FIELD EXPERIMENT HISTORY

Title: **Multi-factor effects for continuous and rotated corn**

Experiment: 19Systems **Trial ID:** 6544 **Year:** 2021

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:** 11/12/18 **pH** 6.2 **OM (%)** 3 **P (ppm)** 16 **K (ppm)** 136

Plot Management

Tillage Operations: CT & NT Field cultivator (CT only)

Fertilizer:

	Analysis:	Rate lbs/A:	Date:
Preplant :	N/A	N/A	N/A
Starter :	N/A	N/A	N/A
Post plant :	28-0-0	See factors	6 /08/21
Manure:	N/A	N/A	N/A

Herbicide: Moccasin II Plus @ 24 oz/acre 4/27/21
Durango DMA @ 36 oz/acre 4/27/21
Durango DMA @ 36 oz/acre 6/09/21

Insecticide: N/A

Hybrid: 1) RR:Pioneer P0306Q
2) SS DKC51-98SSRIB
3) Soybean: Asgrow AG20X9

Irrigation: None

Planting Date: C: 5/14/21
S:5/18/21

Planting Depth: 1.5"

Row Width: 30"

Target Plant Density: See Factors

Planting Method: JD1700 w RTK

Harvest Date: C: 10/26/21
S: 10/20/21

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:Pioneer P0306Q
2- SS DKC51-98SSRIB

Results: Table 2119-01

Table: 2119-01 . Multi-factor effects on continuous and rotated corn.
Arlington, WI - 2021.

Tillage	Rotation	Genotype	Plant Density	N rate	Fungicide	Grain yield	Grain moisture	Test weight	Lodged Total	Lodged Stalk	Lodged Root	Harvest density	*AGI $5.22/bu
			plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	$
					Headline	214	21.7	55.7	0.9	0.8	0.1	38558	1040
					UTC	212	22.3	55.5	1.4	1.3	0.2	37030	1030
				160		211	22.1	55.6	0.3	0.2	0.1	37093	1023
				160	Headline	214	21.6	55.8	0.5	0.3	0.2	38125	1043
				160	UTC	207	22.5	55.5	0.0	0.0	0.0	36061	1004
				210		215	22.0	55.5	2.1	1.9	0.2	38495	1046
				210	Headline	213	21.9	55.6	1.2	1.2	0.0	38991	1037
				210	UTC	217	22.1	55.5	2.9	2.6	0.3	38000	1055
			35000			208	22.1	55.3	1.4	1.3	0.1	34383	1009
			35000		Headline	208	21.9	55.2	0.9	0.7	0.1	34643	1014
			35000		UTC	207	22.4	55.4	1.8	1.8	0.0	34123	1004
			35000	160		206	22.1	55.5	0.4	0.2	0.2	34248	1000
			35000	210		209	22.1	55.1	2.3	2.4	0.0	34518	1017
			45000			218	21.9	55.9	1.0	0.8	0.2	41205	1061
			45000		Headline	219	21.6	56.1	0.9	0.8	0.1	42473	1066
			45000		UTC	218	22.3	55.6	1.1	0.7	0.3	39938	1056
			45000	160		215	22.0	55.7	0.1	0.1	0.0	39938	1047
			45000	210		221	21.9	56.0	1.8	1.4	0.4	42473	1076
		P0306Q				220	23.4	54.9	0.6	0.6	0.0	39175	1065
		P0306Q			Headline	219	22.9	55.2	0.6	0.6	0.0	39415	1059
		P0306Q			UTC	222	23.9	54.6	0.6	0.6	0.0	38936	1071
		P0306Q		160		218	23.3	54.9	0.3	0.3	0.0	38436	1055
		P0306Q		210		223	23.6	54.9	0.9	0.9	0.0	39915	1076
		P0306Q	35000			216	23.4	54.7	0.5	0.5	0.0	35413	1045
		P0306Q	45000			225	23.4	55.1	0.7	0.7	0.0	42938	1086
		DKC51-98SSRIB				205	20.7	56.3	1.7	1.4	0.3	36413	1004
		DKC51-98SSRIB			Headline	209	20.6	56.1	1.1	0.9	0.2	37701	1021
		DKC51-98SSRIB			UTC	202	20.7	56.4	2.3	2.0	0.3	35125	988
		DKC51-98SSRIB		160		203	20.9	56.3	0.2	0.0	0.2	35750	992
		DKC51-98SSRIB		210		208	20.4	56.2	3.2	2.8	0.4	37076	1017
		DKC51-98SSRIB	35000			199	20.8	55.9	2.2	2.0	0.2	33353	973
		DKC51-98SSRIB	45000			212	20.5	56.7	1.2	0.8	0.4	39473	1036
	CC					195	22.4	55.6	1.5	1.3	0.2	37738	944
	CC				Headline	194	22.2	55.5	0.5	0.5	0.0	38603	944
	CC				UTC	195	22.6	55.6	2.4	2.1	0.3	36873	945
	CC			160		193	22.4	55.7	0.0	0.0	0.0	37123	936
	CC			210		197	22.4	55.4	3.0	2.7	0.3	38353	953
	CC		35000			191	22.5	55.4	2.2	2.2	0.0	34288	926
	CC		45000			198	22.3	55.7	0.8	0.5	0.3	41188	963
	CC	P0306Q				205	23.9	54.4	0.2	0.2	0.0	38998	986
	CC	DKC51-98SSRIB				185	20.9	56.7	2.8	2.5	0.3	36478	902

