

2009 Soybean Herbicide Evaluation

Average across all locations

Giant Yellow Grass Common Tall Common

foxtail foxtail mix lambsquarters waterhemp ragweed Velvetleaf

ragweed Cocklebur pigweed Wild

Buckwheat Yield Cost Returns

7 7 S.E.

-----(% control)-----

(bu/A) ----(\$/A)----

(Product/A)

Preemergence/ POST I (4-inch weeds)

1 Boundary / Flexstar + Fusion + Harmony GT + MSO + 28% 1.5 pt / 16 oz + 8 oz + 0.125 oz + 1% + 2.5%

2 Authority First / Raptor + Select + COC + 28%N 6.4 oz / 4 oz + 6 oz + 1% 2.5%

3 Gangster / Raptor + Select + COC + 28%N 3 oz / 4 oz + 6 oz + 1% 2.5%

Preemergence/ POST II (6-inch weeds)

4 Authority First / Roundup Original Max + AMS 3.2 oz / 22 oz + 3 qt

5 Authority Assist / Roundup Original Max + AMS 5 oz / 22 oz + 3 qt

6 IntRRo / Roundup WeatherMax + AMS 4 pt / 22 oz + 3 qt

7 Gangster / Roundup Original Max + AMS 2.4 oz / 22 oz + 3 qt

8 Prefix / Touchdown Total + AMS 2 pt / 24 oz + 3 qt

9 Boundary / Touchdown Total + AMS 1.5 pt / 24 oz + 3 qt

10 V-10233 / Roundup Original Max + AMS 3 oz / 22 oz + 3 qt

11 Valor SX + Python / Roundup Original Max + AMS 2 oz + 0.5 oz / 22 oz + 3 qt

12 Valor SX + IntRRo / Roundup Original Max + AMS 2 oz + 1 pt / 22 oz + 3 qt

13 Sonic / Durango + AMS 4.5 oz / 24 oz + 3 qt

14 Enlite / Roundup Original Max + AMS 2.8 oz / 22 oz + 3 qt

15 Enlite / Roundup Original Max + Harmony + AMS 2.8 oz / 22 oz + 0.125 oz + 3 qt

POST I (4-inch weeds)/POST III(Canopy)

16 Roundup WeatherMax + AMS / 22 oz + 3 qt /

Roundup WeatherMax + AMS 22 oz + 3 qt

17 Durango DMA + First Rate + AMS / 24 oz + 0.3 oz + 3 qt /

Durango DMA + AMS 24 oz + 3 qt

18 Flexstar GT + AMS / 3 pt + 3 qt /

Touchdown Total + AMS 24 oz + 3 qt

POST II (6-inch weeds)

