

**FIELD EXPERIMENT HISTORY**

**Title:** Multi-factor effects for continuous corn  
**Experiment:** 19Systems **Trial ID** 6681 **Year** 2022  
**Personnel:** J.G. Lauer, T. Diallo and K.D. Kohn  
**Location:** Arlington, WI **County:** Columbia  
**Supported By:** HATCH

**Site Information**

**Field:** ARS336 **Previous Crop:** See factors **Soil Type:** Plano Silt Loam  
**Soil Test:** **Date** 12/7/2022 **pH** 5.8 **OM (%)** 3.1 **P (ppm)** 15 **K (ppm)** 125

**Plot Management**

**Tillage Operations:** CT & NT Field cultivator 2x (CT only)

<b>Fertilizer:</b>		<b>Analysis:</b>	<b>Rate lbs/A:</b>	<b>Date:</b>
<b>Preplant :</b>		N/A	N/A	N/A
<b>Starter :</b>		N/A	N/A	N/A
<b>Post plant :</b>		32-0-0	See factors	6 /20/22
<b>Manure:</b>		N/A	N/A	N/A

**Herbicide:** 06-May-22 Medal II EC @ 24 oz/acre  
 22-Jun-22 Roundup PowerMAX @ 30 oz/acre

**Insecticide:** N/A

**Hybrid:** 1) C: RR Jung 53DP511  
 2) C: SS DKC54-64RIB  
 3) Soybean: Asgrow 1243R2X

**Irrigation:** None

**Planting Date:** C: 5/23/22  
 S: 5/23/22

**Planting Depth:** 1.5"

**Row Width:** 30"

**Target Plant Density:** See Factors

**Harvest Date:** C: 11/3/22  
 S: 10/18/22

**Planting Method:** JD1700 w RTK

**Harvest Method:** MF 8XP combine

**Notes:**

**Experimental Design**

**Design:** FracRep: split-split-plot

**Replications:** 1

**Plot Size Seeded:** MP: 10' x 35'

**Experiment Size:** 0.5 Ac

**Harvest Plot Size:** 5' x 31'

**Harvest Plant Density:** See Factors

**Factors/Treatments:**

<b>Tillage:</b>	<b>Nitrogen Rate:</b>	<b>Fungicide:</b>
1) No-Till	1)- 160 lbs/A	1) - UTC
2) Conventional	2) - 210 lbs/A	2) - Headline

