

1999 Corn Herbicide Evaluation - Lambertton

Herbicide	Rate	Yeft	Colq	TWT	H2O	Yield	Wet Bushels	Grain Price	Drying Cost	Shrunk Bushels	Actual Price	Herbicide Cost	Income Over Herb	Income Over
														Checks
	(pt/A)	(% control)	(lb/bu)	(%)	(bu/A)	(bu/A)	(\$/bu)	(\$/bu)	(bu/A)	(\$/bu)	(\$/A)	(\$/A)	(\$/A)	(\$/A)
<u>PPI / Postemergence (3-4-inch weeds)</u>														
Doubleplay / Clarity	6/ 1	88	98	56.6	20.2	170	180	\$1.76	\$0.1300	167	1.6300	\$46.71	226.09	84
Dual II Magnum/ Clarity	2/ 1	89	98	58.8	18.1	170	175	\$1.76	\$0.0775	168	1.6825	\$50.46	232.30	90
Acetochlor / Clarity	2.5/ 1	88	98	58.6	17.5	163	167	\$1.76	\$0.0625	161	1.6975	\$44.10	229.81	88
Frontier / Clarity	2.0/ 1	86	98	59.2	16.7	175	178	\$1.76	\$0.0425	173	1.7175	\$44.48	253.38	111
<u>Pre / Postemergence (3-4 inch weeds)</u>														
Dual II Magnum/ Clarity	2/ 1	91	98	59.6	17.5	163	167	\$1.76	\$0.0625	161	1.6975	\$48.46	225.45	83
Acetochlor / Clarity	2.5/ 1	97	98	60.4	16.4	166	168	\$1.76	\$0.0350	165	1.7250	\$42.10	241.88	100
Frontier / Clarity	2.0/ 1	94	98	60.4	16.3	169	171	\$1.76	\$0.0325	168	1.7275	\$42.48	247.06	105
Weedy Check	--	0	0	59.2	17.8	107	110	\$1.76	\$0.0700	106	1.6900	\$0.00	178.87	37
<u>Pre / Postemergence (3-4 inch weeds) + Cultivation</u>														
Dual II Magnum/ Clarity	2/ 1	98	98	60.1	17.0	163	166	\$1.76	\$0.0500	161	1.7100	\$53.46	222.57	80
Acetochlor / Clarity	2.5/ 1	98	98	59.9	16.2	176	178	\$1.76	\$0.0300	175	1.7300	\$47.10	255.00	113
Frontier / Clarity	2.0/ 1	98	98	60.4	16.4	177	179	\$1.76	\$0.0350	176	1.7250	\$47.48	255.29	113
Weed-Free	--	100	98	60.3	16.4	168	170	\$1.76	\$0.0350	167	1.7250	\$0.00	287.37	145
<u>Preemergence</u>														
Epic + atrazine	11 oz + 16 oz	90	98	60.0	16.8	168	171	\$1.76	\$0.0450	166	1.7150			
Balance + atrazine	2 oz + 0.8 lb	84	98	60.1	16.5	171	173	\$1.76	\$0.0375	169	1.7225			
Surpass + Hornet	2.5 + 4 oz	91	98	59.4	17.3	159	163	\$1.76	\$0.0575	157	1.7025	\$42.61	225.46	83
<u>Pre / Postemergence (3 to 4-inch weeds)</u>														
Surpass / Liberty + atrazine + AMS	1.5 / 20 oz/A + 0.5 lb + 2.5 lb	96	98	60.2	16.4	159	161	\$1.76	\$0.0350	158	1.7250	\$41.06	230.91	89
Balance / Liberty + atrazine + AMS	1.75 oz / 20 oz + 0.5 lb + 2.5 lb	97	98	59.1	17.5	158	162	\$1.76	\$0.0625	156	1.6975			
