

2009 Corn Herbicide Evaluation

Combined across locations

Corn = \$3.30/bu

Herbicide	Rate	Combined across locations											H2O	Yield	Cost	Returns	S.E.	
		Giant foxtail	Yellow foxtail	Grass mix	Common lambsquarters	Tall waterhemp	Velvetleaf	Giant ragweed	Common cocklebur	Common ragweed	Redroot pigweed	Wild buckwheat						
	(product/A)	4	1	1	5	3	2	2	1	1	1	1	7	7	7	7	7	
		(% control)											(%)	(bu/A)	(\$/A)	(\$/A)		
<u>Preemergence/POST III (V4 corn)</u>																		
1	Harness / Laudis + atrazine + COC + 28% Preemergence/POST I (V2 - V 3 corn)	1.75 pt / 3 oz + 16 oz + 1% + 1.5 qt	95	93	98	99	97	97	95	85	99	99	99	26.6	184	59.25	448	16.6
2	Dual II Magnum / Halex GT + NIS + AMS Preemergence/POST III (V4 corn)	1 pt / 3.6 pt + 0.25% + 3 qt	86	97	99	87	91	87	76	78	64	99	99	26.0	177	63.56	428	20.4
3	Harness / Laudis + Buctril + COC + 28%	1.75 pt / 3 oz + 6 oz + 1% + 1.5 qt	90	90	93	99	96	97	95	90	99	99	99	26.6	182	60.41	441	22.2
4	Harness / Ignite + AMS	1.75 pt / 22 oz + 2 qt	96	88	99	88	95	87	86	85	83	99	99	26.4	183	50.28	454	15.8
5	Harness / Capreno + COC + 28%	1.75 pt / 3 oz + 1% + 1.5 qt	88	93	95	97	96	94	92	91	81	93	97	26.9	183	58.83	444	17.9
6	Breakfree / Rims + meso + safener + atrazine + COC + AMS	1 pt / 1.2oz + 2.5oz + 0.3oz + 16oz + 1% + 3qt	88	86	96	99	94	97	95	85	99	99	98	26.2	184			M
7	Breakfree / Resolve Q + Roundup Original Max + AMS	1 pt / 1.25 oz + 16 oz + 22 oz + 3 qt	98	89	98	96	94	92	89	88	97	99	98	26.4	184	53.80	454	17.4
8	Harness / Roundup WeatherMax + AMS	1.25 pt / 22 oz + 3 qt	97	91	99	97	96	96	88	91	89	99	99	26.4	187	50.99	466	18.7
9	Lumax / Touchdown Total + AMS	3 pt / 24 oz + 3 qt	97	91	99	98	97	97	95	90	99	99	99	26.0	187	57.41	460	15.5
10	Camix / Touchdown Total + AMS	2.5 pt / 24 oz + 3 qt	96	90	98	98	97	95	93	92	98	99	98	26.2	185	55.67	456	15.6
11	SureStart / Durango + AMS	1.75 pt / 24 oz + 3 qt	97	91	98	95	95	97	91	91	99	99	99	25.9	187	48.59	472	17.7
12	SureStart / Durango + AMS	2 pt / 24 oz + 3 qt	98	95	99	95	97	97	91	91	99	99	98	26.1	185	55.88	455	15.6
13	SureStart + atrazine / Durango + AMS	1.75 pt + 1.5 pt / 24 oz + 3 qt	97	93	98	97	97	96	90	92	98	99	99	25.4	189	52.04	477	16.9
14	Integrity / Roundup WeatherMax + Status + NIS + AMS	16 oz / 22 oz + 2.5 oz + 0.25% + 3 qt	97	92	98	98	96	97	94	98	99	99	99	26.3	184	66.29	443	17.9
15	Harness / Impact + atrazine + MSO + 28%	1.75 pt / 0.75 oz + 16 oz + 1% + 2.5%	98	93	99	99	96	93	93	88	99	99	99	26.1	184	62.55	448	18.1
16	Harness / Impact + atrazine + Roundup WeatherMax + AMS POST I (1" Weeds) / POST IV (4" weeds)	1.25 pt / 0.5 oz + 16 oz + 22 oz + 3 qt	98	94	98	98	96	97	95	98	99	99	99	26.4	187	63.05	451	16.0
17	Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	99	92	98	98	93	97	97	99	99	99	99	26.1	191	47.58	481	15.4
<u>POST I (V2 corn)</u>																		
18	SureStart + Durango + AMS	1.75 pt + 24 oz + 3 qt	92	96	87	84	82	61	80	89	90	99	99	26.2	189	41.59	481	17.0
19	Halex GT + atrazine + NIS + AMS POST II (V3 corn)	3.6 pt + 16 oz + 0.25% + 3 qt	76	95	94	89	92	83	78	79	80	99	99	26.3	177	43.93	446	16.3
20	Rims + meso + safener + Roundup Original Max + AMS	1.2oz + 2.5oz + 0.3oz + 22oz + 3qt	77	80	94	90	85	88	76	74	87	99	99	26.2	180			M
21	Steadfast Q + Callisto + atrazine + COC + AMS	0.75 oz + 2 oz + 16 oz + 1% + 3 qt	70	80	88	90	83	71	79	86	94	99	99	26.3	172	33.94	445	20.5
22	Resolve Q + atrazine + Roundup Original Max + AMS Checks	1.25 oz + 16 oz + 22 oz + 3 qt	71	80	92	96	81	63	55	81	83	99	99	26.3	170	39.41	432	17.7
23	Weedy Check	-	0	0	0	0	0	0	0	0	0	0	0	27.6	51	0.00	139	19.1
24	Weed-Free Check	-	100	100	100	100	100	100	100	100	100	100	100	26.4	191	0.00	527	17.0
	LSD (0.10)		4	3	5	3	4	8	7	8	10	3	1	0.6	8		24	

