32	fl oz	EPOST									
7	DUAL II MAGNUM	2	pt	PRE	96	99	99	99	91	99	99	99	52.7
	ROUNDUP ULTRA (4SL)	32	fl oz	POST									
8	DUAL II MAGNUM	2	pt	PRE	99	99	99	99	91	99	99	99	47
	ROUNDUP ULTRA (4SL)	32	fl oz	LPOST									
	LSD (0.05)				3.4	3.3	5	1.4	10.0	8.4	4.8	5.7	3.7