Dual II Magnum / Accent Gold + Clarity + COC + 28%	0.66 / 2.9 oz + 4 oz + 1% + 4%	91	98	58.3	16.8	173	176	\$1.76	\$0.0450	171	1.7150	\$48.32	245.68	103
Axiom / Liberty + atrazine + AMS	11 oz / 20 oz + 0.5 lb + 2.5 lb	89	97	59.9	17.1	162	165	\$1.76	\$0.0525	160	1.7075	\$39.21	234.71	92
Axiom / Accent Gold + COC + 28%	13 oz / 2.9 oz+1% + 4%	89	98	60.6	15.8	170	171	\$1.76	\$0.0200	169	1.7400	\$49.45	244.19	102
Surpass / Hornet + Clarity + NIS + 28%	2.5 / 2.4 oz + 4 oz + 0.25% + 2.5%	90	98	60.1	16.2	167	168	\$1.76	\$0.0300	166	1.7300	\$46.81	239.80	98
Surpass / Hornet + Aim + NIS + 28%	2.5 / 2.4 oz + 0.32 oz + 0.25% + 2.5%	91	98	60.3	16.3	163	165	\$1.76	\$0.0325	162	1.7275	\$47.96	231.40	89
Dual II Magnum / Northstar + COC + 28%	2 / 0.5 oz/A + 2 + 4	92	98	60.3	15.8	173	174	\$1.76	\$0.0200	172	1.7400	\$50.55	248.25	106
Dual II Magnum / Northstar + Accent + COC + 28%	2 / 5 oz + 0.33 oz + 2 + 4	97	98	59.8	16.8	154	156	\$1.76	\$0.0450	153	1.7150	\$61.10	200.61	58
Frontier / Distinct + NIS + 28%	32 oz/A / 6 oz/A + 0.25% + 1.25%	97	98	60.5	16.4	155	157	\$1.76	\$0.0350	154	1.7250	\$45.94	219.26	77
Weedy Check	-	0	0	59.6	15.8	80	80	\$1.76	\$0.0200	79	1.7400	\$0.00	138.21	(4)
<u>Postemergence (2 collar corn) + cultivation</u>														
Basis + Clarity + NIS + 28%	0.33 oz/A + 0.5 + 0.25% + 4%	76	98	60.3	15.9	161	162	\$1.76	\$0.0225	160	1.7375	\$27.11	250.60	108
<u>Postemergence (3 collar corn) + cultivation</u>														
Basis Gold + Hornet + COC + 28%	14 oz + 2.4 oz/A + 15% + 2	88	98	59.6	16.8	164	167	\$1.76	\$0.0450	163	1.7150	\$39.48	239.30	97
Lightning + Clarity + NIS + 28%	1.28 oz + 6 oz/A + 0.25% + 1.25%	91	98	60.0	16.8	170	173	\$1.76	\$0.0450	169	1.7150	\$37.57	251.41	109
<u>Postemergence (4 collar corn) + cultivation</u>														
Accent+ Distinct+ NIS+ 28% N	0.67 oz/A + 4 oz + 0.25% + 2	89	98	59.8	17.0	167	170	\$1.76	\$0.0500	165	1.7100	\$41.84	241.01	99
<u>Postemergence (3 collar corn)</u>														
Weed-Free	-	97	97	58.9	16.8	167	170	\$1.76	\$0.0450	165	1.7150	\$0.00	283.80	142
Basis Gold + Hornet + COC + 28%	14 oz + 2.4 oz/A + 1% + 2	75	98	59.5	16.9	161	164	\$1.76	\$0.0475	160	1.7125	\$34.48	238.67	96
Lightning + Clarity + NIS + 28%	1.28 oz + 6 oz/A + 0.25% + 1.25%	76	98	59.9	16.3	156	158	\$1.76	\$0.0325	155	1.7275	\$32.57	234.74	92
<u>Postemergence (4 collar corn)</u>														