19 Synchrony XP + Roundup Original Max + AMS 0.38oz + 22 oz + 3 qt

20 Resource + Roundup Original Max + NIS + AMS 3 oz + 22 oz + 0.25% + 3 qt

21 Cadet + Roundup Original Max + NIS + AMS 0.6 oz + 22 oz + 0.25% + 3 qt

22 Roundup WeatherMax+AMS 22 oz + 3 qt

Checks

23 Weedy Check - 0 0 0 0 0 0 0 0 0 0 0 0 6.9 0.00 67 6.8

24 Weed Free - 100 100 100 100 100 100 100 100 100 100 100 100 41.5 0.00 398 12.6

LSD(0.10) 2 4 2 3 4 5 2 4 12 7 4 2.0 20

Soybean = \$9.60/bu

Herbicide	Rate	Giant foxtail	Yellow foxtail	Grass mix	Common lambsquarters	Tall waterhemp	Common ragweed	Velvetleaf	Giant ragweed	Common Cocklebur	Redroot pigweed	Wild Buckwheat	Yield 7	Cost 7	Returns 7	S.E.
	(Product/A)	4	1	1	5	3	2	2	2	1	1	1	(bu/A)	----	----	
<u>Preemergence/ POST I (4-inch weeds)</u>																
1	Boundary / Flexstar + Fusion + Harmony GT + MSO + 28% 1.5 pt / 16 oz + 8 oz + 0.125 oz + 1% + 2.5%	88	93	99	96	88	94	99	89	64	92	89	37.4	62.21	295	15.9
2	Authority First / Raptor + Select + COC + 28%N 6.4 oz / 4 oz + 6 oz + 1% 2.5%	88	76	99	98	92	77	99	88	43	99	98	39.1	80.30	295	14.4
3	Gangster / Raptor + Select + COC + 28%N 3 oz / 4 oz + 6 oz + 1% 2.5%	89	81	95	98	84	85	99	82	82	87	99	36.1	70.86	276	16.9
<u>Preemergence/ POST II (6-inch weeds)</u>																
4	Authority First / Roundup Original Max + AMS 3.2 oz / 22 oz + 3 qt	95	88	99	97	99	99	99	95	97	99	97	42.7	48.55	361	10.9
5	Authority Assist / Roundup Original Max + AMS 5 oz / 22 oz + 3 qt	96	86	98	99	99	99	99	93	99	99	99	41.8	47.12	355	13.5
6	IntRRo / Roundup WeatherMax + AMS 4 pt / 22 oz + 3 qt	95	90	98	98	98	99	99	93	96	97	99	42.5	48.41	360	10.2
7	Gangster / Roundup Original Max + AMS 2.4 oz / 22 oz + 3 qt	95	89	99	99	99	97	99	94	99	99	99	44.2	49.08	376	11.7
8	Prefix / Touchdown Total + AMS 2 pt / 24 oz + 3 qt	97	94	99	98	98	99	97	93	99	99	99	42.2	47.47	358	9.2
9	Boundary / Touchdown Total + AMS 1.5 pt / 24 oz + 3 qt	96	94	99	98	98	99	98	92	99	99	99	41.9	44.84	357	10.1
10	V-10233 / Roundup Original Max + AMS 3 oz / 22 oz + 3 qt	95	88	99	99	98	99	99	94	97	99	96	43.7			
11	Valor SX + Python / Roundup Original Max + AMS 2 oz + 0.5 oz / 22 oz + 3 qt	93	85	99	98	96	99	99	96	99	99	99	41.2	51.56	344	12.2
12	Valor SX + IntRRo / Roundup Original Max + AMS 2 oz + 1 pt / 22 oz + 3 qt	93	89	98	97	99	99	99	92	99	99	99	41.9	48.52	353	11.4
13	Sonic / Durango + AMS 4.5 oz / 24 oz + 3 qt	95	85	99	99	98	99	99	99	99	99	99	42.9	52.28	359	12.5
14	Enlite / Roundup Original Max + AMS 2.8 oz / 22 oz + 3 qt	94	86	98	95	99	99	99	94	99	99	97	42.2	47.93	357	11.6
15	Enlite / Roundup Original Max + Harmony + AMS 2.8 oz / 22 oz + 0.125 oz + 3 qt	92	87	99	99	99	99	99	96	97	99	99	42.3	51.89	354	14.0
<u>POST I (4-inch weeds)/POST III(Canopy)</u>																
16	Roundup WeatherMax + AMS / 22 oz + 3 qt /	98	99	99	98	99	99	99	96	99	99	96	41.4	47.58	350	13.5
17	Durango DMA + First Rate + AMS / 24 oz + 0.3 oz + 3 qt /	99	99	99	98	99	99	99	98	99	99	99	41.4	44.85	352	12.3
18	Flexstar GT + AMS / 3 pt + 3 qt /	99	99	99	99	98	99	99	99	99	99	97	42.4	59.45	348	11.6
<u>POST II (6-inch weeds)</u>																
19	Synchrony XP + Roundup Original Max + AMS 0.38oz + 22 oz + 3 qt	94	81	99	97	91	97	99	94	97	99	96	38.4	31.70	337	14.2
20	Resource + Roundup Original Max + NIS + AMS 3 oz + 22 oz + 0.25% + 3 qt	93	78	99	96	85	93	99	90	93	99	99	37.8	34.20	329	13.2
21	Cadet + Roundup Original Max + NIS + AMS 0.6 oz + 22 oz + 0.25% + 3 qt	93	80	99	93	86	95	96	88	99	96	97	38.4	35.11	334	11.9
22	Roundup WeatherMax+AMS 22 oz + 3 qt	93	85	99	95	89	97	96	92	98	96	94	38.7	28.79	343	12.7
<u>Checks</u>																
23	Weedy Check -	0	0	0	0	0	0	0	0	0	0	0	6.9	0.00	67	6.8
24	Weed Free -	100	100	100	100	100	100	100	100	100	100	100	41.5	0.00	398	12.6
LSD(0.10) 2 4 2 3 4 5 2 4 12 7 4 2.0 20																