continue

Table: 2119-01 . Multi-factor effects on continuous and rotated corn.

(continued) **Arlington, WI - 2021.**

Tillage	Rotation	Genotype	Plant Density	N rate	Fungicide	Grain yield	Grain moisture	Test weight	Lodged Total	Lodged Stalk	Lodged Root	Harvest density	*AGI $5.22/bu
			plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	$
	CS					231	21.7	55.6	0.8	0.7	0.1	37850	1125
	CS				Headline	233	21.3	55.9	1.2	1.0	0.2	38513	1136
	CS				UTC	229	22.0	55.3	0.5	0.5	0.0	37188	1115
	CS			160		228	21.8	55.5	0.5	0.3	0.2	37063	1111
	CS			210		234	21.6	55.7	1.2	1.1	0.0	38638	1139
	CS		35000			224	21.7	55.2	0.5	0.4	0.1	34478	1091
	CS		45000			238	21.6	56.1	1.1	1.1	0.1	41223	1159
	CS	P0306Q				236	22.9	55.4	1.0	1.1	0.0	39353	1144
	CS	DKC51-98SSRIB				226	20.4	55.9	0.6	0.4	0.2	36348	1106
CT						213	21.7	56.0	1.6	1.5	0.1	37582	1035
CT					Headline	215	21.3	56.3	1.3	1.0	0.3	38274	1047
CT					UTC	211	22.0	55.7	1.9	1.9	0.0	36890	1024
CT				160		210	21.8	56.0	0.3	0.1	0.2	37515	1021
CT				210		216	21.5	56.0	2.9	2.8	0.1	37649	1050
CT			35000			210	21.7	55.5	2.0	1.8	0.2	34077	1024
CT			45000			215	21.7	56.4	1.2	1.1	0.1	41087	1047
CT		P0306Q				218	23.3	55.6	0.6	0.6	0.0	38515	1056
CT		DKC51-98SSRIB				207	20.1	56.4	2.6	2.4	0.3	36649	1015
CT	CC					196	21.9	56.2	2.1	2.1	0.0	37452	951
CT	CS					230	21.4	55.8	1.1	0.8	0.3	37712	1120
NT						213	22.4	55.2	0.7	0.6	0.1	38006	1034
NT					Headline	213	22.2	55.1	0.4	0.5	-0.1	38841	1033
NT					UTC	214	22.6	55.3	1.0	0.7	0.3	37171	1036
NT				160		211	22.3	55.3	0.2	0.2	0.0	36671	1026
NT				210		215	22.5	55.1	1.2	0.9	0.3	39341	1043
NT			35000			205	22.6	55.0	0.7	0.7	0.0	34689	993
NT			45000			221	22.2	55.3	0.7	0.4	0.3	41324	1075
NT		P0306Q				223	23.5	54.2	0.6	0.7	0.0	39836	1075
NT		DKC51-98SSRIB				204	21.3	56.2	0.8	0.5	0.3	36176	993
NT	CC					227	28.6	54.1	2.5	2.1	0.3	37127	938
NT	CS					226	30.7	52.9	4.8	2.8	1.9	37858	1131
Mean						231	28.6	53.8	6.6	3.5	3.1	36826	1035

continue

Table: 2119-01 . Multi-factor effects on continuous and rotated corn.
(continued) **Arlington, WI - 2021.**