**Micro Nutrients:**

1) - UTC  
 2) - Quatro

**Plant Density:**

1-35000 Plants/A  
 2-45000 Plants/A

**Genotype:**

1) RR: 53DP511  
 2) SS: DKC54-64RIB

**Results: Table 2219-02**

**Table: 2219-02. Multi-factor effects on continuous corn.  
Arlington, WI - 2022**

Tillage	Genotype	Plant Density plants/A	N rate lbs/A	Micro Mix	Fungicide	Grain yield bu/A	Grain moisture %	Test weight lbs	Lodged			Harvest density plants/A	AGI \$6.09/bu \$
									Total %	Stalk %	Root %		
					Headline	170	23.1	53.8	3.9	1.7	2.2	35130	969
					UTC	177	22.3	53.1	4.2	3.0	1.3	35901	1015
					Quatro	172	22.8	53.4	2.7	0.3	2.4	35875	985
					Quatro Headline	171	22.6	54.0	3.3	0.6	2.8	33979	980
					Quatro UTC	173	23.0	52.8	2.0	0.0	2.0	37771	990
					UTC	175	22.6	53.5	5.4	4.3	1.1	35156	998
					UTC Headline	168	23.6	53.7	4.4	2.8	1.6	36281	958
					UTC UTC	181	21.6	53.4	6.5	5.9	0.6	34031	1039
		160				169	22.8	53.6	3.2	0.8	2.4	35344	969
		160			Headline	165	23.1	53.7	3.3	0.7	2.6	34031	943
		160			UTC	174	22.5	53.5	3.1	0.9	2.2	36656	996
		160	Quatro			164	22.8	53.6	4.7	0.6	4.1	34750	937
		160	UTC			175	22.8	53.6	1.7	1.1	0.6	35938	1001
		210				177	22.6	53.3	4.9	3.8	1.1	35688	1015
		210			Headline	174	23.2	54.0	4.4	2.6	1.8	36229	995
		210			UTC	181	22.1	52.6	5.4	5.0	0.4	35146	1034
		210	Quatro			181	22.8	53.2	0.6	0.0	0.6	37000	1033
		210	UTC			174	22.4	53.5	9.1	7.6	1.6	34375	996
		35000				174	22.4	53.5	3.5	1.3	2.2	34031	997
		35000			Headline	171	22.8	54.1	3.6	0.8	2.8	34281	980
		35000			UTC	177	22.1	52.9	3.5	1.9	1.6	33781	1014
		35000	Quatro			168	22.8	53.5	3.5	0.0	3.5	34125	964
		35000	UTC			180	22.0	53.5	3.5	2.6	0.9	33938	1031
		35000	160			169	22.8	53.4	3.7	0.5	3.2	33813	966
		35000	210			179	22.0	53.6	3.3	2.2	1.2	34250	1028
		45000				173	23.0	53.4	4.6	3.3	1.3	37000	987
		45000			Headline	168	23.5	53.6	4.2	2.6	1.6	35979	958
		45000			UTC	178	22.5	53.3	5.0	4.1	1.0	38021	1016
		45000	Quatro			176	22.8	53.3	1.8	0.6	1.2	37625	1007
		45000	UTC			169	23.2	53.5	7.4	6.0	1.3	36375	966
		45000	160			170	22.8	53.8	2.8	1.2	1.5	36875	972
		45000	210			175	23.2	53.1	6.4	5.4	1.0	37125	1001
	53DP511					169	23.8	53.3	5.0	2.5	2.5	34094	962
	53DP511				Headline	166	24.3	53.9	5.9	2.1	3.8	33031	941
	53DP511				UTC	172	23.2	52.7	4.1	2.9	1.2	35156	982
	53DP511			Quatro		167	24.3	53.0	3.3	0.6	2.7	34000	950
	53DP511			UTC		171	23.3	53.6	6.6	4.4	2.2	34188	974
	53DP511		160			160	23.7	53.5	5.1	1.7	3.4	33688	910
	53DP511		210			178	23.8	53.1	4.9	3.3	1.6	34500	1013
	53DP511	35000				168	23.0	53.6	4.3	1.3	3.0	32313	959
	53DP511	45000				170	24.5	53.0	5.7	3.7	1.9	35875	965

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**Table: 2219-02. Multi-factor effects on continuous corn.**

(continued)