## 2009 Corn Herbicide Evaluation - Waseca

## Common ragweed Site

Herbicide	Rate	Giant foxtail	Common ragweed	Common lambsquarters	Velvetleaf	Redroot pigweed	Wild buckwheat	H2O	Yield	Cost	Returns
	(product/A)		(% control)					(%)	(bu/A)	(\$/A)	(\$/A)
<u>Preemergence/POST III (V4 corn)</u>											
Harness / Laudis + atrazine + COC + 28%	1.75 pt / 3 oz + 16 oz + 1% + 1.5 qt	91	99	99	99	99	99	28.3	167	59.25	387
<u>Preemergence/POST I (V2 - V 3 corn)</u>											
Dual II Magnum / Halex GT + NIS + AMS	1 pt / 3.6 pt + 0.25% + 3 qt	75	64	96	96	99	99	28.2	149	63.56	338
<u>Preemergence/POST III (V4 corn)</u>											
Harness / Laudis + Buctril + COC + 28%	1.75 pt / 3 oz + 6 oz + 1% + 1.5 qt	89	99	99	98	99	99	29.0	166	60.41	379
Harness / Ignite + AMS	1.75 pt / 22 oz + 2 qt	91	83	89	89	99	99	28.3	171	50.28	408
Harness / Capreno + COC + 28%	1.75 pt / 3 oz + 1% + 1.5 qt	83	81	88	98	93	97	30.1	179	58.83	404
Breakfree / Rims + meso + Isox-e + atrazine + COC + AMS	1 pt / 1.2oz + 2.5oz + 0.3oz + 16oz + 1% + 3qt	94	99	99	99	99	98	28.2	185		
Breakfree / Resolve Q + Roundup Original Max + AMS	1 pt / 1.25 oz + 16 oz + 22 oz + 3 qt	97	97	99	95	99	98	28.3	177	53.80	420
Harness / Roundup WeatherMax + AMS	1.25 pt / 22 oz + 3 qt	95	89	99	98	99	99	28.2	179	50.99	430
Lumax / Touchdown Total + AMS	3 pt / 24 oz + 3 qt	93	99	99	98	99	99	28.3	189	57.41	450
Camix / Touchdown Total + AMS	2.5 pt / 24 oz + 3 qt	93	98	99	99	99	98	27.6	178	55.67	425
SureStart / Durango + AMS	1.75 pt / 24 oz + 3 qt	97	99	99	99	99	99	28.5	181	41.59	441
SureStart / Durango + AMS	2 pt / 24 oz + 3 qt	98	99	99	99	99	98	28.4	171	55.88	402
SureStart + atrazine / Durango + AMS	1.75 pt + 1.5 pt / 24 oz + 3 qt	96	98	99	97	99	99	28.2	183	52.04	439
Integrity / Roundup WeatherMax + Status + NIS + AMS	17 oz / 22 oz + 2.5 oz + 0.25% + 3 qt	96	99	99	98	99	99	28.0	161	66.29	367
Harness / Impact + atrazine + MSO + 28%	1.75 pt / 0.75 oz + 16 oz + 1% + 2.5%	98	99	99	99	99	99	27.8	166	62.55	386
Harness / Impact + atrazine + Roundup WeatherMax + AMS	1.25 pt / 0.5 oz + 16 oz + 22 oz + 3 qt	99	99	99	99	99	99	28.2	169	63.05	389
<u>POST I (1" Weeds) / POST IV (4" weeds)</u>											
Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	99	99	99	99	99	99	28.3	182	47.58	441
<u>POST I (V2 corn)</u>											
SureStart + Durango + AMS	1.75 pt + 24 oz + 3 qt	93	90	91	85	99	99	28.4	195	41.59	480
Halex GT + atrazine + NIS + AMS	3.6 pt + 16 oz + 0.25% + 3 qt	73	80	99	99	99	99	28.1	151	43.93	361
<u>POST II (V3 corn)</u>											
Rims + meso + Isox-e + Roundup Original Max + AMS	1.2oz + 2.5oz + 0.3oz + 22oz + 3qt	70	87	99	99	99	99	28.4	133		
Steadfast Q + Callisto + atrazine + COC + AMS	1 oz + 2 oz + 16 oz + 1% + 3 qt	73	94	99	99	99	99	28.8	156	33.94	379
Resolve Q + atrazine + Roundup Original Max + AMS	1.25 oz + 16 oz + 22 oz + 3 qt	64	83	99	96	99	99	28.9	143	39.41	341
<u>Checks</u>											
Weedy Check	-	0	0	0	0	0	0	29.7	81	0.00	211
Weed-Free Check	-	100	100	100	100	100	100	29.0	171	0.00	454
	LSD (0.10)	9	10	6	6	3	1	1.3	26		73

