

2014 Soybean Herbicide Evaluation
Average across locations

Herbicide	Rate	Pre						Final						
		Fxt. Spp.	Corw	Colq	Vele	Girw	Amaranth	Fxt. Spp.	Corw	colq	Vele	Girw	Amaranth	
		3	1	3	1	1	3	1	3	1	1	3		
<u>Preemergence/ POST II (4-inch weeds)</u>	<u>(Product/A)</u>	% control												
1 Authority First / Roundup PowerMax + AMS	6.4 oz / 32 oz + 3 qt	90	95	98	95	89	98	96	95	98	95	97	98	
2 Authority First / Anthem + Roundup PowerMax + AMS	6.4 oz / 8 oz + 32 oz + 3 qt	91	88	97	95	91	98	97	95	98	95	97	98	
3 Boundary / Flexstar GT 3.5 + MSO + AMS	1.5 pt / 3.5 pt + 0.5% + 3 qt	96	85	98	95	33	97	97	95	98	95	98	98	
4 Dual II Magnum / Flexstar GT 3.5 + MSO + AMS	2 pt / 3.5 pt + 0.5% + 3 qt	97	58	95	95	0	97	98	95	97	95	98	98	
5 Gangster / Roundup PowerMax + AMS	2.4 oz / 32 oz + 3 qt	88	89	98	95	87	98	97	95	98	95	97	98	
6 Fierce / Roundup PowerMax + AMS	3 oz / 32 oz + 3 qt	97	78	98	95	83	98	97	91	98	95	96	98	
7 Valor SX / Roundup PowerMax + AMS	3 oz / 32 oz + 3 qt	93	89	98	95	82	98	97	91	98	95	98	98	
8 Fierce + Classic / Roundup PowerMax + AMS	3 oz + .33 oz / 32 oz + 3 qt	95	76	98	95	74	97	97	95	98	95	95	98	
9 Optill Pro / Roundup PowerMax + NIS + AMS	12 oz / 32 oz + .25% + 3 qt	94	91	98	95	80	98	96	95	98	95	96	97	
10 Verdict + Outlook / Roundup PowerMax + NIS + AMS	5 oz + 10 oz / 32 oz + 0.25% + 3 qt	96	79	97	95	75	97	97	95	96	95	87	97	
11 Zidua + Verdict / Roundup PowerMax + NIS + AMS	2 oz + 5 oz / 32 oz + 0.25% + 3 qt	97	74	97	95	63	97	97	91	96	95	87	97	
12 Sonic / Durango DMA + AMS	3 oz / 32 oz + 3 qt	74	73	98	95	76	97	97	95	98	95	92	98	
13 Sonic / Durango DMA + AMS	4.5 oz / 32 oz + 3 qt	87	80	98	95	82	98	97	95	98	95	96	98	
14 Sonic / Durango DMA + First Rate + AMS	3 oz / 32 oz + 0.3 oz + 3 qt	89	75	98	95	70	98	97	95	98	95	98	98	
15 Enlite / Abundit Extra + AMS	2.8 oz / 32 oz + 3 qt	89	91	98	95	70	97	96	91	98	95	97	98	
16 Enlite / Abundit Extra + Harmony SG + AMS	2.8 oz / 32 oz + 0.125 oz + 3 qt	91	88	98	95	76	98	96	95	98	95	95	98	
17 Warrant / Roundup WeatherMax + AMS	3 pt + 32 oz + 3 qt	85	53	95	95	15	96	97	90	97	95	94	98	
<u>Preemergence/ POST I (2-inch weeds)</u>														
18 Valor SX / Warrant + Roundup PowerMax + AMS	2 oz / 3 pt + 32 oz + 3 qt	83	70	97	95	55	98	97	95	97	95	91	95	
<u>POST II (4-inch weeds)</u>														
19 Dual II Magnum + Flexstar GT 3.5 + NIS + AMS	10 oz + 3.5 pt + 0.25% + 3 qt	0	0	0	0	0	0	97	63	90	83	97	90	
<u>POST I (2-inch weeds)/POST III(Canopy)</u>														
20 Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	32 oz + 3 qt / 32 oz + 3 qt	0	0	0	0	0	0	97	95	97	95	98	98	
21 Synchrony + Abundit Extra + AMS / Abundit Extra + AMS	0.375 oz + 32 oz + 3 qt / 32 oz + 3 qt	0	0	0	0	0	0	97	95	97	95	98	97	
22 Roundup PowerMax + Cobra + COC + AMS / Roundup PowerMax + AMS	32 oz + 12.5 oz + 1 pt + 3 qt / 32 oz 3 qt	0	0	0	0	0	0	96	95	97	95	98	97	
<u>Checks</u>														
23 Weedy Check	-	0	0	0	0	0	0	0	0	0	0	0	0	
24 Weed Free	-	99	100	99	100	99	99	100	100	100	100	100	100	
	LSD(0.10)	6	10	1	1	10	1		1	4	2	4	3	2

