

## FIELD EXPERIMENT HISTORY

**Title:** Corn/Soybean/Wheat Rotation Study  
**Experiment:** 09 CSW - Corn, Soybean, Silage      **Trial ID:** 2921      **Year:** 2006  
**Personnel:** J. G. Lauer, J.M. Gaska, K. D. Kohn, J.H. Hopf  
**Location:** Arlington, WI      **County:** Columbia  
**Supported By:** HATCH

### Site Information

**Field:** ARS335      **Previous Crop:** Corn/Soybean/Wheat      **Soil Type:** Plano Silt Loam  
**Soil Test:**      **Date:** 5 /6 /04      **pH** 6.9      **OM (%)** 2.9      **P (ppm)** 32      **K (ppm)** 150

### Plot Management

**Tillage Operations:** No-Till

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
<b>Fertilizer:</b>			
<b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	N/A	N/A	N/A
<b>Post plant :</b>	28-0-0	70 gpa	5/5/06
	34-0-0	150 lb/a	6/23/06
<b>Manure:</b>	N/A	N/A	
<b>Herbicide:</b>	2,4-D 12 oz/a 4/27/06	<b>Insecticide:</b>	Force 3G 4.4 lbs/A 4/27/06
	Dual II Mag 24 oz/a 4/27/06		Prozap 10 lb/a 4/27/06
	Mirage Plus 32 oz/a 6/13/06		
<b>Irrigation:</b>	None	<b>Hybrid:</b>	Corn: LH244RRxLH 273 Bt
			Soy: Kaltenberg KB206RR
<b>Planting Date:</b>	Corn: 4/28/06 <b>Planting Depth:</b>	Corn: 1.5" <b>Row Width:</b> 30"	
	Soybean: 5/6/06	Soybean: 1"	
<b>Target Plant Density:</b>	Corn: 32500	<b>Planting Method:</b>	Kinze 2000 Interplant planter
	Soybean: 150000	<b>Harvest Method:</b>	C: Kincaid Soy: Almaco Sil: 707 silage harvester
<b>Harvest Date:</b>	Corn: 10/26/06		
	Soybean: 10/9/06		
	Silage: 9/13/06		

### Experimental Design

**Design:** RCB split plot      **Replications:** 3  
**Plot Size Seeded:** 60' x 60'      **Experiment Size:** 3.5 Acres  
**Harvest Plot Size:** 5' x 56'  
**Factors/Treatments:**

#### Rotation:

Livestock System - Corn(silage)/Winter Wheat(straw removed)/Soybean  
 Continuous - Corn, Soybean, or Winter Wheat  
 Alternating - Corn/Soybean  
 Grain System I - Corn/Soybean(early)/Winter Wheat(red clover)  
 Grain System II - Corn(early)/Winter Wheat(red clover)/Soybean

#### Seed Treatment:

C: Maxim XL  
 Maxim + Apron XL  
 Maxim + Azoxystrobin  
 Captan + Apron XL  
 S: UTC  
 SoyGard  
 Rival/alleg  
 ApronMaxx