**Arlington, WI - 2021**

Tillage	Genotype	Plant	N	Micro Mix	Fungicide	Grain	Grain	Test	Lodged			Harvest	AGI
		Density	rate			yield	moisture	weight	Total	Stalk	Root	density	\$6.09/bu
		plants/A	lbs/A			bu/A	%	lbs	%	%	%	plants/A	\$
	DKC54-64SSRIB					178	21.6	53.6	3.1	2.1	1.0	36938	1022
	DKC54-64SSRIB				Headline	174	21.9	53.8	1.8	1.2	0.6	37229	997
	DKC54-64SSRIB				UTC	182	21.3	53.5	4.4	3.0	1.4	36646	1047
	DKC54-64SSRIB			Quatro		178	21.3	53.8	2.0	0.0	2.0	37750	1021
	DKC54-64SSRIB			UTC		178	22.0	53.4	4.2	4.2	0.0	36125	1023
	DKC54-64SSRIB		160			179	21.9	53.7	1.4	0.0	1.4	37000	1028
	DKC54-64SSRIB		210			177	21.4	53.5	4.9	4.2	0.6	36875	1016
	DKC54-64SSRIB	35000				181	21.9	53.4	2.7	1.4	1.4	35750	1036
	DKC54-64SSRIB	45000				176	21.4	53.9	3.5	2.9	0.6	38125	1008
CT						191	21.9	54.4	5.3	1.9	3.4	37068	1098
CT					Headline	192	21.9	54.9	5.7	1.3	4.4	37135	1101
CT					UTC	191	21.8	53.8	4.8	2.4	2.4	37000	1094
CT				Quatro		195	21.8	54.5	5.9	1.2	4.8	37729	1118
CT				UTC		188	21.9	54.3	4.6	2.6	2.0	36406	1077
CT			160			188	21.3	54.9	5.9	1.3	4.6	37281	1078
CT			210			195	22.4	53.8	4.6	2.4	2.2	36854	1117
CT		35000				192	21.4	54.6	5.0	0.8	4.2	34406	1102
CT		45000				191	22.4	54.1	5.5	2.9	2.5	39729	1093
CT	53DP511					190	22.7	53.8	7.2	2.5	4.7	35781	1085
CT	DKC54-64SSRIB					193	21.0	54.9	3.3	1.3	2.0	38354	1110
NT						155	23.5	52.6	2.9	2.7	0.1	33964	886
NT					Headline	147	24.4	52.7	2.0	2.0	0.0	33125	837
NT					UTC	164	22.7	52.4	3.7	3.5	0.2	34802	935
NT				Quatro		150	23.8	52.3	-0.5	-0.6	0.0	34021	852
NT				UTC		161	23.3	52.8	6.3	6.1	0.2	33906	920
NT			160			151	24.2	52.3	0.5	0.3	0.2	33406	860
NT			210			160	22.9	52.8	5.2	5.2	0.0	34521	912
NT		35000				156	23.5	52.4	2.0	1.8	0.2	33656	893
NT		45000				154	23.6	52.7	3.7	3.7	0.0	34271	880
NT	53DP511					148	24.8	52.8	2.7	2.5	0.2	32406	838
NT	DKC54-64SSRIB					163	22.3	52.4	3.0	3.0	0.0	35521	934
Mean						173	22.7	53.5	4.1	2.3	1.7	35516	992

**Probability(%)**

Fungicide	4.3	13.9	17.8	79.4	28.3	46.3	58.0	3.3
Genotype	1.8	0.1	55.7	22.9	75.4	25.5	5.8	0.8
Genotype*Fungicide	77.6	65.0	46.3	15.8	65.8	20.4	35.8	82.0
Genotype*Micro	69.6	17.8	35.9	72.5	86.6	56.3	53.6	61.6
Genotype*NRate	1.1	64.8	88.2	23.7	30.2	67.2	74.8	1.2
Genotype*PD	33.2	10.5	31.7	85.0	70.2	88.6	68.4	42.3
Micro	53.2	75.7	81.8	7.9	0.3	31.3	61.5	53.0
Micro*Fungicide	14.1	5.3	42.9	27.6	15.4	92.5	5.0	10.3
NRate	3.9	77.7	65.2	27.4	2.3	31.0	80.9	3.9
NRate*Fungicide	71.3	67.1	29.8	70.0	37.7	69.0	21.3	73.8
NRate*Micro	2.3	68.9	72.7	0.1	0.9	10.0	20.1	2.6