Tillage	Rotation	Genotype	Plant Density	N rate	Fungicide	Grain yield	Grain moisture	Test weight	Lodged			Harvest density	*AGI
									Total	Stalk	Root		$5.22/bu
			plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	$
Probability(%)													
Fungicide						65.6	9.8	61.7	34.8	38.9	75.2	0.5	54.4
Genotype						0.0	0.0	0.0	8.7	19.8	11.6	0.0	0.1
Genotype*Fungicide						16.1	19.2	19.6	38.4	38.6	95.3	5.0	19.6
Genotype*NRate						97.7	30.3	90.6	5.6	8.0	49.8	88.4	89.7
Genotype*PD						56.0	69.1	59.8	36.2	28.3	60.2	18.5	52.6
NRate						19.0	83.4	84.7	0.5	0.6	66.5	0.9	18.5
NRate*Fungicide						11.8	34.0	84.4	9.2	17.1	23.3	31.1	10.3
PD						0.4	63.9	11.6	52.6	41.3	54.8	0.0	0.4
PD*Fungicide						100.0	81.2	36.6	53.2	35.0	30.3	5.9	98.1
PD*NRate						73.6	74.5	32.4	77.7	43.9	9.9	3.5	72.1
Rotation						0.0	3.9	85.2	29.4	32.9	75.8	82.9	0.0
Rotation*Fungicide						55.9	64.0	31.4	3.7	9.0	13.7	70.1	53.5
Rotation*Genotype						17.7	36.3	2.2	1.9	1.8	95.9	64.5	18.8
Rotation*NRate						77.6	72.9	44.8	7.2	13.7	23.4	74.2	75.2
Rotation*PD						36.6	86.9	45.5	11.4	5.8	30.0	88.4	36.6
Tillage						91.2	4.4	3.6	12.9	13.1	92.1	40.5	94.5
Tillage*Fungicide						46.5	67.1	24.1	94.7	56.8	8.9	78.3	44.4
Tillage*Genotype						27.7	17.7	12.1	13.5	11.7	85.2	8.8	23.1
Tillage*NRate						75.7	44.8	82.9	20.5	11.5	31.1	1.7	71.1
Tillage*PD						10.2	62.5	43.5	51.6	75.4	24.0	72.0	9.4
Tillage*Rotation						51.8	47.0	21.7	55.2	27.1	9.1	77.6	49.0
LSD(0.10)													
Fungicide						NS	1	NS	NS	NS	NS	864	NS
Genotype						6	0.6	0.6	1	NS	NS	865	29
Genotype*Fungicide						NS	NS	NS	NS	NS	NS	1228	NS
Genotype*NRate						NS	NS	NS	1	1	NS	NS	NS
Genotype*PD						NS	NS	NS	NS	NS	NS	NS	NS
NRate						NS	NS	NS	1	1	NS	864	NS
NRate*Fungicide						NS	NS	NS	1	NS	NS	NS	41
PD						6	NS	NS	NS	NS	NS	870	29
PD*Fungicide						NS	NS	NS	NS	NS	NS	1229	NS
PD*NRate						NS	NS	NS	NS	NS	0	1229	NS
Rotation						6	0.6	NS	NS	NS	NS	NS	29
Rotation*Fungicide						NS	NS	NS	1	1	NS	NS	NS
Rotation*Genotype						NS	NS	1	1.5	1	NS	NS	NS
Rotation*NRate						NS	NS	NS	1	NS	NS	NS	NS
Rotation*PD						NS	NS	NS	NS	1	NS	NS	NS
Tillage						NS	0.6	1	NS	1	NS	NS	NS
Tillage*Fungicide						NS	NS	NS	NS	NS	0	1213	NS
Tillage*Genotype						NS	NS	NS	NS	NS	NS	1215	NS
Tillage*NRate						NS	NS	NS	NS	NS	NS	1213	NS
Tillage*PD						NS	NS	NS	NS	NS	NS	NS	40
Tillage*Rotation						NS	NS	NS	NS	NS	0.4	NS	NS

