

1999 Soybean Herbicide Evaluation - Lambertton

Herbicide	Rate	Yeft	Colq	Yield	Cost	Price	Income Herbicide	Income Weedy Check	Average
	(pt/A)	--(% control)--		(bu/A)	(\$/A)	(\$/bu)	(\$/A)	(\$/A)	(\$/A)
PPI 2X									
Pursuit Plus	2.5	91	98	46.7	\$20.58	\$5.14	\$219.46	121	106
Treflan + First Rate	1.5 + 0.6 oz	80	97	42.2	\$28.63	\$5.14	\$188.28	90	
<u>PPI 2X / Postemergence (4-inch weeds)</u>									
Treflan / Pursuit + COC + 28%	1.5 / 2 oz + 1.25% + 1.25%	96	98	48.9	\$27.68	\$5.14	\$223.67	125	118
Treflan / Pursuit + COC + 28%	1.5 / 4 oz + 1.25% + 1.25%	98	98	50.3	\$34.75	\$5.14	\$223.79	125	
Treflan / Galaxy + 28%	1.5 / 2 + 2.5%	86	98	46.9	\$36.22	\$5.14	\$204.85	106	
Treflan / Pursuit + Cobra + COC + 28%	1.5 / 3 oz + 4 oz + 1.25% + 1.25%	97	98	48.8	\$35.42	\$5.14	\$215.41	117	
Command / Pursuit + COC + 28%	1.5 / 2 oz + 1.25% + 1.25%	95	98	52.6	\$36.73	\$5.14	\$233.63	135	
Pursuit Plus / Roundup Ultra + NIS + AMS	2.5 / 1.5 + 2.5lb	98	98	51.1	\$40.86	\$5.14	\$221.79	123	
Treflan / Roundup Ultra	1.5 / 1.5	97	97	49.4	\$32.85	\$5.14	\$221.07	122	
Treflan / First Rate + Pinnacle + NIS +28%	1.5 / 0.3 oz + 1/8 oz + 0.125% + 2.5%	85	98	43.5	\$33.28	\$5.14	\$190.31	92	
Treflan / Raptor + COC + 28%	1.5 / 4 oz + 1.25% + 1.25%	98	98	50.9	\$42.38	\$5.14	\$219.25	121	
Treflan / Pursuit + First Rate + COC + 28%N	1.5 / 2 oz + 0.3 oz + 1.25% + 2.5%	97	97	48.1	\$36.55	\$5.14	\$210.68	112	
Treflan / Pursuit + Flexstar + COC + 28%	1.5 / 2 oz + 12 oz + 1.25% + 1.25%	97	98	49.0	\$32.68	\$5.14	\$219.18	120	
Weedy Check	-	0	0	19.2	\$0.00	\$5.14	\$98.69	0	
<u>PPI 2X / Postemergence (4-inch weeds) + cultivation</u>									
Treflan / Pursuit + COC + 28%	1.5 / 2 oz + 1.25% + 1.25%	98	98	52.2	\$32.68	\$5.14	\$235.63	137	123
Treflan / Pursuit + COC + 28%	1.5 / 4 oz + 1.25% + 1.25%	98	98	51.0	\$39.75	\$5.14	\$222.39	124	
Treflan / Galaxy+ 28% N	1.5 / 2 + 2.5%	94	97	48.2	\$41.22	\$5.14	\$206.53	108	
Weed-Free	-	100	99	54.5	\$0.00	\$5.14	\$280.13	181	
<u>Preemergence / Postemergence (4-inch weeds)</u>									
Turbo Magnum / Roundup Ultra + AMS	1 / 1.5 + 2.5 lb	97	98	52.0		\$5.14			117
Lasso MT / Roundup Ultra + AMS	4 / 1.5 + 2.5 lb	97	98	51.1	\$36.74	\$5.14	\$225.91	127	
Command / Roundup Ultra+ AMS	2 / 1.5 + 2.5 lb	98	98	53.1	\$40.94	\$5.14	\$231.99	133	
Authority / Roundup Ultra + AMS	3 oz / 1.5 + 2.5 lb	94	98	52.4	\$39.87	\$5.14	\$229.47	131	
USA 1999 / Roundup Ultra + AMS	10.7 oz / 1.5 + 2.5 lb	97	98	53.6		\$5.14			
Frontier / Result + Blazer + 28%N	20 oz / 3.6 +10 oz + 2	94	97	50.3	\$50.35	\$5.14	\$208.19	110	
