

2009 Soybean Herbicide Evaluation - Waseca

Common cocklebur site

Herbicide	Rate (Product/A)	Giant	Common	Common	Yield (bu/A)	Cost ----(\$/A)----	Returns
		foxtail	cocklebur	ragweed			
		-----(% control)-----					
<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'		81	64	90	36.9	63.54	291
Authority First / Raptor + Select + COC + 28%N	6.4 oz / 4 oz + 6 oz + 1% 2.5%	73	43	65	34.3	80.30	249
Gangster / Raptor + Select + COC + 28%N	3 oz / 4 oz + 6 oz + 1% 2.5%	83	82	77	37.0	70.86	284
<u>Preemergence/ POST II (6-inch weeds)</u>							
Authority First / Roundup Original Max + AMS	3.2 oz / 22 oz + 3 qt	94	97	99	38.7	48.55	323
Authority Asist / Roundup Original Max + AMS	5 oz / 22 oz + 3 qt	93	99	99	37.0	47.12	308
IntRRo / Roundup WeatherMax + AMS	4 pt / 22 oz + 3 qt	95	96	99	38.0	48.41	316
Gangster / Roundup Original Max + AMS	2.4 oz / 22 oz + 3 qt	93	99	96	42.7	49.08	361
Prefix / Touchdown Total + AMS	2 pt / 24 oz + 3 qt	97	99	99	40.0	47.47	336
Boundary / Touchdown Total + AMS	1.5 pt / 24 oz + 3 qt	96	99	99	38.1	44.84	321
V-10233 / Roundup Original Max + AMS	3 oz / 22 oz + 3 qt	96	97	99	38.8		
Valor SX + Python / Roundup Original Max + AMS	2 oz + 0.5 oz / 22 oz + 3 qt	94	99	99	35.9	51.56	293
Valor SX + IntRRo / Roundup Original Max + AMS	2 oz + 1 pt / 22 oz + 3 qt	93	99	99	38.0	48.52	317
Sonic / Durango + AMS	4.5 oz / 24 oz + 3 qt	94	99	99	34.5	52.28	279
Enlite / Roundup Original Max + AMS	2.8 oz / 22 oz + 3 qt	94	99	99	37.2	47.93	310
Enlite / Roundup Original Max + Harmony + AMS	2.8 oz / 22 oz + 0.125 oz + 3 qt	91	97	99	37.1	51.89	304
<u>POST I (4-inch weeds)/POST III(Canopy)</u>							
Roundup WeatherMax + AMS /	22 oz + 3 qt /	99	99	99	35.9	47.58	297
Roundup WeatherMax + AMS	22 oz + 3 qt						
Durango DMA + First Rate + AMS /	24 oz + 0.3 oz + 3 qt /	99	99	99	38.7	44.85	327
Durango DMA + AMS	24 oz + 3 qt						
Flexstar GT + AMS /	3 pt + 3 qt /	99	99	99	37.8	59.45	303
Touchdown Total + AMS	24 oz + 3 qt						
<u>POST II (6-inch weeds)</u>							
Classic + Harmony GT + Roundup Original Max + AMS	0.33 oz + 22 oz + 3 qt	94	97	99	35.4	31.70	308
Resource + Roundup Original Max + NIS + AMS	3 oz + 22 oz + 0.25% + 3 qt	90	93	90	37.5	34.20	326
Cadet + Roundup Original Max + NIS + AMS	0.6 oz + 22 oz + 0.25% + 3 qt	94	99	96	37.5	35.11	325
Roundup WeatherMax+AMS	22 oz + 3 qt	92	98	99	36.1	28.79	319
<u>Checks</u>							
Weedy Check	-	0	0	0	6.7	0.00	64
Weed Free	-	100	100	100	37.6	0.00	361
LSD(0.10)		4	12	7	3.9		36

Soybean Variety: Pioneer 91Y90

Planting date: May 20

Pre application: May 21

4" Weeds applied 18-Jun

6" weeds applied 24-Jun