**Results: Table C-53, 54 and 55.**

**Table C-53. Corn, Soybean, and Wheat Rotation-Corn  
Arlington, WI - 2006.**

Rotation	Fungicide	Yield bu/A	Moisture %	Test Weight lbs/bu	Grower Return \$/A	Lodged			Harvest plants/A	Grain Composition			Ethanol	
						Total %	Stalk %	Root %		Oil %	Starch %	Protein %	per bu gallons	per A gallons
	Captan+Apron XL	178	22.1	51.8	540	10	0	10	31114	3.8	59.6	7.5	2.86	510
	Maxim+Apron XL	188	21.5	51.3	570	7	0	6	31529	3.8	59.4	7.5	2.85	537
	Maxim+Azoxystrobin	191	21.2	51.3	578	3	0	3	31944	3.8	59.4	7.5	2.86	546
	Maxim XL	198	21.5	51.2	600	5	0	5	31529	3.8	59.4	7.5	2.85	563
Continuous Corn		167	29.1	51.3	484	10	0	9	29870	3.8	59.9	7.5	2.84	475
Corn/Soybean		211	24.8	52.6	627	1	0	1	32774	3.8	60.1	7.5	2.85	602
Grain System I		200	26.1	52.9	591	13	0	13	30782	3.8	59.9	7.7	2.84	570
Grain System II		175	6.2	48.8	587	1	0	1	32691	3.6	57.8	7.2	2.89	507
Continuous Corn	Captan+Apron XL	145	31.0	50.8	412	14	0	14	28874	3.8	60.2	7.4	2.84	410
Continuous Corn	Maxim+Apron XL	156	29.0	51.3	450	11	2	9	30533	3.8	59.6	7.6	2.84	442
Continuous Corn	Maxim+Azoxystrobin	182	28.1	51.5	529	4	0	4	30202	3.9	59.7	7.7	2.83	514
Continuous Corn	Maxim XL	187	28.1	51.5	544	9	0	9	29870	3.8	60.2	7.3	2.85	534
Corn/Soybean	Captan+Apron XL	212	25.0	53.2	630	0	0	0	31529	3.8	60.2	7.5	2.86	606
Corn/Soybean	Maxim+Apron XL	205	24.4	52.4	612	0	0	0	33520	3.8	60.2	7.7	2.84	584
Corn/Soybean	Maxim+Azoxystrobin	215	24.6	52.6	641	0	0	0	33520	3.8	60.1	7.4	2.87	617
Corn/Soybean	Maxim XL	211	25.3	52.2	625	2	0	2	32525	3.8	59.9	7.6	2.84	600
Grain System I	Captan+Apron XL	190	26.2	53.4	560	22	0	22	30865	3.8	60.0	7.7	2.84	540
Grain System I	Maxim+Apron XL	190	26.4	52.9	560	16	0	16	31197	3.9	59.8	7.6	2.84	540
Grain System I	Maxim+Azoxystrobin	211	25.8	52.5	624	8	0	8	30865	3.8	60.1	7.4	2.86	605
Grain System I	Maxim XL	210	26.2	52.8	619	7	0	7	30202	3.9	59.8	8.0	2.82	593
Grain System II	Captan+Apron XL	166	6.1	49.7	556	2	0	2	33189	3.62	57.9	7.2	2.90	482
Grain System II	Maxim+Apron XL	209	6.2	48.5	701	0	0	0	30865	3.6	58.1	7.1	2.89	607
Grain System II	Maxim+Azoxystrobin	155	6.2	48.5	518	1	0	1	33189	3.6	57.7	7.4	2.89	448
Grain System II	Maxim XL	182	6.3	48.4	610	1	0	1	33520	3.7	57.7	7.1	2.89	526
Mean		189	21.6	51.4	572	6	0	6	31529	3.8	59.4	7.5	2.86	539
<b>Probability(%)</b>														
Rotation (R)		2.5	0.0	0.2	5.2	40.3	45.7	41.7	9.6	0.2	0.0	1.7	0.2	3.4
Fungicide (F)		0.5	0.6	10.9	0.8	1.3	48.0	1.4	81.0	66.1	23.0	96.7	22.4	0.5
R x F		1.6	0.1	20.6	1.8	7.5	51.9	7.7	73.9	46.8	0.7	7.5	2.7	1.3
<b>LSD (0.10)</b>														
Rotation (R)		23	0.8	1.2	77	NS	NS	NS	2032	0.1	0.2	0.2	0.02	68
Fungicide (F)		6	0.4	NS	27	3	NS	3	NS	NS	NS	NS	NS	24
R x F		17	0.8	NS	55	6	NS	6	NS	NS	0.3	0.3	0.02	49
<b>CV(%)</b>														
		6	3	1	7	70	693	72	7	2	0	3	0	6

**Table C-54. Corn, Soybean, and Wheat Rotation-Silage  
Arlington, WI - 2006.**

Fungicide	Plant population plants/A	Whole Plant										
		Dry Matter		Kernel	Crude	<i>In Vitro</i>			Milk per			
		Yield tons/A	Moisture %	Milk %	Protein %	ADF %	NDF %	Digest %	NDFD %	Starch %	Ton lbs/T	Acre lbs/T
Captan+Apron XL	33520	7.2	68.5	36.7	7.0	23.9	45.6	78.3	52.5	35.0	3007	21775
Maxim+Apron XL	33852	7.9	68.9	48.3	6.8	24.6	46.6	77.5	51.6	33.4	2951	23473
Maxim+Azoxystrobin	35180	7.5	68.8	38.3	6.7	24.3	44.8	76.7	48.0	37.0	2928	22001
Maxim+XL	34848	7.6	68.3	40.0	6.6	24.6	46.1	77.3	50.8	34.3	2948	22460
Mean	34350	7.6	68.6	40.8	6.8	24.3	45.8	77.5	50.7	34.9	2959	22427
<b><u>Probability(%)</u></b>												
Fungicide	12.0	37.5	96.8	27.8	29.9	93.1	83.7	39.9	8.5	48.9	68.5	57.7
<b><u>LSD (0.10)</u></b>												
Fungicide	NS	NS	NS	NS	NS	NS	NS	NS	1.1	NS	NS	NS
<b><u>CV(%)</u></b>												
	2	6	2	17	3	7	5	1	3	8	3	7