Authority / Synchrony STS + Assure II + NIS + 28%N	4.5 oz / 0.25 oz + 8 oz + 0.25% + 4	80	96	47.4	\$45.78	\$5.14	\$197.86	99	
Authority / Classic + First Rate + Assure II + COC + 28%N	4.5 oz / 0.33 oz + 0.15 oz + 8 oz + 0.25% + 4	89	97	49.1	\$51.53	\$5.14	\$200.84	102	
<u>Postemergence (4-inch weeds)</u>									
Raptor + COC + 28%	5 oz + 1.25% + 1.25%	95	98	50.9	\$34.58	\$5.14	\$227.05	128	134
Frontier / Roundup Ultra + AMS	20 oz / 1.5 + 2.5 lb	98	98	53.2	\$38.58	\$5.14	\$234.87	136	
Select + Cobra + First Rate + COC + AMS	8 oz + 6 oz + 0.3 oz + 1 + 2.5 lb	91	94	47.2	\$32.27	\$5.14	\$210.34	112	
Roundup Ultra + Classic	1.5 + 0.33 oz	93	97	51.5	\$23.34	\$5.14	\$241.37	143	
Touchdown 5 + AMS	1.6 + 2.5 lb	97	98	49.6		\$5.14			
Roundup Ultra	2 + 2.5 lb	98	98	53.1	\$22.95	\$5.14	\$249.98	151	
<u>Postemergence (4-inch weeds / 4-inch regrowth)</u>									
Roundup Ultra / Roundup Ultra	1.5 + 2.5 lb / 1.5 + 2.5 lb	98	98	54.2	\$34.05	\$5.14	\$244.54	146	148
Roundup Ultra / Roundup Ultra	12 oz + 2.5 lb / 20 oz + 2.5 lb	98	98	54.0	\$28.70	\$5.14	\$248.86	150	
<u>Postemergence (4-inch weeds)</u>									
Roundup Ultra + Pursuit + NIS + AMS	1 + 4 oz + 0.25% + 2.5 lb	97	98	52.2	\$32.66	\$5.14	\$235.65	137	133
Weed-Free	-	99	99	51.7		\$5.14	\$265.74		
Rezult + Flexstar + COC + 28%	3.6 + 12 oz + 1 + 2	89	97	48.8	\$36.27	\$5.14	\$214.56	116	
Pursuit + COC + 28%	4 oz + 1.25% + 1.25%	97	97	51.8	\$21.43	\$5.14	\$244.82	146	
<u>Postemergence (4-inch weeds) + cultivation</u>									
Rezult + Flexstar + COC + 28%	3.6 + 12 oz + 1 + 2	96	98	51.9	\$41.27	\$5.14	\$225.50	127	128
Pursuit + COC + 28%	4 oz + 1.25% + 1.25%	98	98	49.3	\$26.43	\$5.14	\$226.97	128	
	LSD(0.10)	3	2	4.1					

1999 Soybean Herbicide Evaluation - Morris

Herbicide	Rate	Yield	Cost	Price	Income Herbicide	Income Weedy Check	Average
	(pt/A)	(bu/A)	(\$/A)	(\$/bu)	(\$/A)	(\$/A)	(\$/A)
PPI 2X							
Pursuit Plus	2.5	59.7	\$20.58	\$5.14	\$286.05	263	250
Treflan + First Rate	1.5 + 0.6 oz	56.1	\$28.63	\$5.14	\$259.57	236	
<u>PPI 2X / Postemergence (4-inch weeds)</u>							
Treflan / Pursuit + COC + 28%	1.5 / 2 oz + 1.25% + 1.25%	63.6	\$27.68	\$5.14	\$299.18	276	231
Treflan / Pursuit + COC + 28%	1.5 / 4 oz + 1.25% + 1.25%	59.4	\$34.75	\$5.14	\$270.44	247	
Treflan / Galaxy + 28%	1.5 / 2 + 2.5%	54.1	\$36.22	\$5.14	\$241.72	218	
Treflan / Pursuit + Cobra + COC + 28%	1.5 / 3 oz + 4 oz + 1.25% + 1.25%	59.6	\$35.42	\$5.14	\$270.84	248	
Command / Pursuit + COC + 28%	1.5 / 2 oz + 1.25% + 1.25%	63.8	\$36.73	\$5.14	\$291.11	268	
Pursuit Plus / Roundup Ultra + AMS	2.5 / 1.5 + 2.5lb	58.8	\$40.86	\$5.14	\$261.50	238	