continue

**Table: 2219-02 . Multi-factor effects on continuous corn.(continued) Arlington, WI - 2020**

Tillage	Genotype	Plant	N	Micro	Mix	Fungicide	Grain	Grain	Test	Lodged			Harvest	AGI
		Density	rate				yield	moisture	weight	Total	Stalk	Root	density	\$6.09/bu
		plants/A	lbs/A				bu/A	%	lbs	%	%	%	plants/A	\$
Mean							197	31.6	51.7	0.5	0.4	0.0	37531	589
<b>Probability(%)</b>														
PD							68.2	33.9	88.8	47.2	10.8	46.2	4.8	60.9
PD*Fungicide							57.1	81.6	45.0	73.9	87.6	80.5	38.8	56.2
PD*Micro							2.1	32.7	92.8	8.2	26.3	29.6	71.6	1.8
PD*NRate							48.9	30.3	41.3	19.5	32.0	54.6	94.9	43.2
Tillage							0.0	0.6	0.4	11.2	46.4	1.4	3.6	0.0
Tillage*Fungicide							2.9	18.5	48.0	40.9	90.3	38.7	53.6	2.2
Tillage*Genotype							10.5	44.6	22.8	18.6	51.0	33.5	85.2	10.3
Tillage*Micro							1.8	63.5	54.9	1.5	4.8	25.7	67.9	1.7
Tillage*NRate							89.3	4.9	16.3	6.4	14.1	40.0	59.8	75.1
Tillage*PD							85.8	44.6	46.3	66.9	95.1	57.1	11.8	92.1
<b>LSD(0.10)</b>														
Fungicide							6	NS	NS	NS	NS	NS	NS	29
Genotype							6	1.0	NS	NS	NS	NS	2432	30
Genotype*Fungicide							NS	NS	NS	NS	NS	NS	NS	NS
Genotype*Micro							NS	NS	NS	NS	NS	NS	NS	NS
Genotype*NRate							9	NS	NS	NS	NS	NS	NS	43
Genotype*PD							NS	NS	NS	NS	NS	NS	NS	NS
Micro							NS	NS	NS	3	2	NS	NS	NS
Micro*Fungicide							NS	1	NS	NS	NS	NS	3439	NS
NRate							6	NS	NS	NS	2	NS	NS	30
NRate*Fungicide							NS	NS	NS	NS	NS	NS	NS	NS
NRate*Micro							9	NS	NS	4	3	NS	NS	43
PD							NS	NS	NS	NS	NS	NS	2432	NS
PD*Fungicide							NS	NS	NS	NS	NS	NS	NS	NS
PD*Micro							9	NS	NS	4	NS	NS	NS	43
PD*NRate							NS	NS	NS	NS	NS	NS	NS	NS
Tillage							6	0.9	1	NS	NS	2	2373	29
Tillage*Fungicide							9	NS	NS	NS	NS	NS	NS	42
Tillage*Genotype							NS	NS	NS	NS	NS	NS	NS	NS
Tillage*Micro							9	NS	NS	4	3	NS	NS	42
Tillage*NRate							NS	1	NS	NS	NS	NS	NS	NS
Tillage*PD							NS	NS	NS	NS	NS	NS	NS	NS

\*AGI: Adjusted Gross Income

**FIELD EXPERIMENT HISTORY**

**Title:** Multi-factor effects for continuous and rotated corn  
**Experiment:** 19Systems **Trial ID** 6682 **Year** 2022  
**Personnel:** J.G. Lauer, T. Diallo and K.D. Kohn  
**Location:** Arlington, WI **County:** Columbia  
**Supported By:** HATCH

**Site Information**

**Field:** ARS:336 **Previous Crop:** See factors **Soil Type:** Plano Silt Loam  
**Soil Test:** **Date** 12/7/2022 **pH** 5.8 **OM (%)** 3.1 **P (ppm)** 15 **K (ppm)** 125

**Plot Management**

**Tillage Operations:** CT & NT Field cultivator 2x (CT only)

<b>Fertilizer:</b>		<b>Analysis:</b>	<b>Rate lbs/A:</b>	<b>Date:</b>
<b>Preplant :</b>		N/A	N/A	N/A
<b>Starter :</b>		N/A	N/A	N/A
<b>Post plant :</b>		32-0-0	See factors	6 /20/22
<b>Manure:</b>		N/A	N/A	N/A