Accent+ Distinct+ NIS+ 28% N	0.67 oz/A + 4 oz + 0.25% + 2	80	98	59.9	16.9	171	174	\$1.76	\$0.0475	169	1.7125	\$36.84	253.33	111
Accent + Aim + atrazine + NIS + 28%	0.67 oz + 0.32 oz + 9 oz + 0.25% + 4	81	98	60.2	16.3	158	160	\$1.76	\$0.0325	157	1.7275	\$35.07	235.63	93
Liberty + atrazine + AMS	20 oz/A + 0.5 lb + 2.5 lb	86	98	58.4	17.3	168	172	\$1.76	\$0.0575	166	1.7025	\$23.27	259.97	118
Liberty + Aim + NIS	20 oz + 0.32 oz/A + 2.5 lb	79	97	59.9	16.9	173	176	\$1.76	\$0.0475	171	1.7125	\$25.64	267.86	126
Accent Gold + Clarity + COC + 28%	2.9 oz + 4 oz/A + 1% + 4	81	98	59.8	16.7	156	158	\$1.76	\$0.0425	155	1.7175	\$33.11	232.36	90
Accent Gold + Aim + COC + 28%	2.9 oz + 0.32 oz + 1% + 4	81	98	59.7	17.1	163	166	\$1.76	\$0.0525	161	1.7075	\$34.26	241.32	99
Weedy Check	-	0	0	58.8	16.3	64	65	\$1.76	\$0.0325	63	1.7275	\$0.00	109.64	(33)
LSD(0.10)		4	1	1.1	1.1	11								
Corn Price = \$1.33	Drying Cost \$0.025/pt to 15.5%	Shrink = 1.35%/ pt to 15.5 %												

1999 Corn Herbicide Evaluation - Waseca

Herbicide	Rate	GIFT	CORW	VELE	COLQ	RRPW	TWT	H2O	Yield	Wet Bushels	Grain Price	Drying Cost	Shrunk Bushels	Actual Price	Herbicide Cost	Income Over Herb	Income Weedy Checks
<u>PPI / Postemergence (3-4-inch weeds)</u>	(pt/A)			(% control)			(lb/bu)	(%)	(bu/A)	(bu/A)	(\$/bu)	(\$/bu)	(bu/A)	(\$/bu)	(\$/A)	(\$/A)	(\$/A)
Doubleplay / Clarity	6/ 1	86	99	99	99	99	59.9	18.9	172.9	180	\$1.76	\$0.0963	171	1.6637	\$46.71	237.19	193
Dual II Magnum/ Clarity	2/ 1	74	99	99	99	99	59.6	18.1	144.7	149	\$1.76	\$0.0770	143	1.6830	\$50.46	190.36	146
Acetochlor / Clarity	2.5/ 1	75	99	99	99	99	59.6	18.1	154.9	160	\$1.76	\$0.0763	153	1.6837	\$44.10	213.72	170
Frontier / Clarity	2.0/ 1	76	99	99	99	99	60.2	18.1	170.8	176	\$1.76	\$0.0783	169	1.6817	\$44.48	239.48	196
<u>Pre / Postemergence (3-4 inch weeds)</u>																	
Dual II Magnum/ Clarity	2/ 1	84	99	99	99	99	59.8	18.8	176.6	184	\$1.76	\$0.0943	174	1.6657	\$48.46	241.96	198
Acetochlor / Clarity	2.5/ 1	89	99	99	96	99	60.2	18.3	166.7	172	\$1.76	\$0.0825	165	1.6775	\$42.10	234.22	190
Frontier / Clarity	2.0/ 1	93	99	99	99	99	60.1	18.2	175.2	181	\$1.76	\$0.0800	173	1.6800	\$42.48	248.46	205
Weedy Check	--	0	0	0	0	0	59.7	18.2	21.3	22	\$1.76	\$0.0788	21	1.6812	\$0.00	35.41	(9)
<u>Pre / Postemergence (3-4 inch weeds) + Cultivation</u>																	
Dual II Magnum/ Clarity	2/ 1	99	99	99	99	99	60.1	18.4	159.9	166	\$1.76	\$0.0855	158	1.6745	\$53.46	211.03	167