**Table C-55. Corn, Soybean, and Wheat Rotation-Soybean  
Arlington, WI - 2006.**

Rotation	Fungicide	Yield bu/A	Moisture %	Grower return \$/A	Height inches	Lodging 1 to 5	Seed Composition		Protein lbs/A	Oil lbs/A	Protein + Oil lbs/A
							Oil %	Protein %			
	ApronMaxx	60.8	14.0	373	37.4	1	18.6	34.6	1262	679	1941
	Rival/Allegiance	60.9	14.1	374	37.4	1	18.6	34.6	1266	679	1945
	Soyguard	61.7	14.0	379	37.7	1	18.5	34.9	1291	684	1975
	UTC	61.0	13.9	375	36.5	1	18.5	34.9	1277	677	1955
Continuous Soybean Grain System I		55.0	13.8	338	37.3	1	18.6	35.3	1166	613	1779
Grain System II		65.1	14.2	400	35.6	1	18.5	34.4	1345	723	2068
Livestock System		61.5	14.0	378	39.3	1	18.7	34.3	1266	689	1955
Soybean/Corn		66.4	14.0	408	35.3	1	18.5	35.0	1395	734	2129
		57.5	14.0	353	38.9	1	18.6	34.7	1198	640	1839
Continuous Soybean	ApronMaxx	56.2	13.9	345	37.3	1	18.5	35.3	1190	625	1815
Continuous Soybean	Rival/Allegiance	53.7	14.1	330	39.0	1	18.6	35.0	1129	600	1728
Continuous Soybean	Soyguard	55.0	13.6	337	37.7	1	18.5	35.5	1171	610	1781
Continuous Soybean	UTC	55.2	13.7	339	35.3	1	18.6	35.5	1175	617	1793
Grain System I	ApronMaxx	65.5	14.1	402	36.7	1	18.8	34.1	1341	737	2079
Grain System I	Rival/Allegiance	65.4	14.3	401	35.7	1	18.4	34.6	1360	720	2079
Grain System I	Soyguard	67.6	14.5	415	35.7	1	18.5	34.5	1399	749	2148
Grain System I	UTC	61.9	13.8	380	34.3	1	18.5	34.5	1279	685	1965
Grain System II	ApronMaxx	59.8	14.1	367	39.3	1	18.7	34.1	1223	671	1893
Grain System II	Rival/Allegiance	62.2	14.0	382	38.7	1	18.8	34.0	1269	703	1973
Grain System II	Soyguard	62.1	13.8	381	39.0	1	18.4	34.7	1291	687	1978
Grain System II	UTC	62.0	13.9	381	40.0	1	18.7	34.4	1282	695	1976
Livestock System	ApronMaxx	65.4	13.9	402	35.3	1	18.5	34.8	1367	727	2094
Livestock System	Rival/Allegiance	65.5	14.0	402	34.3	1	18.6	34.8	1371	731	2101
Livestock System	Soyguard	67.3	14.2	413	37.3	1	18.5	34.9	1412	747	2159
Livestock System	UTC	67.3	14.0	413	34.0	1	18.2	35.4	1430	733	2163
Soybean/Corn	ApronMaxx	57.1	14.1	351	38.3	1	18.5	34.7	1188	635	1823
Soybean/Corn	Rival/Allegiance	57.7	13.8	354	39.3	1	18.6	34.7	1203	642	1844
Soybean/Corn	Soyguard	56.6	13.9	348	39.0	1	18.5	34.7	1181	629	1810
Soybean/Corn	UTC	58.7	14.2	361	39.0	2	18.7	34.6	1220	656	1877
Mean		61.1	14.0	375	37.3	1	18.6	34.7	1274	680	1954
<b>Probability(%)</b>											
Rotation (R)		1.1	26.0	1.1	29.0	46.1	90.4	6.0	2.4	0.4	1.3
Fungicide (F)		71.0	46.9	71.0	46.4	40.6	39.8	8.1	43.5	86.8	59.3
R x F		29.9	10.5	29.9	67.3	47.2	22.6	49.6	28.8	14.9	24.0
<b>LSD (0.10)</b>											
Rotation (R)		NS	NS	30	NS	NS	NS	0.6	112	45	155
Fungicide (F)		NS	NS	NS	NS	NS	NS	0.2	NS	NS	NS
R x F		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>CV(%)</b>											
		4	2	4	6	11	1	1	4	4	4