2009 Corn Herbicide Evaluation - Waseca  
Giant ragweed Site

Herbicide	Rate	Giant foxtail	Giant ragweed	H2O	Yield	Cost	Returns
	(product/A)	(% control)	(%)	(bu/A)	(\$/A)	(\$/A)	
<u>Preemergence/POST III (V4 corn)</u>							
Harness / Laudis + atrazine + COC + 28%	1.75 pt / 3 oz + 16 oz + 1% + 1.5 qt	99	93	28.8	175	59.25	406
<u>Preemergence/POST I (V2 - V3 corn)</u>							
Dual II Magnum / Halex GT + NIS + AMS	1 pt / 3.6 pt + 0.25% + 3 qt	99	63	28.2	145	63.56	327
<u>Preemergence/POST III (V4 corn)</u>							
Harness / Laudis + Buctril + COC + 28%	1.75 pt / 3 oz + 6 oz + 1% + 1.5 qt	99	92	29.4	170	60.41	387
Harness / Ignite + AMS	1.75 pt / 22 oz + 2 qt	99	86	27.9	166	50.28	397
Harness / Capreno + COC + 28%	1.75 pt / 3 oz + 1% + 1.5 qt	99	88	28.5	166	58.83	385
Breakfree / Rims + meso + Isox-e + atrazine + COC + AMS	1 pt / 1.2oz + 2.5oz + 0.3oz + 16oz + 1% + 3qt	98	96	28.4	177		
Breakfree / Resolve Q + Roundup Original Max + AMS	1 pt / 1.25 oz + 16 oz + 22 oz + 3 qt	99	89	28.3	181	53.80	431
Harness / Roundup WeatherMax + AMS	1.25 pt / 22 oz + 3 qt	99	92	28.6	178	50.99	422
Lumax / Touchdown Total + AMS	3 pt / 24 oz + 3 qt	99	96	27.7	183	57.41	437
Camix / Touchdown Total + AMS	2.5 pt / 24 oz + 3 qt	99	95	29.0	176	55.67	411
SureStart / Durango + AMS	1.75 pt / 24 oz + 3 qt	99	93	27.9	180	41.59	445
SureStart / Durango + AMS	2 pt / 24 oz + 3 qt	99	92	28.2	174	55.88	412
SureStart + atrazine / Durango + AMS	1.75 pt + 1.5 pt / 24 oz + 3 qt	99	89	27.1	167	52.04	405
Integrity / Roundup WeatherMax + Status + NIS + AMS	17 oz / 22 oz + 2.5 oz + 0.25% + 3 qt	99	94	28.9	184	66.29	421
Harness / Impact + atrazine + MSO + 28%	1.75 pt / 0.75 oz + 16 oz + 1% + 2.5%	99	95	28.5	180	62.55	419
Harness / Impact + atrazine + Roundup WeatherMax + AMS	1.25 pt / 0.5 oz + 16 oz + 22 oz + 3 qt	99	96	28.7	193	63.05	452
<u>POST I (1" Weeds) / POST IV (4" weeds)</u>							
Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	99	99	28.3	183	47.58	443
<u>POST I (V2 corn)</u>							
SureStart + Durango + AMS	1.75 pt + 24 oz + 3 qt	99	76	28.0	190	41.59	471
Halex GT + atrazine + NIS + AMS	3.6 pt + 16 oz + 0.25% + 3 qt	76	59	29.5	170	43.93	404
<u>POST II (V3 corn)</u>							
Rims + meso + Isox-e + Roundup Original Max + AMS	1.2oz + 2.5oz + 0.3oz + 22oz + 3qt	94	65	27.9	191		
Steadfast Q + Callisto + atrazine + COC + AMS	1 oz + 2 oz + 16 oz + 1% + 3 qt	97	68	28.8	160	33.94	392
Resolve Q + atrazine + Roundup Original Max + AMS	1.25 oz + 16 oz + 22 oz + 3 qt	95	45	28.5	158	39.41	382
<u>Checks</u>							
Weedy Check	-	0	0	30.3	26	0.00	67
Weed-Free Check	-	100	100	28.3	179	0.00	480
	LSD (0.10)	11	13	1.2	21		60