Acetochlor / Clarity	2.5/ 1	96	99	99	99	99	60.2	18.3	174.6	181	\$1.76	\$0.0813	173	1.6787	\$47.10	242.61	199
Frontier / Clarity	2.0/ 1	97	99	99	99	99	60.2	18.6	170.7	177	\$1.76	\$0.0908	169	1.6692	\$47.48	233.97	190
Weed-Free	--	100	100	100	100	100	59.9	18.3	176.1	182	\$1.76	\$0.0818	174	1.6782	\$0.00	292.11	248
<u>Preemergence</u>																	
Epic + atrazine	11 oz + 16 oz	99	99	99	99	99	59.6	18.0	173.0	178	\$1.76	\$0.0755	171	1.6845			
Balance + atrazine	2 oz + 0.8 lb	99	99	99	99	99	60.2	18.5	161.3	167	\$1.76	\$0.0875	159	1.6725			
Surpass + Hornet	2.5 + 4 oz	89	99	99	99	99	59.9	18.4	161.6	167	\$1.76	\$0.0838	160	1.6762	\$42.61	224.98	181
<u>Pre / Postemergence (3 to 4-inch weeds)</u>																	
Surpass / Liberty + atrazine + AMS	1.5 / 20 oz/A + 0.5 lb + 2.5 lb	99	99	99	99	99	59.9	18.2	169.0	175	\$1.76	\$0.0800	167	1.6800	\$41.06	239.60	196
Balance / Liberty + atrazine + AMS	1.75 oz / 20 oz + 0.5 lb + 2.5 lb	99	99	99	99	99	60.0	18.0	167.4	173	\$1.76	\$0.0745	166	1.6855			
Dual II Magnum / Accent Gold + Clarity + COC + 28%	0.66 / 2.9 oz + 4 oz + 1% + 4%	95	99	99	99	99	60.7	18.1	164.6	170	\$1.76	\$0.0783	163	1.6817	\$48.32	225.33	181
Axiom / Liberty + atrazine + AMS	11 oz / 20 oz + 0.5 lb + 2.5 lb	94	99	99	99	99	60.0	18.4	175.3	182	\$1.76	\$0.0850	173	1.6750	\$39.21	250.85	207
Axiom / Accent Gold + COC + 28%	13 oz / 2.9 oz+1% + 4%	99	99	99	99	99	59.6	18.2	170.0	176	\$1.76	\$0.0793	168	1.6807	\$49.45	232.89	189
Surpass / Hornet + Clarity + NIS + 28%	2.5 / 2.4 oz + 4 oz + 0.25% + 2.5%	95	99	99	99	99	59.7	18.2	165.5	171	\$1.76	\$0.0793	164	1.6807	\$46.81	228.13	184
Surpass / Hornet + Aim + NIS + 28%	2.5 / 2.4 oz + 0.32 oz + 0.25% + 2.5%	91	99	99	99	99	59.4	18.5	170.6	177	\$1.76	\$0.0863	169	1.6737	\$47.96	234.17	190
Dual II Magnum / Northstar + COC + 28%	2 / 0.5 oz/A + 2 + 4	91	99	99	99	99	60.2	18.0	157.8	163	\$1.76	\$0.0738	156	1.6862	\$50.55	212.55	169
Dual II Magnum / Northstar + Accent + COC + 28%	2 / 5 oz + 0.33 oz + 2 + 4	99	99	99	99	99	59.6	17.9	159.3	164	\$1.76	\$0.0713	158	1.6887	\$61.10	205.03	161
Frontier / Distinct + NIS + 28%	32 oz/A / 6 oz/A + 0.25% + 1.25%	99	99	99	99	99	60.2	17.9	148.5	153	\$1.76	\$0.0720	147	1.6880	\$45.94	201.96	158
Weedy Check	-	0	0	0	0	0	59.7	18.3	50.1	52	\$1.76	\$0.0813	50	1.6787	\$0.00	83.14	39