2014 Soybean Herbicide Evaluation - Lambertton

Herbicide	Rate	Pre			Final		
		Fxt. Spp.	Amaranth	Colq	Fxt. Spp.	Amaranth	Colq
<u>Preemergence/ POST II (4-inch weeds)</u>		<u>(Product/A)</u>					
		<u>% control</u>					
1	Authority First / Roundup PowerMax + AMS	6.4 oz / 32 oz + 3 qt	86	99	99	99	99
2	Authority First / Anthem + Roundup PowerMax + AMS	6.4 oz / 8 oz + 32 oz + 3 qt	89	99	99	99	99
3	Boundary / Flexstar GT 3.5 + MSO + AMS	1.5 pt / 3.5 pt + 0.5% + 3 qt	97	98	99	98	99
4	Dual II Magnum / Flexstar GT 3.5 + MSO + AMS	2 pt / 3.5 pt + 0.5% + 3 qt	99	99	97	99	99
5	Gangster / Roundup PowerMax + AMS	2.4 oz / 32 oz + 3 qt	89	99	99	99	99
6	Fierce / Roundup PowerMax + AMS	3 oz / 32 oz + 3 qt	99	99	99	99	99
7	Valor SX / Roundup PowerMax + AMS	3 oz / 32 oz + 3 qt	90	99	99	99	99
8	Fierce + Classic / Roundup PowerMax + AMS	3 oz + .33 oz / 32 oz + 3 qt	96	98	99	99	99
9	Optill Pro / Roundup PowerMax + NIS + AMS	12 oz / 32 oz + .25% + 3 qt	98	99	99	99	99
10	Verdict + Outlook / Roundup PowerMax + NIS + AMS	5 oz + 10 oz / 32 oz + 0.25% + 3 qt	96	99	99	99	99
11	Zidua + Verdict / Roundup PowerMax + NIS + AMS	2 oz + 5 oz / 32 oz + 0.25% + 3 qt	98	99	98	99	99
12	Sonic / Durango DMA + AMS	3 oz / 32 oz + 3 qt	69	99	99	99	99
13	Sonic / Durango DMA + AMS	4.5 oz / 32 oz + 3 qt	76	99	99	99	99
14	Sonic / Durango DMA + First Rate + AMS	3 oz / 32 oz + 0.3 oz + 3 qt	88	99	99	99	99
15	Enlite / Abundit Extra + AMS	2.8 oz / 32 oz + 3 qt	81	99	99	99	99
16	Enlite / Abundit Extra + Harmony SG + AMS	2.8 oz / 32 oz + 0.125 oz + 3 qt	87	99	99	99	99
17	Warrant / Roundup WeatherMax + AMS	3 pt + 32 oz + 3 qt	68	95	95	99	99
<u>Preemergence/ POST I (2-inch weeds)</u>							
18	Valor SX / Warrant + Roundup PowerMax + AMS	2 oz / 3 pt + 32 oz + 3 qt	68	99	99	99	99
<u>POST II (4-inch weeds)</u>							
19	Dual II Magnum + Flexstar GT 3.5 + NIS + AMS	10 oz + 3.5 pt + 0.25% + 3 qt	0	0	0	99	98
<u>POST I (2-inch weeds)/POST III(Canopy)</u>							
20	Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	32 oz + 3 qt / 32 oz + 3 qt	0	0	0	99	99
21	Synchrony + Abundit Extra + AMS / Abundit Extra + AMS	0.375 oz + 32 oz + 3 qt / 32 oz + 3 qt	0	0	0	99	98
22	Roundup PowerMax + Cobra + COC + AMS / Roundup PowerMax + AMS	32 oz + 12.5 oz + 1 pt + 3 qt / 32 oz 3 qt	0	0	0	99	99
<u>Checks</u>							
23	Weedy Check	-	0	0	0	0	0
24	Weed Free	-	99	99	99	99	99
LSD(0.10)			16	1	1	1	1