FIELD EXPERIMENT HISTORY

Title: **Multi-factor effects for continuous corn**

Experiment: 19Systems **Trial ID:** 6543 **Year:** 2021

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:** 11/12/18 **pH** 6.2 **OM (%)** 3 **P (ppm)** 16 **K (ppm)** 136

Plot Management

Tillage Operations: CT & NT Field cultivator (CT only)

Fertilizer:

	Analysis:	Rate lbs/A:	Date:
Preplant :	N/A	N/A	N/A
Starter :	N/A	N/A	N/A
Post plant :	32-0-0	See factors	6 /08/21
Manure:	N/A	N/A	N/A

Herbicide: Moccasin II Plus @ 24 oz/acre 4/27/21
Durango DMA @ 36 oz/acre 4/27/21
Durango DMA @ 36 oz/acre 6/09/21

Insecticide: N/A

Hybrid: 1) RR:Pioneer P0306Q
2) SS:DKC51-98SSRIB

Irrigation: None

Planting Date: C: 5/14/21

Planting Depth: 1.5"

Row Width: 30"

Target Plant Density: See Factors

Harvest Date: C: 10/26/21

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:

Tillage:

1) No-Till
2) Conventional

Nitrogen Rate:

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

Fungicide:

1) - UTC
2) - Headline

Micro Nutrients:

1) - UTC
2) - Quatro

Plant Density:

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

Genotype:

1- RR:Pioneer P0306Q
2- SS DKC51-98SSRIB

Results: Table 2119-02

Table: 1921-02 . Multi-factor effects on continuous corn.
Arlington, WI - 2021

Tillage	Genotype	Plant Density	N rate	Micro Mix	Fungicide	Grain yield	Grain moisture	Test weight	Lodged			Harvest density	AGI $5.22/bu
									Total	Stalk	Root		
		plants/A	lbs/A			bu/A	%	lbs	%	%	%	plants/A	$
					Headline	197	23.0	54.2	1.3	1.2	0.1	37734	952
					UTC	197	24.0	54.3	1.1	1.1	0.0	36880	951
				Quatro		194	23.7	53.3	1.7	1.7	0.1	37589	938
				Quatro	Headline	195	22.9	53.2	1.9	1.7	0.2	38109	942
				Quatro	UTC	194	24.6	53.5	1.6	1.6	-0.1	37068	934
				UTC		200	23.2	55.1	0.7	0.7	0.0	37026	966
				UTC	Headline	199	23.0	55.1	0.8	0.8	0.0	37359	963
				UTC	UTC	201	23.4	55.0	0.6	0.6	0.0	36693	969
			160			191	23.8	54.8	1.5	1.5	0.0	38026	920
			160		Headline	189	24.0	55.2	0.7	0.7	0.0	38484	910
			160		UTC	193	23.5	54.5	2.3	2.3	0.0	37568	931
			160	Quatro		187	24.1	54.5	2.2	2.2	0.0	38250	902
			160	UTC		194	23.4	55.2	0.8	0.8	0.0	37802	939
			210			203	23.2	53.6	1.0	0.9	0.1	36589	983
			210		Headline	205	22.0	53.1	2.0	1.8	0.2	36984	995
			210		UTC	202	24.4	54.0	-0.1	0.0	-0.1	36193	972
			210	Quatro		202	23.3	52.2	1.3	1.1	0.1	36927	974
			210	UTC		205	23.1	54.9	0.6	0.6	0.0	36250	993
		35000				197	23.7	54.8	0.9	0.9	0.0	33401	950
		35000			Headline	194	23.6	55.5	0.9	0.9	0.0	33609	936
		35000			UTC	200	23.7	54.1	0.8	0.8	0.0	33193	965
		35000		Quatro		196	24.0	54.7	1.5	1.5	0.0	33500	946
		35000		UTC		198	23.3	54.9	0.2	0.2	0.0	33302	954
		35000	160			189	23.6	54.6	1.0	1.0	0.0	33677	913
		35000	210			205	23.7	55.1	0.8	0.8	0.0	33125	988
		45000				197	23.3	53.6	1.6	1.5	0.1	41214	953
		45000			Headline	200	22.4	52.8	1.8	1.6	0.2	41859	969
		45000			UTC	195	24.2	54.4	1.4	1.5	-0.1	40568	938
		45000		Quatro		192	23.5	52.0	1.9	1.8	0.1	41677	929
		45000		UTC		202	23.1	55.2	1.2	1.2	0.0	40750	977
		45000	160			192	23.9	55.1	2.0	2.0	0.0	42375	928
		45000	210			202	22.7	52.1	1.2	1.0	0.1	40052	979
	P0306Q					205	24.8	52.1	0.4	0.4	0.0	38526	987
	P0306Q				Headline	208	23.8	51.0	0.7	0.7	0.0	38609	1003
	P0306Q				UTC	203	25.8	53.3	0.1	0.1	0.0	38443	970
	P0306Q			Quatro		205	24.9	50.2	0.5	0.5	0.0	38500	985
	P0306Q			UTC		206	24.8	54.0	0.2	0.2	0.0	38552	988
	P0306Q		160			200	25.4	53.8	0.7	0.7	0.0	39052	959
	P0306Q		210			211	24.3	50.5	0.0	0.0	0.0	38000	1014
	P0306Q	35000				209	25.2	53.8	0.2	0.2	0.0	35052	1001
	P0306Q	45000				202	24.5	50.4	0.5	0.5	0.0	42000	972