2009 Corn Herbicide Evaluation - Waseca  
Common cocklebur Site

Herbicide	Rate	Giant foxtail	Common cocklebur	Common lambsquarters	H2O (%)	Yield (bu/A)	Cost (\$/A)	Returns (\$/A)
<u>Preemergence/POST III (V4 corn)</u>	(product/A)		(% control)					
Harness / Laudis + atrazine + COC + 28%	1.75 pt / 3 oz + 16 oz + 1% + 1.5 qt	99	85	99	27.3	208	59.25	508
<u>Preemergence/POST I (V2 - V 3 corn)</u>								
Dual II Magnum / Halex GT + NIS + AMS	1 pt / 3.6 pt + 0.25% + 3 qt	83	78	63	27.4	194	63.56	463
<u>Preemergence/POST III (V4 corn)</u>								
Harness / Laudis + Buctril + COC + 28%	1.75 pt / 3 oz + 6 oz + 1% + 1.5 qt	92	90	99	26.6	211	60.41	522
Harness / Ignite + AMS	1.75 pt / 22 oz + 2 qt	99	85	99	27.6	216	50.28	533
Harness / Capreno + COC + 28%	1.75 pt / 3 oz + 1% + 1.5 qt	87	91	99	27.5	206	58.83	502
Breakfree / Rims + meso + Isox-e + atrazine + COC + AMS	1 pt / 1.2oz + 2.5oz + 0.3oz + 16oz + 1% + 3qt	98	85	99	27.6	216		
Breakfree / Resolve Q + Roundup Original Max + AMS	1 pt / 1.25 oz + 16 oz + 22 oz + 3 qt	99	88	99	27.1	209	53.80	516
Harness / Roundup WeatherMax + AMS	1.25 pt / 22 oz + 3 qt	99	91	99	27.8	223	50.99	551
Lumax / Touchdown Total + AMS	3 pt / 24 oz + 3 qt	99	90	99	26.9	222	57.41	550
Camix / Touchdown Total + AMS	2.5 pt / 24 oz + 3 qt	99	92	99	27.0	215	55.67	534
SureStart / Durango + AMS	1.75 pt / 24 oz + 3 qt	99	91	99	25.8	226	41.59	588
SureStart / Durango + AMS	2 pt / 24 oz + 3 qt	99	91	99	27.1	216	55.88	535
SureStart + atrazine / Durango + AMS	1.75 pt + 1.5 pt / 24 oz + 3 qt	99	92	99	26.1	227	52.04	579
Integrity / Roundup WeatherMax + Status + NIS + AMS	17 oz / 22 oz + 2.5 oz + 0.25% + 3 qt	99	98	99	27.2	218	66.29	528
Harness / Impact + atrazine + MSO + 28%	1.75 pt / 0.75 oz + 16 oz + 1% + 2.5%	99	88	99	26.7	213	62.55	524
Harness / Impact + atrazine + Roundup WeatherMax + AMS	1.25 pt / 0.5 oz + 16 oz + 22 oz + 3 qt	99	98	99	26.5	210	63.05	515
<u>POST I (1" Weeds) / POST IV (4" weeds)</u>								
Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	99	99	99	26.7	212	47.58	537
<u>POST I (V2 corn)</u>								
SureStart + Durango + AMS	1.75 pt + 24 oz + 3 qt	89	89	65	27.3	223	41.59	565
Halex GT + atrazine + NIS + AMS	3.6 pt + 16 oz + 0.25% + 3 qt	74	79	60	26.8	187	43.93	470
<u>POST II (V3 corn)</u>								
Rims + meso + Isox-e + Roundup Original Max + AMS	1.2oz + 2.5oz + 0.3oz + 22oz + 3qt	74	74	94	26.9	219		
Steadfast Q + Callisto + atrazine + COC + AMS	1 oz + 2 oz + 16 oz + 1% + 3 qt	70	86	54	26.7	185	33.94	476
Resolve Q + atrazine + Roundup Original Max + AMS	1.25 oz + 16 oz + 22 oz + 3 qt	70	81	96	27.7	208	39.41	522
<u>Checks</u>								
Weedy Check	-	0	0	0	29.1	76	0.00	200
Weed-Free Check	-	100	100	100	27.0	210	0.00	574
	LSD (0.10)	6	8	12	1.2	19		56