Treflan / Roundup Ultra	1.5 / 1.5	61.4	\$32.85	\$5.14	\$282.58	259	
Treflan / First Rate + Pinnacle + NIS +28%	1.5 / 0.3 oz + 1/8 oz + 0.125% + 2.5%	56.3	\$33.28	\$5.14	\$256.35	233	
Treflan / Raptor + COC + 28%	1.5 / 4 oz + 1.25% + 1.25%	53.0	\$42.38	\$5.14	\$230.18	207	
Treflan / Pursuit + First Rate + COC + 28%N	1.5 / 2 oz + 0.3 oz + 1.25% + 2.5%	28.9	\$36.55	\$5.14	\$112.18	89	
Treflan / Pursuit + Flexstar + COC + 28%	1.5 / 2 oz + 12 oz + 1.25% + 1.25%	61.9	\$32.68	\$5.14	\$285.32	262	
Weedy Check	-	4.5	\$0.00	\$5.14	\$23.31	0	
<u>PPI 2X / Postemergence (4-inch weeds) + cultivation</u>							
Treflan / Pursuit + COC + 28%	1.5 / 2 oz + 1.25% + 1.25%	53.7	\$32.68	\$5.14	\$243.54	220	183
Treflan / Pursuit + COC + 28%	1.5 / 4 oz + 1.25% + 1.25%	43.4	\$39.75	\$5.14	\$183.55	160	
Treflan / Galaxy+ 28% N	1.5 / 2 + 2.5%	45.2	\$41.22	\$5.14	\$191.10	168	
Weed-Free	-	61.1	\$0.00	\$5.14	\$313.90	291	
<u>Preemergence / Postemergence (4-inch weeds)</u>							
Turbo Magnum / Roundup Ultra + AMS	1 / 1.5 + 2.5 lb	54.2		\$5.14			237
Lasso MT / Roundup Ultra + AMS	4 / 1.5 + 2.5 lb	60.3	\$36.74	\$5.14	\$273.28		
Command / Roundup Ultra+ AMS	2 / 1.5 + 2.5 lb	63.0	\$40.94	\$5.14	\$283.03	260	
Authority / Roundup Ultra + AMS	3 oz / 1.5 + 2.5 lb	59.4	\$39.87	\$5.14	\$265.43	242	
USA 1999 / Roundup Ultra + AMS	10.7 oz / 1.5 + 2.5 lb	57.5		\$5.14			
Frontier / Result + Blazer + 28%N	20 oz / 3.6 +10 oz + 2	54.5	\$50.35	\$5.14	\$229.68	206	
Authority / Synchrony STS + Assure II + NIS + 28%N	4.5 oz / 0.25 oz + 8 oz + 0.25% + 4	61.2	\$45.78	\$5.14	\$268.73	245	
Authority / Classic + First Rate + Assure II + COC + 28%N	4.5 oz / 0.33 oz + 0.15 oz + 8 oz + 0.25% + 4	59.3	\$51.53	\$5.14	\$253.14	230	
<u>Postemergence (4-inch weeds)</u>							
Raptor + COC + 28%	5 oz + 1.25% + 1.25%	58.9	\$34.58	\$5.14	\$268.11	245	256
Frontier / Roundup Ultra + AMS	20 oz / 1.5 + 2.5 lb	61.6	\$38.58	\$5.14	\$277.99	255	
Select + Cobra + First Rate + COC + AMS	8 oz + 6 oz + 0.3 oz + 1 + 2.5 lb	57.3	\$32.27	\$5.14	\$262.46	239	
Roundup Ultra + Classic	1.5 + 0.33 oz	61.1	\$23.34	\$5.14	\$290.72	267	
Touchdown 5 + AMS	1.6 + 2.5 lb	61.9		\$5.14			
Roundup Ultra	2 + 2.5 lb	62.0	\$22.95	\$5.14	\$295.65	272	
<u>Postemergence (4-inch weeds / 4-inch regrowth)</u>							
Roundup Ultra / Roundup Ultra	1.5 + 2.5 lb / 1.5 + 2.5 lb	62.1	\$34.05	\$5.14	\$285.37	262	257
Roundup Ultra / Roundup Ultra	12 oz + 2.5 lb / 20 oz + 2.5 lb	59.2	\$28.70	\$5.14	\$275.59	252	
<u>Postemergence (4-inch weeds)</u>							
Roundup Ultra + Pursuit + NIS + AMS	1 + 4 oz + 0.25% + 2.5 lb	62.2	\$32.66	\$5.14	\$287.29	264	250