2014 Soybean Herbicide Evaluation - Rochester

Herbicide	Rate	Pre				Final			
		Gift	Tawh	Colq	Girw	Gift	Tawh	Colq	Girw
<u>Preemergence/ POST II (4-inch weeds)</u>						<u>(Product/A)</u>			
						<u>% control</u>			
1	Authority First / Roundup PowerMax + AMS	94	99	99	89	98	99	99	97
2	Authority First / Anthem + Roundup PowerMax + AMS	98	99	99	91	98	99	99	97
3	Boundary / Flexstar GT 3.5 + MSO + AMS	99	98	99	33	99	99	99	98
4	Dual II Magnum / Flexstar GT 3.5 + MSO + AMS	97	98	94	0	99	99	98	98
5	Gangster / Roundup PowerMax + AMS	98	99	99	87	97	99	99	97
6	Fierce / Roundup PowerMax + AMS	99	99	99	83	98	99	99	96
7	Valor SX / Roundup PowerMax + AMS	98	99	99	82	98	99	99	98
8	Fierce + Classic / Roundup PowerMax + AMS	98	99	99	74	98	99	99	95
9	Optill Pro / Roundup PowerMax + NIS + AMS	99	99	99	80	95	97	99	96
10	Verdict + Outlook / Roundup PowerMax + NIS + AMS	99	98	97	75	96	96	95	87
11	Zidua + Verdict / Roundup PowerMax + NIS + AMS	98	98	98	63	96	98	93	87
12	Sonic / Durango DMA + AMS	93	98	99	76	97	99	99	92
13	Sonic / Durango DMA + AMS	98	99	99	82	97	99	99	96
14	Sonic / Durango DMA + First Rate + AMS	96	99	99	70	98	99	99	98
15	Enlite / Abundit Extra + AMS	98	98	99	70	97	99	99	97
16	Enlite / Abundit Extra + Harmony SG + AMS	98	99	99	76	95	99	99	95
17	Warrant / Roundup WeatherMax + AMS	96	98	95	15	97	99	96	94
<u>Preemergence/ POST I (2-inch weeds)</u>									
18	Valor SX / Warrant + Roundup PowerMax + AMS	98	99	98	55	98	99	98	91
<u>POST II (4-inch weeds)</u>									
19	Dual II Magnum + Flexstar GT 3.5 + NIS + AMS	0	0	0	0	98	99	98	97
<u>POST I (2-inch weeds)/POST III(Canopy)</u>									
20	Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	0	0	0	0	96	99	98	98
21	Synchrony + Abundit Extra + AMS / Abundit Extra + AMS	0	0	0	0	96	98	99	98
22	Roundup PowerMax + Cobra + COC + AMS / Roundup PowerMax + AMS	0	0	0	0	95	98	97	98
<u>Checks</u>									
23	Weedy Check	0	0	0	0	0	0	0	0
24	Weed Free	99	99	99	99	100	100	100	100
LSD(0.10)		3	1	2	10	2	1	1	3