2009 Soybean Herbicide Evaluation - Waseca

Common ragweed site

Herbicide	Rate (Product/A)	Giant foxtail	Common ragweed	Common lambsquarters	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 + 28%	1.5 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

2009 Soybean Herbicide Evaluation - Waseca
Giant ragweed site

Herbicide	Rate (Product/A)	Giant foxtail	Giant ragweec	Common lambsquarters	Yield (bu/A)	Cost ---(\$/A)---	Returns
		-----(% control)-----					
<u>Preemergence/ POST I (4-inch weeds)</u>							
Boundary / Flexstar + Fusion + Harmony GT + MSO + 28%	1.5 pt / 16 oz + 8 oz + 0.125 oz + 1% + 2.5%	97	86	93	35.0	63.54	273
Authority First / Raptor + Select + COC + 28%	6.4 oz / 4 oz + 6 oz + 1% 2.5%	99	88	99	41.7	80.30	320
Gangster / Raptor + Select + COC + 28%	3 oz / 4 oz + 6 oz + 1% 2.5%	98	81	99	38.7	70.86	300
<u>Preemergence/ POST II (6-inch weeds)</u>							
Authority First / Roundup Original Max + AM	3.2 oz / 22 oz + 3 qt	96	93	89	39.9	48.55	335
Authority Asist / Roundup Original Max + AM	5 oz / 22 oz + 3 qt	99	93	98	40.2	47.12	339
IntRRo / Roundup WeatherMax + AM	4 pt / 22 oz + 3 qt	98	89	96	42.7	48.41	361
Gangster / Roundup Original Max + AM	2.4 oz / 22 oz + 3 qt	99	89	99	43.7	49.08	371
Prefix / Touchdown Total + AM	2 pt / 24 oz + 3 qt	98	87	97	42.2	47.47	357
Boundary / Touchdown Total + AM	1.5 pt / 24 oz + 3 qt	97	86	99	41.5	44.84	353
V-10233 / Roundup Original Max + AM	3 oz / 22 oz + 3 qt	98	92	98	45.7		
Valor SX + Python / Roundup Original Max + AM	2 oz + 0.5 oz / 22 oz + 3 qt	97	94	96	41.9	51.56	351
Valor SX + IntRRo / Roundup Original Max + AM	2 oz + 1 pt / 22 oz + 3 qt	97	88	88	43.7	48.52	371
Sonic / Durango + AMS	4.5 oz / 24 oz + 3 qt	98	99	99	44.4	52.28	374
Enlite / Roundup Original Max + AM	2.8 oz / 22 oz + 3 qt	98	92	77	41.7	47.93	352
Enlite / Roundup Original Max + Harmony + AM	2.8 oz / 22 oz + 0.125 oz + 3 qt	97	97	99	43.0	51.89	361
<u>POST I (4-inch weeds)/POST III(Canopy)</u>							
Roundup WeatherMax + AMS	22 oz + 3 qt /	99	99	96	45.1	47.58	386
Roundup WeatherMax + AM	22 oz + 3 qt						
Durango DMA + First Rate + AMS	24 oz + 0.3 oz + 3 qt /	99	99	99	41.0	44.85	349
Durango DMA + AMS	24 oz + 3 qt						
Flexstar GT + AMS /	3 pt + 3 qt /	99	99	99	42.5	59.45	348
Touchdown Total + AMS	24 oz + 3 qt						
<u>POST II (6-inch weeds)</u>							
Classic + Harmony GT + Roundup Original Max + AM	0.33 oz + 22 oz + 3 qt	96	92	99	39.8	31.70	351
Resource + Roundup Original Max + NIS + AM	3 oz + 22 oz + 0.25% + 3 qt	97	91	98	42.3	34.20	372
Cadet + Roundup Original Max + NIS + AM	0.6 oz + 22 oz + 0.25% + 3 qt	92	83	80	37.1	35.11	321
Roundup WeatherMax+AMS	22 oz + 3 qt	96	88	93	37.9	28.79	335
<u>Checks</u>							
Weedy Check	-	0	0	0	11.1	0.00	106
Weed Free	-	100	100	100	41.5	0.00	398
	LSD(0.10)	3	8	13	6.3		61