Weed-Free	-	61.8		\$5.14	\$317.41		
Rezult + Flexstar + COC + 28%	3.6 + 12 oz + 1 + 2	55.5	\$36.27	\$5.14	\$249.13	226	
Pursuit + COC + 28%	4 oz + 1.25% + 1.25%	59.4	\$21.43	\$5.14	\$283.64	260	
<u>Postemergence (4-inch weeds) + cultivation</u>							
Rezult + Flexstar + COC + 28%	3.6 + 12 oz + 1 + 2	62.4	\$41.27	\$5.14	\$279.60	256	273
Pursuit + COC + 28%	4 oz + 1.25% + 1.25%	65.9	\$26.43	\$5.14	\$312.29	289	
LSD(0.10)				6.0			

1999 Soybean Herbicide Evaluation - Waseca

Herbicide	Rate	Gift	Corw	Vele	Colq	Rrpw	Yield	Cost	Price	Income Herbicide	Income Weedy Check	Income Average
	(pt/A)	-----(% control)-----					(bu/A)	(\$/A)	(\$/bu)	(\$/A)	(\$/A)	(\$/A)
<u>PPI 2X</u>												
Pursuit Plus	2.5	88	61	99	99	99	53.0	\$20.58	\$5.14	\$251.84	187	161
Treflan + First Rate	1.5 + 0.6 oz	78	77	99	99	99	44.3	\$28.63	\$5.14	\$199.07	134	
<u>PPI 2X / Postemergence (4-inch weeds)</u>												
Treflan / Pursuit + COC + 28%	1.5 / 2 oz + 1.25% + 1.25%	99	99	99	99	99	49.4	\$27.68	\$5.14	\$226.24	161	151
Treflan / Pursuit + COC + 28%	1.5 / 4 oz + 1.25% + 1.25%	99	96	99	99	99	49.0	\$34.75	\$5.14	\$217.11	152	
Treflan / Galaxy + 28%	1.5 / 2 + 2.5%	86	96	99	99	99	48.1	\$36.22	\$5.14	\$211.01	146	
Treflan / Pursuit + Cobra + COC + 28%	1.5 / 3 oz + 4 oz + 1.25% + 1.25%	94	99	99	99	99	48.0	\$35.42	\$5.14	\$211.30	146	
Command / Pursuit + COC + 28%	1.5 / 2 oz + 1.25% + 1.25%	98	99	99	99	99	50.6	\$36.73	\$5.14	\$223.35	158	
Pursuit Plus / Roundup Ultra + AMS	2.5 / 1.5 + 2.5lb	99	99	99	99	99	54.7	\$40.86	\$5.14	\$240.30	175	
Treflan / Roundup Ultra	1.5 / 1.5	99	99	99	93	99	51.4	\$32.85	\$5.14	\$231.35	166	
Treflan / First Rate + Pinnacle + NIS +28%	1.5 / 0.3 oz + 1/8 oz + 0.125% + 2.5%	62	99	99	99	99	41.8	\$33.28	\$5.14	\$181.57	116	
Treflan / Raptor + COC + 28%	1.5 / 4 oz + 1.25% + 1.25%	99	99	99	99	99	49.7	\$42.38	\$5.14	\$213.08	148	
Treflan / Pursuit + First Rate + COC + 28%N	1.5 / 2 oz + 0.3 oz + 1.25% + 2.5%	99	99	99	99	99	50.7	\$36.55	\$5.14	\$224.05	159	
Treflan / Pursuit + Flexstar + COC + 28%	1.5 / 2 oz + 12 oz + 1.25% + 1.25%	90	99	99	99	99	46.1	\$32.68	\$5.14	\$204.27	139	
Weedy Check	-	0	0	0	0	0	12.7	\$0.00	\$5.14	\$65.28	0	
<u>PPI 2X / Postemergence (4-inch weeds) + cultivation</u>												
Treflan / Pursuit + COC + 28%	1.5 / 2 oz + 1.25% + 1.25%	99	99	99	99	99	55.6	\$32.68	\$5.14	\$253.10	188	168
Treflan / Pursuit + COC + 28%	1.5 / 4 oz + 1.25% + 1.25%	99	99	99	99	99	51.7	\$39.75	\$5.14	\$225.99	161	
Treflan / Galaxy+ 28% N	1.5 / 2 + 2.5%	93	99	99	99	99	50.9	\$41.22	\$5.14	\$220.41	155	