2014 Soybean Herbicide Evaluation - Waseca

Herbicide	Rate	Gift	Pre				Amaranth	Final				
			Corw	Colq	Vele	Gift		Corw	Colq	Vele	Amaranth	
<u>Preemergence/ POST II (4-inch weeds)</u>							% control					
(Product/A)												
1	Authority First / Roundup PowerMax + AMS	6.4 oz / 32 oz + 3 qt	90	95	95	95	95	93	95	95	95	95
2	Authority First / Anthem + Roundup PowerMax + AMS	6.4 oz / 8 oz + 32 oz + 3 qt	88	88	93	95	95	95	95	95	95	95
3	Boundary / Flexstar GT 3.5 + MSO + AMS	1.5 pt / 3.5 pt + 0.5% + 3 qt	91	85	95	95	95	95	95	95	95	95
4	Dual II Magnum / Flexstar GT 3.5 + MSO + AMS	2 pt / 3.5 pt + 0.5% + 3 qt	95	58	95	95	95	95	95	95	95	95
5	Gangster / Roundup PowerMax + AMS	2.4 oz / 32 oz + 3 qt	76	89	95	95	95	95	95	95	95	95
6	Fierce / Roundup PowerMax + AMS	3 oz / 32 oz + 3 qt	92	78	95	95	95	95	91	95	95	95
7	Valor SX / Roundup PowerMax + AMS	3 oz / 32 oz + 3 qt	90	89	95	95	95	95	91	95	95	95
8	Fierce + Classic / Roundup PowerMax + AMS	3 oz + .33 oz / 32 oz + 3 qt	91	76	95	95	95	95	95	95	95	95
9	Optill Pro / Roundup PowerMax + NIS + AMS	12 oz / 32 oz + .25% + 3 qt	85	91	95	95	95	95	95	95	95	95
10	Verdict + Outlook / Roundup PowerMax + NIS + AMS	5 oz + 10 oz / 32 oz + 0.25% + 3 qt	93	79	95	95	95	95	95	95	95	95
11	Zidua + Verdict / Roundup PowerMax + NIS + AMS	2 oz + 5 oz / 32 oz + 0.25% + 3 qt	94	74	95	95	95	95	91	95	95	95
12	Sonic / Durango DMA + AMS	3 oz / 32 oz + 3 qt	60	73	95	95	95	95	95	95	95	95
13	Sonic / Durango DMA + AMS	4.5 oz / 32 oz + 3 qt	88	80	95	95	95	95	95	95	95	95
14	Sonic / Durango DMA + First Rate + AMS	3 oz / 32 oz + 0.3 oz + 3 qt	83	75	95	95	95	95	95	95	95	95
15	Enlite / Abundit Extra + AMS	2.8 oz / 32 oz + 3 qt	87	91	95	95	95	91	91	95	95	95
16	Enlite / Abundit Extra + Harmony SG + AMS	2.8 oz / 32 oz + 0.125 oz + 3 qt	89	88	95	95	95	95	95	95	95	95
17	Warrant / Roundup WeatherMax + AMS	3 pt + 32 oz + 3 qt	91	53	95	95	95	95	90	95	95	95
<u>Preemergence/ POST I (2-inch weeds)</u>												
18	Valor SX / Warrant + Roundup PowerMax + AMS	2 oz / 3 pt + 32 oz + 3 qt	84	70	95	95	95	95	95	95	95	86
<u>POST II (4-inch weeds)</u>												
19	Dual II Magnum + Flexstar GT 3.5 + NIS + AMS	10 oz + 3.5 pt + 0.25% + 3 qt	0	0	0	0	0	95	63	73	83	74
<u>POST I (2-inch weeds)/POST III(Canopy)</u>												
20	Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	32 oz + 3 qt / 32 oz + 3 qt	0	0	0	0	0	95	95	95	95	95
21	Synchrony + Abundit Extra + AMS / Abundit Extra + AMS	0.375 oz + 32 oz + 3 qt / 32 oz + 3 qt	0	0	0	0	0	95	95	95	95	95
22	Roundup PowerMax + Cobra + COC + AMS / Roundup PowerMax + AMS	32 oz + 12.5 oz + 1 pt + 3 qt / 32 oz 3 qt	0	0	0	0	0	95	95	95	95	95
<u>Checks</u>												
23	Weedy Check	-	0	0	0	0	0	0	0	0	0	0
24	Weed Free	-	100	100	100	100	100	100	100	100	100	100
	LSD(0.10)		10	10	1	1	1	2	4	6	4	6