2009 Soybean Herbicide Evaluation - Waseca

Common cocklebur site

Herbicide	Rate (Product/A)	Giant foxtail	Common cocklebur	Common ragweed	Yield (bu/A)	Cost ----(\$/A)----	Returns
		-----(% control)-----					
<u>Preemergence/ POST I (4-inch weeds)</u>							
Boundary / Flexstar + Fusion + Harmony GT + MSO + 28%	1.5 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%	6.4 oz / 4 oz + 6 oz + 1% 2.5%	73	43	65	34.3	80.30	249
Gangster / Raptor + Select + COC + 28%	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 + AM	3.2 oz / 22 oz + 3 q	94	97	99	38.7	48.55	323
Authority Asist / Roundup Original Max + AM	5 oz / 22 oz + 3 q	93	99	99	37.0	47.12	308
IntRRo / Roundup WeatherMax + AM	4 pt / 22 oz + 3 q	95	96	99	38.0	48.41	316
Gangster / Roundup Original Max + AM	2.4 oz / 22 oz + 3 q	93	99	96	42.7	49.08	361
Prefix / Touchdown Total + AM	2 pt / 24 oz + 3 q	97	99	99	40.0	47.47	336
Boundary / Touchdown Total + AM	1.5 pt / 24 oz + 3 q	96	99	99	38.1	44.84	321
V-10233 / Roundup Original Max + AM	3 oz / 22 oz + 3 q	96	97	99	38.8		
Valor SX + Python / Roundup Original Max + AM	2 oz + 0.5 oz / 22 oz + 3 q	94	99	99	35.9	51.56	293
Valor SX + IntRRo / Roundup Original Max + AM	2 oz + 1 pt / 22 oz + 3 q	93	99	99	38.0	48.52	317
Sonic / Durango + AMS	4.5 oz / 24 oz + 3 q	94	99	99	34.5	52.28	279
Enlite / Roundup Original Max + AM	2.8 oz / 22 oz + 3 q	94	99	99	37.2	47.93	310
Enlite / Roundup Original Max + Harmony + AM	2.8 oz / 22 oz + 0.125 oz + 3 q	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 + AM	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 + AM	0.33 oz + 22 oz + 3 q	94	97	99	35.4	31.70	308
Resource + Roundup Original Max + NIS + AM	3 oz + 22 oz + 0.25% + 3 q	90	93	90	37.5	34.20	326
Cadet + Roundup Original Max + NIS + AM	0.6 oz + 22 oz + 0.25% + 3 q	94	99	96	37.5	35.11	325
Roundup WeatherMax+AM	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

2009 Soybean Herbicide Evaluation - Waseca

Tall waterhemp site

Herbicide	Rate (Product/A)	Giant foxtail -----(% control)-----	Tall waterhemp -----	Yield (bu/A)	Cost ---(\$/A)---	Returns
<u>Preemergence/ POST I (4-inch weeds)</u>						
Boundary / Flexstar + Fusion + Harmony GT + MSO + 28%	1.5 pt / 16 oz + 8 oz + 0.125 oz + 1% + 2.5%	98	68	36.1	63.54	283
Authority First / Raptor + Select + COC + 28%	6.4 oz / 4 oz + 6 oz + 1% 2.5%	98	84	43.5	80.30	338
Gangster / Raptor + Select + COC + 28%	3 oz / 4 oz + 6 oz + 1% 2.5%	98	60	27.3	70.86	191
<u>Preemergence/ POST II (6-inch weeds)</u>						
Authority First / Roundup Original Max + AM	3.2 oz / 22 oz + 3 q	99	99	50.5	48.55	436
Authority Asist / Roundup Original Max + AM	5 oz / 22 oz + 3 q	99	99	50.3	47.12	435
IntRRo / Roundup WeatherMax + AM	4 pt / 22 oz + 3 q	99	99	49.5	48.41	427
Gangster / Roundup Original Max + AM	2.4 oz / 22 oz + 3 q	99	99	47.7	49.08	409
Prefix / Touchdown Total + AM	2 pt / 24 oz + 3 q	99	98	44.0	47.47	375
Boundary / Touchdown Total + AM	1.5 pt / 24 oz + 3 q	99	97	44.9	44.84	386
V-10233 / Roundup Original Max + AM	3 oz / 22 oz + 3 q	99	98	48.9		
Valor SX + Python / Roundup Original Max + AM	2 oz + 0.5 oz / 22 oz + 3 q	99	93	47.4	51.56	403
Valor SX + IntRRo / Roundup Original Max + AM	2 oz + 1 pt / 22 oz + 3 q	99	98	48.2	48.52	414
Sonic / Durango + AMS	4.5 oz / 24 oz + 3 q	99	99	49.2	52.28	420
Enlite / Roundup Original Max + AM	2.8 oz / 22 oz + 3 q	99	99	46.5	47.93	399
Enlite / Roundup Original Max + Harmony + AM	2.8 oz / 22 oz + 0.125 oz + 3 q	99	99	51.2	51.89	440
<u>POST I (4-inch weeds)/POST III(Canopy)</u>						
Roundup WeatherMax + AMS	22 oz + 3 qt	99	99	47.7	47.58	410
Roundup WeatherMax + AM	22 oz + 3 qt					
Durango DMA + First Rate + AMS	24 oz + 0.3 oz + 3 qt	99	99	48.8	44.85	424
Durango DMA + AMS	24 oz + 3 qt					
Flexstar GT + AMS	3 pt + 3 qt	99	97	50.5	59.45	425
Touchdown Total + AMS	24 oz + 3 qt					
<u>POST II (6-inch weeds)</u>						
Classic + Harmony GT + Roundup Original Max + AM	0.33 oz + 22 oz + 3 q	99	81	35.5	31.70	310
Resource + Roundup Original Max + NIS + AM	3 oz + 22 oz + 0.25% + 3 q	99	86	34.7	34.20	299
Cadet + Roundup Original Max + NIS + AM	0.6 oz + 22 oz + 0.25% + 3 q	99	90	44.8	35.11	395
Roundup WeatherMax+AM	22 oz + 3 qt	99	91	39.5	28.79	350
<u>Checks</u>						
Weedy Check	-	0	0	6.9	0.00	67
Weed Free	-	99	100	51.1	0.00	490
		LSD(0.10)	1	12	6.8	67