**Herbicide:** 06-May-22 Medal II EC @ 24 oz/acre  
 22-Jun-22 Roundup PowerMAX @ 30 oz/acre

**Insecticide:** N/A

**Hybrid:** 1) C: RR Jung 53DP511  
 2) C: SS DKC54-64RIB  
 3) Soybean: Asgrow 1243R2X

**Irrigation:** None

**Planting Date:** C: 5/23/22  
 S: 5/23/22

**Planting Depth:** 1.5"

**Row Width:** 30"

**Target Plant Density:** See Factors

**Harvest Date:** C: 11/3/22  
 S: 10/18/22

**Planting Method:** JD1700 w RTK

**Harvest Method:** C: MF 8XP Combine  
 S: Almaco combine

**Notes:**

**Experimental Design**

**Design:** FracRep: split-split-plot

**Replications:** 1

**Plot Size Seeded:** MP: 10' x 35'

**Experiment Size:** 1.2

**Harvest Plot Size:** C & S : 5' x 31'

**Harvest Plant Density:** See Factors

**Factors/Treatments:**

**Tillage:**

- 1) No-Till
- 2) Conventional

**Nitrogen Rate:**

- 1)- 160 lbs/A
- 2) - 210 lbs/A

**Fungicide:**

- 1) - UTC
- 2) - Headline

**Rotation:**

- 1) - CC
- 2) - CS

**Plant Density:**

- 1-35000 Plants/A
- 2-45000 Plants/A

**Genotype:**

- 1) RR: 53DP511
- 2) SS: DKC54-64RIB

**Results: Table 2219-01**

**Table: 2219-01: Multi-factor effects on continuous and rotated corn.  
Arlington, WI - 2022.**

Tillage	Rotation	Genotype	Plant Density plants/A	N rate lbs/A	Fungicide	Grain yield bu/A	Grain moisture %	Test weight lbs	Total %	Lodged Stalk %	Root %	Harvest density plants/A	*AGI \$6.09/bu \$
					Headline	197	21.7	54.5	14.4	8.4	6.0	36742	1132
					UTC	198	21.3	54.9	17.8	1.2	16.6	36002	1137
			160			197	21.5	54.9	15.3	5.7	9.5	37064	1130
			160		Headline	196	22.1	54.2	15.4	9.9	5.6	38000	1122
			160		UTC	198	20.9	55.5	15.1	1.6	13.5	36128	1137
			210			198	21.4	54.5	16.9	3.8	13.1	35679	1140
			210		Headline	199	21.2	54.8	13.3	6.9	6.4	35484	1143
			210		UTC	198	21.6	54.2	20.5	0.8	19.8	35875	1137
			35000			195	21.2	54.1	13.9	3.6	10.3	33095	1122
			35000		Headline	195	21.6	54.4	11.6	6.3	5.3	33313	1118
			35000		UTC	196	20.9	53.8	16.1	0.8	15.3	32878	1127
			35000	160		195	21.4	53.7	11.8	0.6	11.2	33316	1122
			35000	210		195	21.1	54.5	15.9	6.5	9.4	32875	1123
			45000			200	21.7	55.3	18.3	6.0	12.4	39648	1147
			45000		Headline	200	21.8	54.6	17.2	10.4	6.7	40171	1147
			45000		UTC	200	21.6	55.9	19.5	1.5	18.0	39125	1146
			45000	160		198	21.6	56.0	18.7	10.8	7.9	40813	1137
			45000	210		202	21.8	54.5	18.0	1.1	16.8	38484	1157
		53DP511				192	22.1	54.6	30.5	8.3	22.2	35095	1100
		53DP511			Headline	191	22.5	54.3	27.2	15.4	11.8	35750	1095
		53DP511			UTC	193	21.8	55.0	33.7	1.1	32.6	34441	1105
		53DP511		160		189	22.5	55.3	29.2	10.7	18.5	35378	1083
		53DP511		210		195	21.8	53.9	31.8	5.8	25.9	34813	1117
		53DP511	35000			191	21.4	53.9	26.7	6.5	20.2	32378	1097
		53DP511	45000			193	22.9	55.3	34.2	10.0	24.2	37813	1103
		DKC54-64SSRIB				203	20.8	54.8	1.7	1.3	0.4	37648	1169
		DKC54-64SSRIB			Headline	203	20.9	54.8	1.6	1.4	0.2	37734	1170
		DKC54-64SSRIB			UTC	203	20.7	54.8	1.9	1.2	0.6	37563	1169
		DKC54-64SSRIB		160		204	20.5	54.4	1.4	0.8	0.6	38750	1176
		DKC54-64SSRIB		210		202	21.1	55.1	2.1	1.8	0.3	36546	1163
		DKC54-64SSRIB	35000			200	21.0	54.3	1.0	0.7	0.4	33813	1148
		DKC54-64SSRIB	45000			207	20.5	55.2	2.4	1.9	0.5	41484	1190
	CC					179	22.4	54.2	13.8	3.2	10.6	35064	1023
	CC				Headline	178	22.6	54.0	10.2	4.6	5.6	35375	1021
	CC				UTC	179	22.3	54.4	17.3	1.7	15.6	34753	1026
	CC			160		179	22.4	54.7	13.7	5.4	8.3	36003	1027
	CC			210		178	22.4	53.7	13.9	1.0	12.9	34125	1020
	CC		35000			177	21.9	53.6	10.9	1.0	9.9	31816	1013
	CC		45000			181	23.0	54.8	16.7	5.4	11.4	38313	1034
	CC	53DP511				175	23.2	54.2	25.6	5.1	20.6	34378	996
	CC	DKC54-64SSRIB				183	21.6	54.2	1.9	1.3	0.7	35750	1051