Weed-Free	-	100	100	100	100	100	52.8	\$0.00	\$5.14	\$271.39	206	
<u>Preemergence / Postemergence (4-inch weeds)</u>												
Turbo Magnum / Roundup Ultra + AMS	1 / 1.5 + 2.5 lb	99	97	96	99	99	53.0		\$5.14			157
Lasso MT / Roundup Ultra + AMS	4 / 1.5 + 2.5 lb	98	99	96	99	99	53.7	\$36.74	\$5.14	\$239.28		
Command / Roundup Ultra+ AMS	2 / 1.5 + 2.5 lb	99	99	99	99	99	51.8	\$40.94	\$5.14	\$225.31	160	
Authority / Roundup Ultra + AMS	3 oz / 1.5 + 2.5 lb	99	99	99	99	99	53.5	\$39.87	\$5.14	\$235.12	170	
USA 1999 / Roundup Ultra + AMS	10.7 oz / 1.5 + 2.5 lb	99	99	99	99	99	52.6		\$5.14			
Frontier / Result + Blazer + 28%N	20 oz / 3.6 +10 oz + 2	99	99	99	99	99	51.2	\$50.35	\$5.14	\$212.82	148	
Authority / Synchrony STS + Assure II + NIS + 28%N	4.5 oz / 0.25 oz + 8 oz + 0.25% + 4	98	99	99	99	99	51.2	\$45.78	\$5.14	\$217.39	152	
Authority / Classic + First Rate + Assure II + COC + 28%N	4.5 oz / 0.33 oz + 0.15 oz + 8 oz + 0.25% + 4	99	99	99	99	99	52.7	\$51.53	\$5.14	\$219.35	154	
<u>Postemergence (4-inch weeds)</u>												
Raptor + COC + 28%	5 oz + 1.25% + 1.25%	98	96	99	99	99	53.0	\$34.58	\$5.14	\$237.84	173	170
Frontier / Roundup Ultra + AMS	20 oz / 1.5 + 2.5 lb	99	99	99	99	99	52.6	\$38.58	\$5.14	\$231.78	167	
Select + Cobra + First Rate + COC + AMS	8 oz + 6 oz + 0.3 oz + 1 + 2.5 lb	95	98	82	99	99	48.3	\$32.27	\$5.14	\$215.99	151	
Roundup Ultra + Classic	1.5 + 0.33 oz	99	99	99	99	99	52.2	\$23.34	\$5.14	\$244.97	180	
Touchdown 5 + AMS	1.6 + 2.5 lb	98	99	99	96	99	53.1		\$5.14			
Roundup Ultra	2 + 2.5 lb	99	99	99	99	99	52.0	\$22.95	\$5.14	\$244.33	179	
<u>Postemergence (4-inch weeds / 4-inch regrowth)</u>												
Roundup Ultra / Roundup Ultra	1.5 + 2.5 lb / 1.5 + 2.5 lb	99	99	99	99	99	51.1	\$34.05	\$5.14	\$228.60	163	165
Roundup Ultra / Roundup Ultra	12 oz + 2.5 lb / 20 oz + 2.5 lb	99	99	99	99	99	50.6	\$28.70	\$5.14	\$231.38	166	
<u>Postemergence (4-inch weeds)</u>												
Roundup Ultra + Pursuit + NIS + AMS	1 + 4 oz + 0.25% + 2.5 lb	99	99	99	99	99	51.2	\$32.66	\$5.14	\$230.51	165	165
Weed-Free	-	100	100	100	100	100	52.6		\$5.14	\$270.36		
Rezult + Flexstar + COC + 28%	3.6 + 12 oz + 1 + 2	95	99	99	99	99	49.2	\$36.27	\$5.14	\$216.62	151	
Pursuit + COC + 28%	4 oz + 1.25% + 1.25%	98	99	99	99	99	51.9	\$21.43	\$5.14	\$245.34	180	
<u>Postemergence (4-inch weeds) + cultivation</u>												
Rezult + Flexstar + COC + 28%	3.6 + 12 oz + 1 + 2	98	99	99	99	99	49.7	\$41.27	\$5.14	\$214.19	149	160
Pursuit + COC + 28%	4 oz + 1.25% + 1.25%	99	97	99	99	99	51.0	\$26.43	\$5.14	\$235.71	170	
LSD(0.10)		6	7	3	3	1	3.5					