

2009 Soybean Herbicide Evaluation - Waseca

Common ragweed site

Herbicide	Rate (Product/A)	Giant foxtail	Common ragweed	Common lambsquarters -----(% control)-----	Velvetleaf	Redroot pigweed	Wild Buckwheat	Yield (bu/A)	Cost ----(\$/A)----	Returns
<u>Preemergence/ POST I (4-inch weeds)</u>										
Boundary / Flexstar + Fusion + Harmony GT + MSO +.5 pt / 16 oz + 8 oz + 0.125 oz + 1% + 2.5'		78	98	87	99	92	89	38.6	63.54	307
Authority First / Raptor + Select + COC + 28%N	6.4 oz / 4 oz + 6 oz + 1% 2.5%	83	88	99	99	99	98	39.1	80.30	295
Gangster / Raptor + Select + COC + 28%N	3 oz / 4 oz + 6 oz + 1% 2.5%	78	93	96	99	87	99	40.1	70.86	314
<u>Preemergence/ POST II (6-inch weeds)</u>										
Authority First / Roundup Original Max + AMS	3.2 oz / 22 oz + 3 qt	92	99	99	99	99	97	44.3	48.55	377
Authority Asist / Roundup Original Max + AMS	5 oz / 22 oz + 3 qt	93	99	99	99	99	99	42.6	47.12	362
IntRRo / Roundup WeatherMax + AMS	4 pt / 22 oz + 3 qt	88	99	99	99	97	99	42.4	48.41	359
Gangster / Roundup Original Max + AMS	2.4 oz / 22 oz + 3 qt	90	99	99	99	99	99	45.3	49.08	385
Prefix / Touchdown Total + AMS	2 pt / 24 oz + 3 qt	95	99	97	96	99	99	45.6	47.47	391
Boundary / Touchdown Total + AMS	1.5 pt / 24 oz + 3 qt	94	98	99	97	99	99	41.8	44.84	356
V-10233 / Roundup Original Max + AMS	3 oz / 22 oz + 3 qt	86	99	99	99	99	96	42.4		
Valor SX + Python / Roundup Original Max + AMS	2 oz + 0.5 oz / 22 oz + 3 qt	85	99	99	99	99	99	40.1	51.56	334
Valor SX + IntRRo / Roundup Original Max + AMS	2 oz + 1 pt / 22 oz + 3 qt	84	99	99	99	99	99	37.2	48.52	308
Sonic / Durango + AMS	4.5 oz / 24 oz + 3 qt	90	99	99	99	99	99	39.2	52.28	324
Enlite / Roundup Original Max + AMS	2.8 oz / 22 oz + 3 qt	85	99	99	99	99	97	40.8	47.93	344
Enlite / Roundup Original Max + Harmony + AMS	2.8 oz / 22 oz + 0.125 oz + 3 qt	81	99	99	99	99	99	40.0	51.89	332
<u>POST I (4-inch weeds)/POST III(Canopy)</u>										
Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	96	99	99	99	99	96	38.3	47.58	320
Durango DMA + First Rate + AMS / Durango DMA + AMS	24 oz + 0.3 oz + 3 qt / 24 oz + 3 qt	98	99	99	99	99	99	38.2	44.85	322
Flexstar GT + AMS / Touchdown Total + AMS	3 pt + 3 qt / 24 oz + 3 qt	99	99	99	99	99	97	40.7	59.45	331
<u>POST II (6-inch weeds)</u>										
Classic + Harmony GT + Roundup Original Max + AMS	0.33 oz + 22 oz + 3 qt	88	96	99	99	99	96	40.4	31.70	356
Resource + Roundup Original Max + NIS + AMS	3 oz + 22 oz + 0.25% + 3 qt	87	97	93	99	99	99	42.3	34.20	372
Cadet + Roundup Original Max + NIS + AMS	0.6 oz + 22 oz + 0.25% + 3 qt	86	94	99	93	96	97	39.5	35.11	344
Roundup WeatherMax+AMS	22 oz + 3 qt	86	96	97	93	96	94	40.3	28.79	358
<u>Checks</u>										
Weedy Check	-	0	0	0	0	0	0	5.9	0.00	57
Weed Free	-	100	100	100	100	100	100	40.1	0.00	385
	LSD(0.10)	8	6	7	5	7	4	5.0		49

Soybean Variety: Pioneer 91Y90

Planting date: May 20

Pre application: May 21

4" Weeds applied 18-Jun

6" weeds applied 24-Jun