2009 Soybean Herbicide Evaluation - Lambertton

Herbicide	Rate (Product/A)	Yellow foxtail	Common Lambsquarters	Tall waterhemp	Yield (bu/A)	Cost ----(\$/A)----	Returns
		-----(% control)-----					
<u>Preemergence/ POST I (4-inch weeds)</u>							
Boundary / Flexstar + Fusion + Harmony GT + MSO + 28%	1.5 pt / 16 oz + 8 oz + 0.125 oz + 1% + 2.5%	93	99	98	48.7	63.54	404
Authority First / Raptor + Select + COC + 28%	6.4 oz / 4 oz + 6 oz + 1% 2.5%	76	98	92	47.0	80.30	371
Gangster / Raptor + Select + COC + 28%	3 oz / 4 oz + 6 oz + 1% 2.5%	81	98	93	46.3	70.86	374
<u>Preemergence/ POST II (6-inch weeds)</u>							
Authority First / Roundup Original Max + AM	3.2 oz / 22 oz + 3 q	88	99	99	47.4	48.55	406
Authority Asist / Roundup Original Max + AM	5 oz / 22 oz + 3 q	86	99	98	49.8	47.12	431
IntRRo / Roundup WeatherMax + AM	4 pt / 22 oz + 3 q	90	99	99	47.7	48.41	410
Gangster / Roundup Original Max + AM	2.4 oz / 22 oz + 3 q	89	99	99	49.2	49.08	423
Prefix / Touchdown Total + AM	2 pt / 24 oz + 3 q	94	99	98	47.6	47.47	410
Boundary / Touchdown Total + AM	1.5 pt / 24 oz + 3 q	94	99	99	50.0	44.84	435
V-10233 / Roundup Original Max + AM	3 oz / 22 oz + 3 q	88	99	98	49.1		
Valor SX + Python / Roundup Original Max + AM	2 oz + 0.5 oz / 22 oz + 3 q	85	99	96	48.5	51.56	414
Valor SX + IntRRo / Roundup Original Max + AM	2 oz + 1 pt / 22 oz + 3 q	89	99	99	46.6	48.52	399
Sonic / Durango + AM	4.5 oz / 24 oz + 3 q	85	98	97	49.8	52.28	426
Enlite / Roundup Original Max + AM	2.8 oz / 22 oz + 3 q	86	99	99	48.6	47.93	418
Enlite / Roundup Original Max + Harmony + AM	2.8 oz / 22 oz + 0.125 oz + 3 q	87	99	99	47.9	51.89	408
<u>POST I (4-inch weeds)/POST III(Canopy)</u>							
Roundup WeatherMax + AM	22 oz + 3 qt /	99	99	99	49.3	47.58	426
Roundup WeatherMax + AM	22 oz + 3 qt						
Durango DMA + First Rate + AM	24 oz + 0.3 oz + 3 qt /	99	99	99	48.2	44.85	417
Durango DMA + AM	24 oz + 3 qt						
Flexstar GT + AM /	3 pt + 3 qt /	99	99	99	47.4	59.45	395
Touchdown Total + AM	24 oz + 3 qt						
<u>POST II (6-inch weeds)</u>							
Classic + Harmony GT + Roundup Original Max + AM	0.33 oz + 22 oz + 3 q	81	98	97	50.5	31.70	453
Resource + Roundup Original Max + NIS + AM	3 oz + 22 oz + 0.25% + 3 q	78	96	76	45.6	34.20	404
Cadet + Roundup Original Max + NIS + AM	0.6 oz + 22 oz + 0.25% + 3 q	80	97	78	46.1	35.11	407
Roundup WeatherMax+AM	22 oz + 3 qt	85	97	84	49.6	28.79	447
<u>Checks</u>							
Weedy Check	-	0	0	0	3.9	0.00	38
Weed Free	-	100	100	100	46.4	0.00	445
		LSD(0.10)	4	1	4	4.1	41