2009 Corn Herbicide Evaluation - Waseca  
Tall waterhemp Site

Herbicide	Rate	Giant foxtail	Tall waterhemp	Velvetleaf	H2O	Yield	Cost	Returns
	(product/A)		(% control)		(%)	(bu/A)	(\$/A)	(\$/A)
<u>Preemergence/POST III (V4 corn)</u>								
Harness / Laudis + atrazine + COC + 28%	1.75 pt / 3 oz + 16 oz + 1% + 1.5 qt	90	94	95	32.7	162	59.25	345
<u>Preemergence/POST I (V2 - V 3 corn)</u>								
Dual II Magnum / Halex GT + NIS + AMS	1 pt / 3.6 pt + 0.25% + 3 qt	88	75	78	31.0	180	63.56	396
<u>Preemergence/POST III (V4 corn)</u>								
Harness / Laudis + Buctril + COC + 28%	1.75 pt / 3 oz + 6 oz + 1% + 1.5 qt	81	94	95	32.1	154	60.41	326
Harness / Ignite + AMS	1.75 pt / 22 oz + 2 qt	95	94	84	31.6	173	50.28	386
Harness / Capreno + COC + 28%	1.75 pt / 3 oz + 1% + 1.5 qt	84	93	90	32.6	171	58.83	367
Breakfree / Rims + meso + Isox-e + atrazine + COC + AMS	1 pt / 1.2oz + 2.5oz + 0.3oz + 16oz + 1% + 3qt	64	88	95	30.8	157		
Breakfree / Resolve Q + Roundup Original Max + AMS	1 pt / 1.25 oz + 16 oz + 22 oz + 3 qt	95	93	90	31.4	169	53.80	377
Harness / Roundup WeatherMax + AMS	1.25 pt / 22 oz + 3 qt	96	96	94	32.2	173	50.99	381
Lumax / Touchdown Total + AMS	3 pt / 24 oz + 3 qt	96	96	95	30.0	181	57.41	414
Camix / Touchdown Total + AMS	2.5 pt / 24 oz + 3 qt	95	95	91	30.8	175	55.67	393
SureStart / Durango + AMS	1.75 pt / 24 oz + 3 qt	95	96	95	31.1	182	41.59	421
SureStart / Durango + AMS	2 pt / 24 oz + 3 qt	96	96	95	29.9	188	55.88	435
SureStart + atrazine / Durango + AMS	1.75 pt + 1.5 pt / 24 oz + 3 qt	95	96	95	29.8	176	52.04	407
Integrity / Roundup WeatherMax + Status + NIS + AMS	17 oz / 22 oz + 2.5 oz + 0.25% + 3 qt	94	96	96	31.3	178	66.29	387
Harness / Impact + atrazine + MSO + 28%	1.75 pt / 0.75 oz + 16 oz + 1% + 2.5%	96	93	88	31.8	174	62.55	376
Harness / Impact + atrazine + Roundup WeatherMax + AMS	1.25 pt / 0.5 oz + 16 oz + 22 oz + 3 qt	96	96	95	31.6	186	63.05	409
<u>POST I (1" Weeds) / POST IV (4" weeds)</u>								
Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	97	97	95	31.2	180	47.58	412
<u>POST I (V2 corn)</u>								
SureStart + Durango + AMS	1.75 pt + 24 oz + 3 qt	89	59	38	31.0	168	41.59	388
Halex GT + atrazine + NIS + AMS	3.6 pt + 16 oz + 0.25% + 3 qt	83	81	66	31.3	180	43.93	415
<u>POST II (V3 corn)</u>								
Rims + meso + Isox-e + Roundup Original Max + AMS	1.2oz + 2.5oz + 0.3oz + 22oz + 3qt	70	66	76	31.4	168		
Steadfast Q + Callisto + atrazine + COC + AMS	1 oz + 2 oz + 16 oz + 1% + 3 qt	39	59	43	31.8	138	33.94	318
Resolve Q + atrazine + Roundup Original Max + AMS	1.25 oz + 16 oz + 22 oz + 3 qt	55	68	30	30.5	156	39.41	362
<u>Checks</u>								
Weedy Check	-	0	0	0	33.3	15	0.00	36
Weed-Free Check	-	100	100	100	31.3	188	0.00	477
	LSD (0.10)	9	13	15	ns	26		75