<u>Postemergence (2 collar corn) + cultivation</u>																	
Basis + Clarity + NIS + 28%	0.33 oz/A + 0.5 + 0.25% + 4%	83	99	99	99	99	59.9	17.9	162.8	168	\$1.76	\$0.0725	161	1.6875	\$27.11	244.64	201
<u>Postemergence (3 collar corn) + cultivation</u>																	
Basis Gold + Hornet + COC + 28%	14 oz + 2.4 oz/A + 15% + 2	99	98	98	98	99	59.7	18.4	169.4	175	\$1.76	\$0.0850	167	1.6750	\$39.48	240.83	197
Lightning + Clarity + NIS + 28%	1.28 oz + 6 oz/A + 0.25% + 1.25%	99	99	99	99	99	59.8	17.7	159.5	164	\$1.76	\$0.0668	158	1.6932	\$37.57	229.62	186
<u>Postemergence (4 collar corn) + cultivation</u>																	
Accent+ Distinct+ NIS+ 28% N	0.67 oz/A + 4 oz + 0.25% + 2	96	99	99	99	99	60.5	18.0	147.4	152	\$1.76	\$0.0750	146	1.6850	\$41.84	203.75	160
<u>Postemergence (3 collar corn)</u>																	
Weed-Free	-	100	100	100	100	100	60.2	18.3	154.7	160	\$1.76	\$0.0813	153	1.6787	\$0.00	256.65	213
Basis Gold + Hornet + COC + 28%	14 oz + 2.4 oz/A + 1% + 2	87	99	99	99	99	60.1	17.9	159.1	164	\$1.76	\$0.0725	157	1.6875	\$34.48	231.11	187
Lightning + Clarity + NIS + 28%	1.28 oz + 6 oz/A + 0.25% + 1.25%	96	97	99	99	99	59.9	18.1	167.9	173	\$1.76	\$0.0783	166	1.6817	\$32.57	246.55	203
<u>Postemergence (4 collar corn)</u>																	
Accent+ Distinct+ NIS+ 28% N	0.67 oz/A + 4 oz + 0.25% + 2	93	99	99	99	99	60.3	17.7	144.0	148	\$1.76	\$0.0663	143	1.6937	\$36.84	204.53	161
Accent + Aim + atrazine + NIS + 28%	0.67 oz + 0.32 oz + 9 oz + 0.25% + 4	94	6	99	99	99	58.4	16.9	106.8	109	\$1.76	\$0.0463	106	1.7137	\$35.07	146.22	102
Liberty + atrazine + AMS	20 oz/A + 0.5 lb + 2.5 lb	89	99	96	99	99	59.9	18.0	152.5	157	\$1.76	\$0.0750	151	1.6850	\$23.27	230.72	187
Liberty + Aim + NIS	20 oz + 0.32 oz/A + 2.5 lb	86	82	96	76	99	59.5	18.0	161.0	166	\$1.76	\$0.0745	159	1.6855	\$25.64	242.74	199
Accent Gold + Clarity + COC + 28%	2.9 oz + 4 oz/A + 1 % + 4	81	99	99	99	99	59.5	17.5	131.3	135	\$1.76	\$0.0620	130	1.6980	\$33.11	187.62	144
Accent Gold + Aim + COC + 28%	2.9 oz + 0.32 oz + 1 % + 4	94	96	99	97	99	59.4	17.3	140.8	144	\$1.76	\$0.0583	139	1.7017	\$34.26	202.91	159
Weedy Check	-	0	0	0	0	0	59.1	18.0	8.0	8	\$1.76	\$0.0745	8	1.6855	\$0.00	13.27	(31)
	LSD(0.10)	6	4	4	2	1	0.6	0.6	16.6								
Corn Price = \$1.76	Drying Cost \$0.025/pt to 15.5%	Shrink = 1.35%/ pt to 15.5 %															