

2013 Soybean Herbicide Evaluation

Combined data from Lamberton, Rochester and Waseca, MN

Herbicide	Rate	Pre Rating just before POST treatment							Final late summer/fall rating							Yield	cost	returns	S.E. returns
		2 Foxtail	1 Corw	2 Colq	1 Girw	1 Tawh	1 Vele	1 Rrpw	3 Foxtail	1 Corw	3 colq	1 Girw	2 Tawh	1 Vele	1 Rrpw				
Preemergence/ POST II (4-inch weeds)	(Product/A)	% control														bu/A	\$/A		
1 Authority First / Roundup PowerMax + AMS	6.4 oz / 32 oz + 3 qt	80	98	87	70	75	98	98	99	99	99	96	100	99	99	49.9	68.71	555	35.5
2 Boundary / Flexstar GT 3.5 + MSO + AMS	1.5 pt / 3.5 pt + 0.5% + 3 qt	85	53	98	13	78	95	95	99	99	99	96	99	99	99	48.1	66.82	534	39.8
3 Boundary / Touchdown Total + AMS	1.5 pt / 28 oz + 3 qt	98	97	98	13	100	96	96	99	99	97	91	99	99	99	49.1	50.92	562	37.2
4 Gangster / Roundup PowerMax + AMS	2.4 oz / 32 oz + 3 qt	78	95	99	81	100	96	95	99	99	99	96	99	99	99	48.7	56.47	552	30.7
5 Fierce / Roundup PowerMax + AMS	3 oz / 32 oz + 3 qt	96	96	99	41	100	97	97	99	99	99	94	100	99	99	49.9	55.36	568	36.6
6 Valor SX / Roundup PowerMax + AMS	3 oz / 32 oz + 3 qt	75	65	86	50	75	95	95	99	99	99	95	100	99	99	47.4	55.02	537	21.4
7 Fierce + Classic / Roundup PowerMax + AMS	3 oz + .33 oz / 32 oz + 3 qt	72	95	86	65	75	96	87	99	99	99	93	99	99	99	50.2	60.60	567	28.4
8 Optill Pro / Roundup PowerMax + NIS + AMS	12 oz / 32 oz + .25% + 3 qt	98	96	99	63	78	94	96	99	99	99	96	98	99	99	48.7	57.54	551	36.7
9 Verdict + Outlook / Roundup PowerMax + NIS + AMS	5 oz + 10 oz / 32 oz + 0.25% + 3 qt	86	60	78	52	100	95	95	99	99	95	93	98	99	99	48.8	56.51	553	34.6
10 Zidua + Verdict / Roundup PowerMax + NIS + AMS	2 oz + 5 oz / 32 oz + 0.25% + 3 qt	96	95	86	55	75	95	95	99	99	98	95	100	99	99	49.8	61.07	561	31.0
11 Sonic / Durango DMA + AMS	3 oz / 24 oz + 3 qt	48	96	98	63	98	98	98	99	99	99	94	99	99	99	49.7	49.50	571	22.0
12 Sonic / Durango DMA + AMS	4.5 oz / 24 oz + 3 qt	59	95	98	62	100	97	96	99	99	99	96	99	99	99	49.1	56.68	558	32.4
13 Enlite / Abundit Extra + AMS	2.8 oz / 32 oz + 3 qt	55	95	98	60	100	96	96	99	99	99	91	99	99	99	51.6	53.00	592	33.4
14 Enlite / Abundit S + Harmony SG + AMS	2.8 oz / 32 oz + 0.125 oz + 3 qt	53	63	81	60	100	63	63	99	99	99	94	99	99	99	48.1	57.36	544	32.3
15 Warrant / Roundup WeatherMax + AMS	3 pt + 22 oz + 3 qt	87	65	80	0	100	68	63	99	99	99	92	99	99	99	50.8	51.07	584	29.2
Preemergence/ POST I (2-inch weeds)		% control														bu/A	\$/A		
16 Valor SX / Warrant + Roundup PowerMax + AMS	2 oz / 3 pt + 32 oz + 3 qt	65	95	97	91	100	96	97	99	99	98	80	100	99	99	47.8	62.98	534	42.5
POST I (2-inch weeds)		% control														bu/A	\$/A		
17 Marvel + Roundup PowerMax + NIS + AMS	6 oz + 32 oz + 0.25% + 3 qt	0	0	0	89	0	0	0	99	99	90	78	97	99	99	44.5	41.98	514	43.4
POST I (2-inch weeds)/POST III(Canopy)		% control														bu/A	\$/A		
18 Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	32 oz + 3 qt / 32 oz + 3 qt	0	0	0	86	0	0	0	99	99	99	99	99	98	94	48.6	54.03	553	31.5
19 Durango DMA + First Rate + AMS / Durango DMA + AMS	24 oz + 0.3 oz + 3 qt / 24 oz + 3 qt	0	0	0	88	0	0	0	99	99	99	99	98	99	99	51.3	57.75	583	29.2
20 Flexstar GT 3.5 + MSO + AMS / Touchdown Total + AMS	3.5 pt + 0.5% + 3 qt / 28 oz + 3 qt	0	0	0	90	0	0	0	99	99	99	99	100	99	99	48.6	64.55	543	32.6
21 Synchrony + Abundit Extra + AMS / Abundit Extra + AMS	0.375 oz + 32 oz + 3 qt / 32 oz + 3 qt	0	0	0	80	0	0	0	99	99	97	98	99	99	99	49.6	52.35	568	25.9
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	90	0	0	0	99	99	96	98	99	99	97	46.8	71.57	513	33.2
Checks		% control														bu/A	\$/A		
23 Weedy Check	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.4	0.00	393	63.4
24 Weed Free	-	100	99	100	100	100	99	99	100	99	100	100	100	99	99	49.5	0.00	619	25.5
	LSD(0.10)	13	6	12	6	29	3	5	1	1	1	3	1	1	3	3.2		39	

Grey = Not Equivalent to Weed Free Controls

Treatment costs per acre included herbicide, adjuvant, application and technology fees (when applicable)  
 Costs ranged from \$41.98 - \$71.57 with average cost of \$57.36

# Returns vs SE Returns for Soybean Treatments 2013