## 2009 Corn Herbicide Evaluation - Lambertton

Herbicide	Rate	Yellow foxtail	Common lambsquarters	Tall waterhemp	H2O	Yield	Cost	Returns
	(product/A)		(% control)		(%)	(bu/A)	(\$/A)	(\$/A)
<u>Preemergence/POST III (V4 corn)</u>								
Harness / Laudis + atrazine + COC + 28%	1.75 pt / 3 oz + 16 oz + 1% + 1.5 qt	93	99	99	19.1	202	59.25	566
<u>Preemergence/POST I (V2 - V3 corn)</u>								
Dual II Magnum / Halex GT + NIS + AMS	1 pt / 3.6 pt + 0.25% + 3 qt	97	99	99	18.4	203	63.56	572
<u>Preemergence/POST III (V4 corn)</u>								
Harness / Laudis + Buctril + COC + 28%	1.75 pt / 3 oz + 6 oz + 1% + 1.5 qt	90	99	97	18.5	207	60.41	585
Harness / Ignite + AMS	1.75 pt / 22 oz + 2 qt	88	84	94	19.9	203	50.28	572
Harness / Capreno + COC + 28%	1.75 pt / 3 oz + 1% + 1.5 qt	93	99	99	19.0	205	58.83	576
Breakfree / Rims + meso + Isox-e + atrazine + COC + AMS	1 pt / 1.2oz + 2.5oz + 0.3oz + 16oz + 1% + 3qt	86	99	99	19.0	205		
Breakfree / Resolve Q + Roundup Original Max + AMS	1 pt / 1.25 oz + 16 oz + 22 oz + 3 qt	89	98	98	19.3	202	53.80	569
Harness / Roundup WeatherMax + AMS	1.25 pt / 22 oz + 3 qt	91	99	97	18.8	210	50.99	602
Lumax / Touchdown Total + AMS	3 pt / 24 oz + 3 qt	91	99	99	19.6	199	57.41	553
Camix / Touchdown Total + AMS	2.5 pt / 24 oz + 3 qt	90	99	97	19.4	199	55.67	557
SureStart / Durango + AMS	1.75 pt / 24 oz + 3 qt	91	97	98	18.9	200	41.59	578
SureStart / Durango + AMS	2 pt / 24 oz + 3 qt	95	98	99	20.0	198	55.88	547
SureStart + atrazine / Durango + AMS	1.75 pt + 1.5 pt / 24 oz + 3 qt	93	98	99	18.6	211	52.04	606
Integrity / Roundup WeatherMax + Status + NIS + AMS	17 oz / 22 oz + 2.5 oz + 0.25% + 3 qt	92	99	98	19.1	204	66.29	566
Harness / Impact + atrazine + MSO + 28%	1.75 pt / 0.75 oz + 16 oz + 1% + 2.5%	93	99	99	18.7	211	62.55	594
Harness / Impact + atrazine + Roundup WeatherMax + AMS	1.25 pt / 0.5 oz + 16 oz + 22 oz + 3 qt	94	99	99	19.3	203	63.05	562
<u>POST I (1" Weeds) / POST IV (4" weeds)</u>								
Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	92	98	95	19.0	207	47.58	595
<u>POST I (V2 corn)</u>								
SureStart + Durango + AMS	1.75 pt + 24 oz + 3 qt	96	99	99	19.6	204	41.59	585
Halex GT + atrazine + NIS + AMS	3.6 pt + 16 oz + 0.25% + 3 qt	95	99	99	19.1	201	43.93	577
<u>POST II (V3 corn)</u>								
Rims + meso + Isox-e + Roundup Original Max + AMS	1.2oz + 2.5oz + 0.3oz + 22oz + 3qt	80	99	98	19.5	204		
Steadfast Q + Callisto + atrazine + COC + AMS	1 oz + 2 oz + 16 oz + 1% + 3 qt	80	99	99	18.8	207	33.94	610
Resolve Q + atrazine + Roundup Original Max + AMS	1.25 oz + 16 oz + 22 oz + 3 qt	80	98	94	19.3	194	39.41	561
<u>Checks</u>								
Weedy Check	-	0	0	0	20.1	74	0.00	225
Weed-Free Check	-	100	100	100	19.2	204	0.00	631
	LSD (0.10)	3	3	2	ns	13		42