2009 Soybean Herbicide Evaluation - Waseca
Common ragweed site

Herbicide	Rate (Product/A)	grass weeds	Giant ragweed	Common lambsquarters -----(% control)-----	Velvetleaf	Tall waterhemp	Yield (bu/A)	Cost ----(\$/A)----	Returns
<u>Preemergence/ POST I (4-inch weeds)</u>									
Boundary / Flexstar + Fusion + Harmony GT + MSO + 28%	1.5 pt / 16 oz + 8 oz + 0.125 oz + 1% + 2.5%	99	92	99	99	99	25.9	63.54	185
Authority First / Raptor + Select + COC + 28%	6.4 oz / 4 oz + 6 oz + 1% 2.5%	99	87	99	99	99	28.2	80.30	190
Gangster / Raptor + Select + COC + 28%	3 oz / 4 oz + 6 oz + 1% 2.5%	95	84	99	99	98	25.4	70.86	173
<u>Preemergence/ POST II (6-inch weeds)</u>									
Authority First / Roundup Original Max + AMS	3.2 oz / 22 oz + 3 q	99	97	99	99	99	35.7	48.55	294
Authority Asist / Roundup Original Max + AMS	5 oz / 22 oz + 3 q	98	94	99	99	99	34.9	47.12	288
IntRRo / Roundup WeatherMax + AMS	4 pt / 22 oz + 3 q	98	96	98	99	97	34.8	48.41	286
Gangster / Roundup Original Max + AMS	2.4 oz / 22 oz + 3 q	99	98	99	99	99	36.4	49.08	300
Prefix / Touchdown Total + AMS	2 pt / 24 oz + 3 q	99	99	99	98	99	34.6	47.47	284
Boundary / Touchdown Total + AMS	1.5 pt / 24 oz + 3 q	99	97	98	99	99	36.7	44.84	307
V-10233 / Roundup Original Max + AMS	3 oz / 22 oz + 3 q	99	96	99	99	99	35.9		
Valor SX + Python / Roundup Original Max + AMS	2 oz + 0.5 oz / 22 oz + 3 q	99	97	98	99	99	34.6	51.56	280
Valor SX + IntRRo / Roundup Original Max + AMS	2 oz + 1 pt / 22 oz + 3 q	98	97	99	99	99	35.6	48.52	293
Sonic / Durango + AMS	4.5 oz / 24 oz + 3 q	99	99	99	99	99	34.5	52.28	279
Enlite / Roundup Original Max + AMS	2.8 oz / 22 oz + 3 q	98	97	99	99	99	34.3	47.93	281
Enlite / Roundup Original Max + Harmony + AMS	2.8 oz / 22 oz + 0.125 oz + 3 q	99	95	99	99	99	30.3	51.89	239
<u>POST I (4-inch weeds)/POST III(Canopy)</u>									
Roundup WeatherMax + AMS	22 oz + 3 qt /	99	93	97	99	99	32.2	47.58	262
Roundup WeatherMax + AMS	22 oz + 3 qt								
Durango DMA + First Rate + AMS	24 oz + 0.3 oz + 3 qt	99	98	95	99	99	32.4	44.85	266
Durango DMA + AMS	24 oz + 3 qt								
Flexstar GT + AMS /	3 pt + 3 qt /	99	98	99	99	99	32.9	59.45	256
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 q	99	95	93	99	97	27.5	31.70	232
Resource + Roundup Original Max + NIS + AMS	3 oz + 22 oz + 0.25% + 3 q	99	90	94	98	93	29.8	34.20	252
Cadet + Roundup Original Max + NIS + AMS	0.6 oz + 22 oz + 0.25% + 3 q	99	93	93	99	92	29.3	35.11	246
Roundup WeatherMax+AMS	22 oz + 3 qt	99	95	94	99	93	32.8	28.79	286
<u>Checks</u>									
Weedy Check	-	0	0	0	0	0	3.5	0.00	33
Weed Free	-	100	100	100	100	100	33.4	0.00	320
	LSD(0.10)	2	3	2	1	2	3.6		35