## FIELD EXPERIMENT HISTORY

**Title:** Corn/Soybean/Wheat Rotation Study  
**Experiment:** 09 CSW - Wheat **Trial ID:** 2923 **Year:** 2006  
**Personnel:** J. G. Lauer, J.M. Gaska, K. D. Kohn, J.H. Hopf  
**Location:** Arlington, WI **County:** Columbia  
**Supported By:** HATCH

### Site Information

**Field:** ARS335 **Previous Crop:** Corn/Soybean/Wheat **Soil Type:** Plano Silt Loam  
**Soil Test:** **Date:** 5 /6 /04 **pH:** 6.9 **OM (%)** 2.9 **P (ppm)** 32 **K (ppm)** 150

### Plot Management

**Tillage Operations:** No-Till

		<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>	
<b>Fertilizer:</b>	<b>Preplant :</b>	N/A	N/A	N/A	
	<b>Starter :</b>	N/A	N/A	N/A	
	<b>Post plant :</b>	See Factors	N/A	N/A	
	<b>Manure:</b>	N/A	N/A		
<b>Herbicide:</b>	2,4-d 12 oz/a 4/27/06		<b>Insecticide:</b>	N/A	
<b>Irrigation:</b>	None		<b>Hybrid:</b>	Kaskaskia	
<b>Planting Date:</b>	10/5/05	<b>Planting Depth:</b>	1"	<b>Row Width:</b>	7.5"

**Target Plant Density:** 1.5 million plants/acre

**Harvest Date:** 7/24/06 **Planting Method:** JD 750 No-Till Drill  
**Harvest Method:** Almaco Plot Combine

### Experimental Design

**Design:** RCB split plot **Replications:** 3  
**Plot Size Seeded:** 60' x 60' **Experiment Size:** 3.5 Acres  
**Harvest Plot Size:** 5' x 26'

#### **Factors/Treatments:**

##### Rotation:

Livestock System - Corn(silage)/Winter Wheat(straw removed)/Soybean	00 lbs.
Continuous - Corn, Soybean, or Winter Wheat	25 lbs.
Alternating - Corn/Soybean	50 lbs.
Grain System I - Corn/Soybean(early)/Winter Wheat(red clover)	75 lbs.
Grain System II - Corn(early)/Winter Wheat(red clover)/Soybean	100 lbs.
	125 lbs.