## 2009 Corn Herbicide Evaluation - Rochester

Herbicide	Rate	Grass mix	Giant ragweed	Common lambsquarters	Tall waterhemp	H2O (%)	Yield (bu/A)	Cost (\$/A)	Returns (\$/A)
<u>Preemergence/POST III (V4 corn)</u>	(product/A)			(% control)					
Harness / Laudis + atrazine + COC + 28%	1.75 pt / 3 oz + 16 oz + 1% + 1.5 qt	98	97	99	98	23.4	198	59.25	514
<u>Preemergence/POST I (V2 - V3 corn)</u>									
Dual II Magnum / Halex GT + NIS + AMS	1 pt / 3.6 pt + 0.25% + 3 qt	99	89	99	98	23.1	203	63.56	527
<u>Preemergence/POST III (V4 corn)</u>									
Harness / Laudis + Buctril + COC + 28%	1.75 pt / 3 oz + 6 oz + 1% + 1.5 qt	93	98	99	98	24.1	201	60.41	514
Harness / Ignite + AMS	1.75 pt / 22 oz + 2 qt	99	86	89	97	23.3	178	50.28	467
Harness / Capreno + COC + 28%	1.75 pt / 3 oz + 1% + 1.5 qt	95	96	98	97	23.7	192	58.83	494
Breakfree / Rims + meso + Isox-e + atrazine + COC + AMS	1 pt / 1.2oz + 2.5oz + 0.3oz + 16oz + 1% + 3qt	96	95	99	95	23.4	190		
Breakfree / Resolve Q + Roundup Original Max + AMS	1 pt / 1.25 oz + 16 oz + 22 oz + 3 qt	98	89	96	92	24.0	194	53.80	504
Harness / Roundup WeatherMax + AMS	1.25 pt / 22 oz + 3 qt	99	85	97	96	23.0	197	50.99	522
Lumax / Touchdown Total + AMS	3 pt / 24 oz + 3 qt	99	94	99	95	23.2	172	57.41	442
Camix / Touchdown Total + AMS	2.5 pt / 24 oz + 3 qt	98	92	99	99	23.6	194	55.67	505
SureStart / Durango + AMS	1.75 pt / 24 oz + 3 qt	98	89	97	92	22.9	185	41.59	500
SureStart / Durango + AMS	2 pt / 24 oz + 3 qt	99	90	99	96	23.1	191	55.88	499
SureStart + atrazine / Durango + AMS	1.75 pt + 1.5 pt / 24 oz + 3 qt	98	90	99	96	22.6	191	52.04	508
Integrity / Roundup WeatherMax + Status + NIS + AMS	17 oz / 22 oz + 2.5 oz + 0.25% + 3 qt	98	95	94	94	23.5	191	66.29	485
Harness / Impact + atrazine + MSO + 28%	1.75 pt / 0.75 oz + 16 oz + 1% + 2.5%	99	92	99	97	22.9	188	62.55	487
Harness / Impact + atrazine + Roundup WeatherMax + AMS	1.25 pt / 0.5 oz + 16 oz + 22 oz + 3 qt	98	93	98	93	24.3	187	63.05	470
<u>POST I (1" Weeds) / POST IV (4" weeds)</u>									
Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	98	96	97	88	22.9	199	47.58	533
<u>POST I (V2 corn)</u>									
SureStart + Durango + AMS	1.75 pt + 24 oz + 3 qt	87	84	92	89	23.2	183	41.59	492
Halex GT + atrazine + NIS + AMS	3.6 pt + 16 oz + 0.25% + 3 qt	94	97	96	96	22.9	185	43.93	498
<u>POST II (V3 corn)</u>									
Rims + meso + Isox-e + Roundup Original Max + AMS	1.2oz + 2.5oz + 0.3oz + 22oz + 3qt	94	87	98	90	23.1	187		
Steadfast Q + Callisto + atrazine + COC + AMS	1 oz + 2 oz + 16 oz + 1% + 3 qt	88	90	98	91	23.0	187	33.94	512
Resolve Q + atrazine + Roundup Original Max + AMS	1.25 oz + 16 oz + 22 oz + 3 qt	92	65	98	82	22.8	165	39.41	443
<u>Checks</u>									
Weedy Check	-	0	0	0	0	23.3	13	0.00	37
Weed-Free Check	-	100	100	100	100	23.7	208	0.00	600
	LSD (0.10)	5	4	3	4	1.4	28		75