continue

Table: 2219-01 . Multi-factor effects on continuous and rotated corn.

(continued) Arlington, WI - 2022.

Tillage Rotation	Genotype	Plant	N	Fungicide	Grain	Grain	Test	Lodged			Harvest	*AGI
		Density	rate		yield	moisture	weight	Total	Stalk	Root	density	\$6.09/bu
		plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	\$
	CS				216	20.5	55.2	18.4	6.4	12.0	37679	1246
	CS			Headline	216	20.8	55.1	18.5	12.2	6.4	38109	1244
	CS			UTC	216	20.2	55.3	18.3	0.6	17.7	37250	1248
	CS		160		214	20.6	55.1	16.9	6.1	10.8	38125	1232
	CS		210		219	20.5	55.3	19.9	6.7	13.3	37234	1260
	CS	35000			214	20.6	54.7	16.9	6.2	10.7	34375	1232
	CS	45000			219	20.4	55.7	20.0	6.6	13.3	40984	1260
	CS	53DP511			209	21.0	55.0	35.3	11.4	23.8	35813	1204
	CS	DKC54-64SSRIB			223	20.0	55.3	1.5	1.3	0.2	39546	1288
CT					210	20.8	55.7	30.7	7.8	22.8	37344	1207
CT				Headline	211	20.8	55.3	26.7	14.5	12.2	36940	1217
CT				UTC	208	20.7	56.1	34.7	1.2	33.5	37748	1198
CT			160		210	20.7	56.2	29.7	10.5	19.3	37623	1206
CT			210		210	20.8	55.3	31.6	5.2	26.4	37065	1208
CT		35000			205	20.7	54.9	25.7	4.9	20.7	33310	1181
CT		45000			214	20.9	56.5	35.6	10.8	24.9	41378	1234
CT		53DP511			205	21.4	56.2	59.6	15.0	44.6	36310	1175
CT		DKC54-64SSRIB			215	20.2	55.3	1.8	0.7	1.0	38378	1240
CT	CC				201	21.5	55.3	26.4	5.0	21.4	36998	1152
CT	CS				219	20.1	56.2	34.9	10.7	24.2	37690	1262
NT					185	22.2	53.7	1.5	1.7	-0.2	35399	1062
NT				Headline	183	22.5	53.7	2.1	2.3	-0.2	36544	1048
NT				UTC	188	21.8	53.6	1.0	1.2	-0.2	34255	1076
NT			160		184	22.3	53.6	0.8	1.0	-0.2	36505	1053
NT			210		187	22.0	53.7	2.3	2.4	-0.2	34294	1071
NT		35000			186	21.8	53.3	2.0	2.2	-0.2	32880	1064
NT		45000			185	22.5	54.0	1.0	1.2	-0.2	37919	1060
NT		53DP511			179	22.9	53.0	1.3	1.5	-0.2	33880	1025
NT		DKC54-64SSRIB			191	21.4	54.3	1.7	1.9	-0.2	36919	1099
NT	CC				157	23.4	53.1	1.1	1.3	-0.2	33130	895
NT	CS				214	21.0	54.2	1.9	2.1	-0.2	37669	1229
Mean					198	21.5	54.7	16.1	4.8	11.3	36372	1135