##### Nitrogen Application:

**Results: Table C-56.**

**Table C-56. Corn, Soybean, and Wheat Rotation - Wheat  
Arlington, WI - 2006.**

Rotation	Nitrogen	Yield	Moisture	Test Weight	Grower return	Height	Lodging	Residue Cover
	lbs/A	bu/A	%	lbs/bu	\$/A	inches	1 to 5	%
	0	65.2	13.7	57.4	248	36.1	1	49.5
	25	70.3	13.4	56.9	268	37.4	1	49.5
	50	70.6	13.4	56.2	269	36.8	2	49.5
	75	74.4	13.1	57.1	283	38.2	3	49.5
	100	73.3	13.2	57.0	279	37.9	3	49.5
	125	66.1	12.9	56.9	252	37.6	4	49.5
Grain System I		74.0	13.3	57.1	282	38.4	2	54.3
Grain System II		66.0	13.2	56.6	252	35.9	2	66.4
Livestock System		69.9	13.3	57.1	266	37.7	2	27.8
Grain System I	0	69.8	13.8	57.9	266	36.3	1	54.3
Grain System I	25	73.6	13.5	56.9	280	38.5	1	54.3
Grain System I	50	75.5	13.2	56.1	288	38.3	3	54.3
Grain System I	75	76.9	13.2	57.4	293	39.2	3	54.3
Grain System I	100	77.5	13.3	56.9	295	39.2	3	54.3
Grain System I	125	71.0	13.0	57.2	270	38.8	4	54.3
Grain System II	0	64.8	13.6	57.1	247	34.7	1	66.4
Grain System II	25	63.6	13.3	56.3	242	36.2	1	66.4
Grain System II	50	63.0	13.5	56.2	240	34.5	1	66.4
Grain System II	75	74.4	12.9	56.8	283	37.0	2	66.4
Grain System II	100	68.4	12.9	56.7	261	37.0	3	66.4
Grain System II	125	61.9	12.9	56.6	236	36.3	3	66.4
Livestock System	0	60.9	13.6	57.2	232	37.2	1	27.8
Livestock System	25	73.6	13.5	57.5	281	37.7	1	27.8
Livestock System	50	73.4	13.4	56.3	279	37.7	2	27.8
Livestock System	75	71.9	13.1	57.1	274	38.5	2	27.8
Livestock System	100	73.9	13.4	57.3	282	37.5	3	27.8
Livestock System	125	65.5	12.9	57.1	249	37.5	4	27.8
Mean		70.0	13.3	56.9	267	37.3	2	49.5
<b>Probability(%)</b>								
Rotation (R)		2.6	85.5	60.4	2.6	2.4	61.1	0.0
Nitrogen (N)		0.1	0.1	2.6	0.1	4.7	0.0	0.0
R x N		34.0	88.5	88.9	34.0	90.2	6.2	0.0
<b>LSD (0.10)</b>								
Rotation (R)		3.7	NS	NS	14	1.1	NS	0.0
Nitrogen (N)		3.5	0.3	1.0	15	1.2	0	0.0
R x N		NS	NS	NS	NS	NS	1	0.0
<b>CV(%)</b>								
		10	4	2	10	6	26	0

**Table C-57. Corn, Soybean, and Wheat Rotation - Wheat 100 lb. N/acre  
Arlington, WI - 2006.**

Rotation	Yield bu/A	Moisture %	Test Weight lbs/bu	Grower return \$/A	Height inches	Lodging 1 to 5	Residue cover %
Continuous Wheat	45.0	13.3	55.8	171	35.7	2	67.9
Grain System I	77.5	13.3	56.9	295	39.2	3	54.3
Grain System II	68.4	12.9	56.3	261	37.0	3	66.4
Livestock System	73.9	13.4	57.5	282	37.5	3	27.8
	66.2	13.2	56.6	252	37.3	3	54.1
<b><u>Probability(%)</u></b>							
Rotation	0.5	33.9	36.8	0.5	8.8	27.6	0.0
<b><u>LSD (0.10)</u></b>							
Rotation	11.0	NS	NS	42	2.1	NS	5.9
<b><u>CV(%)</u></b>							
	10	3	2	10	4	38	7

**Table C-58. Corn, Soybean, and Wheat Rotation. Corn Quality.  
Arlington, WI - 2005.**

Crop	Rotation	Fungicide	Grain Composition			Ethanol	
			Oil	Starch	Protein	per bu	per A
			%	%	%	gallons	gallons
Corn		Captan + Apron XL	3.5	60.5	7.9	2.86	504
Corn		Maxim + Apron XL	3.5	60.5	8.0	2.87	524
Corn		Maxim + Azoxystrobin	3.5	60.6	8.0	2.87	531
Corn		Maxim XL	3.5	60.6	7.9	2.87	534
Corn	Continuous		3.5	60.5	8.2	2.85	488
Corn	Alternating		3.5	60.3	8.2	2.84	467
Corn	Grain System I		3.5	60.8	7.6	2.89	604
Corn	Grain System II		3.5	60.7	7.7	2.88	535
Corn	Continuous	Captan + Apron XL	3.5	60.4	8.3	2.85	496
Corn	Continuous	Maxim + Apron XL	3.5	60.3	8.3	2.85	485
Corn	Continuous	Maxim + Azoxystrobin	3.5	60.8	8.1	2.86	466
Corn	Continuous	Maxim XL	3.5	60.3	8.1	2.86	503
Corn	Alternating	Captan + Apron XL	3.5	60.2	8.1	2.84	418
Corn	Alternating	Maxim + Apron XL	3.5	60.2	8.3	2.83	467
Corn	Alternating	Maxim + Azoxystrobin	3.5	60.4	8.3	2.84	517
Corn	Alternating	Maxim XL	3.6	60.2	8.2	2.84	465
Corn	Grain System I	Captan + Apron XL	3.5	60.7	7.6	2.89	566
Corn	Grain System I	Maxim + Apron XL	3.5	60.8	7.6	2.90	614
Corn	Grain System I	Maxim + Azoxystrobin	3.5	60.6	7.7	2.89	604
Corn	Grain System I	Maxim XL	3.5	61.0	7.5	2.90	632
Corn	Grain System II	Captan + Apron XL	3.5	60.7	7.7	2.87	536
Corn	Grain System II	Maxim + Apron XL	3.5	60.7	7.7	2.88	529
Corn	Grain System II	Maxim + Azoxystrobin	3.5	60.7	7.8	2.88	538
Corn	Grain System II	Maxim XL	3.5	60.7	7.7	2.88	537
<b>Mean</b>			3.5	60.6	7.9	2.87	523
<b>Probability(%)</b>							
Rotation (R)			51.4	2.5	1.5	0.1	3.8
Fungicide (F)			96.6	84.3	64.7	81.9	46.1
R x F			97.8	79.0	96.0	95.1	64.0
<b>LSD (0.10)</b>							
Rotation (R)			NS	0.2	0.3	0.01	72
Fungicide (F)			NS	NS	NS	NS	NS
R x F			NS	NS	NS	NS	NS
<b>CV(%)</b>			2	1	3	1	10