2009 Corn Herbicide Evaluation - Morris

Herbicide	Rate	Common lambsquarters	Yield	Cost	Returns
	(product/A)	(% control)	(bu/A)	(\$/A)	(\$/A)
<u>Preemergence/POST III (V4 corn)</u>					
Harness / Laudis + atrazine + COC + 28%	1.75 pt / 3 oz + 16 oz + 1% + 1.5 qt	100	174	59.25	409
<u>Preemergence/POST I (V2 - V3 corn)</u>					
Dual II Magnum / Halex GT + NIS + AMS	1 pt / 3.6 pt + 0.25% + 3 qt	81	163	63.56	375
<u>Preemergence/POST III (V4 corn)</u>					
Harness / Laudis + Buctril + COC + 28%	1.75 pt / 3 oz + 6 oz + 1% + 1.5 qt	100	162	60.41	376
Harness / Ignite + AMS	1.75 pt / 22 oz + 2 qt	79	173	50.28	415
Harness / Capreno + COC + 28%	1.75 pt / 3 oz + 1% + 1.5 qt	100	163	58.83	381
Breakfree / Rims + meso + Isox-e + atrazine + COC + AMS	1 pt / 1.2oz + 2.5oz + 0.3oz + 16oz + 1% + 3qt	100	160		
Breakfree / Resolve Q + Roundup Original Max + AMS	1 pt / 1.25 oz + 16 oz + 22 oz + 3 qt	88	155	53.80	362
Harness / Roundup WeatherMax + AMS	1.25 pt / 22 oz + 3 qt	89	149	50.99	350
Lumax / Touchdown Total + AMS	3 pt / 24 oz + 3 qt	96	161	57.41	375
Camix / Touchdown Total + AMS	2.5 pt / 24 oz + 3 qt	95	158	55.67	370
SureStart / Durango + AMS	1.75 pt / 24 oz + 3 qt	84	156	41.59	379
SureStart / Durango + AMS	2 pt / 24 oz + 3 qt	80	153	55.88	356
SureStart + atrazine / Durango + AMS	1.75 pt + 1.5 pt / 24 oz + 3 qt	90	167	52.04	397
Integrity / Roundup WeatherMax + Status + NIS + AMS	17 oz / 22 oz + 2.5 oz + 0.25% + 3 qt	99	155	66.29	350
Harness / Impact + atrazine + MSO + 28%	1.75 pt / 0.75 oz + 16 oz + 1% + 2.5%	98	153	62.55	350
Harness / Impact + atrazine + Roundup WeatherMax + AMS	1.25 pt / 0.5 oz + 16 oz + 22 oz + 3 qt	96	159	63.05	363
<u>POST I (1" Weeds) / POST IV (4" weeds)</u>					
Roundup WeatherMax + AMS / Roundup WeatherMax + AMS	22 oz + 3 qt / 22 oz + 3 qt	98	170	47.58	410
<u>POST I (V2 corn)</u>					
SureStart + Durango + AMS	1.75 pt + 24 oz + 3 qt	73	159	41.59	387
Halex GT + atrazine + NIS + AMS	3.6 pt + 16 oz + 0.25% + 3 qt	91	163	43.93	395
<u>POST II (V3 corn)</u>					
Rims + meso + Isox-e + Roundup Original Max + AMS	1.2oz + 2.5oz + 0.3oz + 22oz + 3qt	59	155		
Steadfast Q + Callisto + atrazine + COC + AMS	1 oz + 2 oz + 16 oz + 1% + 3 qt	100	173	33.94	432
Resolve Q + atrazine + Roundup Original Max + AMS	1.25 oz + 16 oz + 22 oz + 3 qt	90	169	39.41	415
<u>Checks</u>					
Weedy Check	-	0	72	0.00	193
Weed-Free Check	-	100	174	0.00	469
	LSD (0.10)	9	19		52