2009 Soybean Herbicide Evaluation - Morris

Herbicide	Rate (Product/A)	Common	Yield (bu/A)	Cost ----(\$/A)----	Returns
		Lambsquarters ----(% control)---			
<u>Preemergence/ POST I (4-inch weeds)</u>					
Boundary / Flexstar + Fusion + Harmony GT + MSO + 28%	1.5 pt / 16 oz + 8 oz + 0.125 oz + 1% + 2.5%	100	40.7	63.54	327
Authority First / Raptor + Select + COC + 28%	6.4 oz / 4 oz + 6 oz + 1% 2.5%	96	39.9	80.30	302
Gangster / Raptor + Select + COC + 28%	3 oz / 4 oz + 6 oz + 1% 2.5%	99	38.2	70.86	296
<u>Preemergence/ POST II (6-inch weeds)</u>					
Authority First / Roundup Original Max + AM	3.2 oz / 22 oz + 3 q	96	42.0	48.55	355
Authority Asist / Roundup Original Max + AM	5 oz / 22 oz + 3 q	100	38.1	47.12	319
IntRRo / Roundup WeatherMax + AM	4 pt / 22 oz + 3 q	100	42.7	48.41	362
Gangster / Roundup Original Max + AM	2.4 oz / 22 oz + 3 q	100	44.7	49.08	380
Prefix / Touchdown Total + AM	2 pt / 24 oz + 3 q	96	41.3	47.47	349
Boundary / Touchdown Total + AM	1.5 pt / 24 oz + 3 q	97	40.3	44.84	342
V-10233 / Roundup Original Max + AM	3 oz / 22 oz + 3 q	100	45.0		
Valor SX + Python / Roundup Original Max + AM	2 oz + 0.5 oz / 22 oz + 3 q	100	39.8	51.56	331
Valor SX + IntRRo / Roundup Original Max + AM	2 oz + 1 pt / 22 oz + 3 q	100	43.7	48.52	371
Sonic / Durango + AM	4.5 oz / 24 oz + 3 q	100	48.6	52.28	414
Enlite / Roundup Original Max + AM	2.8 oz / 22 oz + 3 q	100	46.3	47.93	397
Enlite / Roundup Original Max + Harmony + AM	2.8 oz / 22 oz + 0.125 oz + 3 q	100	46.7	51.89	396
<u>POST I (4-inch weeds)/POST III(Canopy)</u>					
Roundup WeatherMax + AMS	22 oz + 3 qt /	100	41.5	47.58	351
Roundup WeatherMax + AM	22 oz + 3 qt				
Durango DMA + First Rate + AMS	24 oz + 0.3 oz + 3 qt /	98	42.3	44.85	361
Durango DMA + AMS	24 oz + 3 qt				
Flexstar GT + AMS /	3 pt + 3 qt /	98	45.3	59.45	375
Touchdown Total + AMS	24 oz + 3 qt				
<u>POST II (6-inch weeds)</u>					
Classic + Harmony GT + Roundup Original Max + AM	0.33 oz + 22 oz + 3 q	97	39.6	31.70	349
Resource + Roundup Original Max + NIS + AM	3 oz + 22 oz + 0.25% + 3 q	100	32.6	34.20	279
Cadet + Roundup Original Max + NIS + AM	0.6 oz + 22 oz + 0.25% + 3 q	96	34.6	35.11	297
Roundup WeatherMax+AM	22 oz + 3 qt	94	34.7	28.79	304
<u>Checks</u>					
Weedy Check	-	0	10.6	0.00	102
Weed Free	-	100	40.3	0.00	386
		LSD(0.10)	3	7.0	66