**Table C-59. Corn, Soybean, and Wheat Rotation. Corn Quality.  
Arlington, WI - 2004.**

Crop	Rotation	Fungicide	Grain Composition			Ethanol	
			Oil	Starch	Protein	per bu	per A
			%	%	%	gallons	gallons
Corn		Captan + Allegiance	3.4	61.1	7.0	2.90	574
Corn		Maxim XL	3.4	60.9	7.1	2.90	555
Corn		Maxim XL + Apron XL	3.5	60.9	7.1	2.89	560
Corn		Maxim XL + Azoxystrobin	3.4	61.1	7.1	2.90	587
Corn	Continuous		3.4	61.4	6.7	2.91	530
Corn	Alternating		3.4	61.3	6.8	2.92	590
Corn	Grain system I		3.5	60.7	7.3	2.89	644
Corn	Grain system II		3.4	60.6	7.6	2.87	552
Corn	Continuous	Captan + Allegiance	3.4	61.4	6.7	2.90	542
Corn	Continuous	Maxim XL	3.4	61.5	6.5	2.92	532
Corn	Continuous	Maxim XL + Apron XL	3.4	61.3	6.7	2.91	525
Corn	Continuous	Maxim XL + Azoxystrobin	3.4	61.5	6.9	2.90	520
Corn	Alternating	Captan + Allegiance	3.4	61.3	6.6	2.92	603
Corn	Alternating	Maxim XL	3.3	61.1	7.0	2.90	573
Corn	Alternating	Maxim XL + Apron XL	3.4	61.4	6.8	2.91	589
Corn	Alternating	Maxim XL + Azoxystrobin	3.4	61.2	6.8	2.92	592
Corn	Grain system I	Captan + Allegiance	3.4	60.6	7.4	2.89	648
Corn	Grain system I	Maxim XL	3.5	60.7	7.0	2.90	585
Corn	Grain system I	Maxim XL + Apron XL	3.6	60.6	7.3	2.88	589
Corn	Grain system I	Maxim XL + Azoxystrobin	3.4	60.8	7.4	2.89	730
Corn	Grain system II	Captan + Allegiance	3.4	60.8	7.5	2.88	554
Corn	Grain system II	Maxim XL	3.4	60.3	7.9	2.86	546
Corn	Grain system II	Maxim XL + Apron XL	3.5	60.3	7.7	2.86	555
Corn	Grain system II	Maxim XL + Azoxystrobin	3.4	61.0	7.5	2.88	553
Mean			3.4	61.0	7.1	2.90	569
<b>Probability(%)</b>							
Rotation (R)			63.2	0.7	0.5	7.1	8.2
Fungicide (F)			34.3	49.8	73.1	71.6	20.4
R x F			95.3	52.8	54.2	67.2	33.1
<b>LSD (0.10)</b>							
Rotation (R)			NS	0.3	0.3	0.03	47
Fungicide (F)			NS	NS	NS	NS	NS
R x F			NS	NS	NS	NS	NS
<b>CV(%)</b>			3	1	5	1	6