continue

**Table: 2219-01 . Multi-factor effects on continuous and rotated corn.**  
(continued) **Arlington, WI - 2022.**

Tillage Rotation	Genotype	Plant	N	Fungicide	Grain	Grain	Test	Lodged			Harvest	*AGI
		Density	rate		yield	moisture	weight	Total	Stalk	Root	density	\$6.09/bu
		plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	\$
<b><u>Probability(%)</u></b>												
	Fungicide				84.6	17.4	59.7	53.6	4.3	6.9	43.5	78.9
	Genotype				0.0	0.0	80.8	0.0	5.1	0.0	0.9	0.0
	Genotype*Fungicide				79.3	37.8	60.4	58.0	4.9	8.5	55.3	75.6
	Genotype*NRate				21.3	4.8	12.9	86.5	40.8	50.6	39.5	16.8
	Genotype*PD				41.2	0.3	68.6	58.1	74.4	74.1	24.6	29.9
	NRate				54.8	79.4	57.1	76.4	58.5	53.7	14.8	53.8
	NRate*Fungicide				65.5	1.3	13.6	50.1	76.1	64.4	24.1	53.4
	PD				12.4	13.9	8.6	42.0	49.4	71.9	0.0	14.4
	PD*Fungicide				79.2	41.1	16.8	84.5	63.0	91.6	75.0	74.0
	PD*NRate				51.3	48.1	9.8	66.8	3.2	35.9	32.7	54.5
	Rotation				0.0	0.0	13.3	40.5	35.9	80.9	0.8	0.0
	Rotation*Fungicide				91.1	65.7	88.7	51.0	22.3	91.1	90.2	95.5
	Rotation*Genotype				37.0	28.8	85.0	37.3	37.4	75.1	22.1	38.9
	Rotation*NRate				28.7	90.5	35.3	79.8	48.2	85.6	60.7	28.3
	Rotation*PD				92.5	4.0	90.3	80.6	57.8	91.9	95.3	81.1
	Tillage				0.0	0.0	0.2	0.0	7.8	0.0	4.0	0.0
	Tillage*Fungicide				18.2	26.9	44.5	41.3	8.5	6.9	10.6	16.6
	Tillage*Genotype				78.0	70.5	10.3	0.0	4.1	0.0	60.8	78.6
	Tillage*NRate				63.8	63.1	44.5	97.3	33.5	53.7	38.4	62.1
	Tillage*PD				9.4	43.4	48.3	32.3	33.1	71.9	11.4	8.6
	Tillage*Rotation				0.0	9.7	92.9	49.0	48.9	80.9	4.6	0.0
<b><u>LSD(0.10)</u></b>												
	Fungicide				NS	NS	NS	NS	6	10	NS	NS
	Genotype				5	0.5	NS	9	6	10	1578	27
	Genotype*Fungicide				NS	NS	NS	NS	8	14	NS	NS
	Genotype*NRate				NS	1	NS	NS	NS	NS	NS	NS
	Genotype*PD				NS	1	NS	NS	NS	NS	NS	NS
	NRate				NS	NS	NS	NS	NS	NS	NS	NS
	NRate*Fungicide				NS	1	NS	NS	NS	NS	NS	NS
	PD				NS	NS	1	NS	NS	NS	1578	NS
	PD*Fungicide				NS	NS	NS	NS	NS	NS	NS	NS
	PD*NRate				NS	NS	2	NS	8	NS	NS	NS
	Rotation				5	0.5	NS	NS	NS	NS	1578	27
	Rotation*Fungicide				NS	NS	NS	NS	NS	NS	NS	NS
	Rotation*Genotype				NS	NS	NS	NS	NS	NS	NS	NS
	Rotation*NRate				NS	NS	NS	NS	NS	NS	NS	NS
	Rotation*PD				NS	1	NS	NS	NS	NS	NS	NS
	Tillage				5	0.5	1	9	6	9	1548	23
	Tillage*Fungicide				NS	NS	NS	NS	8	14	NS	NS
	Tillage*Genotype				NS	NS	NS	13	8	14	NS	NS
	Tillage*NRate				NS	NS	NS	NS	NS	NS	NS	NS
	Tillage*PD				7	NS	NS	NS	NS	NS	NS	39
	Tillage*Rotation				7	1	NS	NS	NS	NS	2217	39

\*AGI: Adjusted Gross Income