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Table: 1921-02 . Multi-factor effects on continuous corn.

(continued) **Arlington, WI - 2021**

Tillage	Genotype	Plant Density	N rate	Micro Mix	Fungicide	Grain yield	Grain moisture	Test weight	Lodged Total	Lodged Stalk	Lodged Root	Harvest density	AGI $5.22/bu
		plants/A	lbs/A			bu/A	%	lbs	%	%	%	plants/A	$
	DKC51-98SSRIB					189	22.1	56.3	2.1	2.0	0.1	36089	917
	DKC51-98SSRIB				Headline	186	22.1	57.3	2.0	1.8	0.2	36859	901
	DKC51-98SSRIB				UTC	192	22.1	55.2	2.1	2.2	-0.1	35318	933
	DKC51-98SSRIB			Quatro		184	22.6	56.4	2.9	2.8	0.1	36677	891
	DKC51-98SSRIB			UTC		194	21.6	56.1	1.2	1.2	0.0	35500	943
	DKC51-98SSRIB		160			181	22.1	55.9	2.2	2.2	0.0	37000	882
	DKC51-98SSRIB		210			196	22.1	56.6	1.9	1.8	0.1	35177	953
	DKC51-98SSRIB	35000				185	22.1	55.8	1.5	1.5	0.0	31750	900
	DKC51-98SSRIB	45000				192	22.1	56.8	2.6	2.5	0.1	40427	934
CT						199	22.7	53.7	1.5	1.5	0.0	37547	963
CT					Headline	202	21.6	53.1	1.3	1.4	-0.1	37469	982
CT					UTC	196	23.9	54.4	1.7	1.7	0.0	37625	945
CT				Quatro		199	22.7	52.3	1.6	1.6	-0.1	37734	965
CT				UTC		198	22.7	55.1	1.4	1.4	0.0	37359	962
CT			160			192	23.0	55.0	1.5	1.5	0.0	38109	927
CT			210			206	22.4	52.5	1.4	1.5	-0.1	36984	1000
CT		35000				196	22.9	55.2	1.7	1.7	0.0	33984	950
CT		45000				201	22.5	52.2	1.3	1.3	-0.1	41109	977
CT	P0306Q					208	23.7	50.7	0.2	0.2	0.0	38109	1005
CT	DKC51-98SSRIB					189	21.7	56.8	2.8	2.9	-0.1	36984	922
NT						195	24.2	54.7	1.0	0.9	0.1	37068	940
NT					Headline	192	24.4	55.2	1.4	1.1	0.3	38000	923
NT					UTC	199	24.1	54.2	0.5	0.6	-0.1	36135	958
NT				Quatro		190	24.7	54.3	1.9	1.7	0.2	37443	911
NT				UTC		201	23.7	55.0	0.1	0.1	0.0	36693	970
NT			160			190	24.5	54.7	1.5	1.5	0.0	37943	914
NT			210			201	24.0	54.6	0.5	0.3	0.2	36193	967
NT		35000				198	24.4	54.4	0.1	0.1	0.0	32818	951
NT		45000				193	24.1	54.9	1.9	1.7	0.2	41318	930
NT	P0306Q					203	25.9	53.6	0.6	0.6	0.0	38943	969
NT	DKC51-98SSRIB					188	22.5	55.8	1.4	1.2	0.2	35193	912
Mean						197	23.5	54.2	1.2	1.2	0.0	37307	952
Probability(%)													
Fungicide						90.9	20.5	94.5	73.0	87.8	24.6	33.3	96.9
Genotype						0.6	0.2	1.1	3.0	2.7	56.5	1.3	1.7
Genotype*Fungicide						29.2	23.2	15.3	61.1	45.6	26.8	45.5	24.2
Genotype*Micro						40.9	54.8	19.1	37.2	39.5	57.4	50.3	38.0
Genotype*NRate						71.5	45.1	19.6	78.8	85.4	57.4	67.3	76.3
Genotype*PD						23.8	65.5	16.0	59.6	64.3	57.4	34.9	26.1
Micro						33.3	51.5	24.9	18.1	18.5	56.5	53.0	30.1
Micro*Fungicide						87.3	41.7	89.6	89.3	95.0	26.8	83.7	81.1
NRate						3.1	47.8	38.8	47.4	38.7	56.5	11.9	2.8
NRate*Fungicide						53.4	8.2	60.0	2.2	2.4	26.8	94.5	41.2
NRate*Micro						73.6	75.4	52.3	62.0	52.8	57.4	90.0	73.6

continue

Table: 2119-02 . Multi-factor effects on continuous corn.
(continued) **Arlington, WI - 2020**

Tillage	Genotype	Plant Density	N rate	Micro Mix Fungicide	Grain yield	Grain moisture	Test weight	Lodged Total	Lodged Stalk	Lodged Root	Harvest density	AGI $5.22/bu
		plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	$
Mean					197	31.6	51.7	0.5	0.4	0.0	37531	589
Probability(%)												
PD					96.3	64.7	41.1	32.7	34.6	56.5	0.0	91.1
PD*Fungicide					33.7	29.3	34.1	84.5	99.8	26.8	63.3	28.4
PD*Micro					45.7	87.4	32.5	68.8	59.6	57.4	69.0	46.7
PD*NRate					58.3	40.4	25.4	66.3	57.1	57.4	33.8	65.9
Tillage					51.2	6.2	51.3	49.4	34.8	24.6	58.3	38.5
Tillage*Fungicide					26.3	11.4	45.2	42.5	58.4	10.3	27.6	20.2
Tillage*Genotype					70.3	37.8	21.3	22.9	14.2	26.8	16.2	63.6
Tillage*Micro					28.6	53.9	50.2	27.2	33.0	26.8	83.7	26.9
Tillage*NRate					70.7	97.9	43.3	53.9	39.2	26.8	73.2	69.8
Tillage*PD					39.0	95.5	26.0	14.9	17.8	26.8	45.5	39.0
LSD(0.10)												
Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
Genotype					9	1.3	2.5	1	1	NS	1524	46
Genotype*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
Genotype*Micro					NS	NS	NS	NS	NS	NS	NS	NS
Genotype*NRate					NS	NS	NS	NS	NS	NS	NS	NS
Genotype*PD					NS	NS	NS	NS	NS	NS	NS	NS
Micro					NS	NS	NS	NS	NS	NS	NS	NS
Micro*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
NRate					9	NS	NS	NS	NS	NS	NS	46
NRate*Fungicide					NS	2	NS	2	2	NS	NS	NS
NRate*Micro					NS	NS	NS	NS	NS	NS	NS	NS
PD					NS	NS	NS	NS	NS	NS	1524	NS
PD*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
PD*Micro					NS	NS	NS	NS	NS	NS	NS	NS
PD*NRate					NS	NS	NS	NS	NS	NS	NS	NS
Tillage					NS	1.3	NS	NS	NS	NS	NS	NS
Tillage*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
Tillage*Genotype					NS	NS	NS	NS	NS	NS	NS	NS
Tillage*Micro					NS	NS	NS	NS	NS	NS	NS	NS
Tillage*NRate					NS	NS	NS	NS	NS	NS	NS	NS
Tillage*PD					NS	NS	NS	NS	NS	NS	NS	NS

*AGI: Adjusted Gross Income