

FIELD EXPERIMENT HISTORY

Title: Multi-factor effects for continuous and rotated corn
Experiment: 19Systems **Trial ID:** 6258 **Year:** 2018
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 /12/18
Manure:	N/A	N/A	N/A

Herbicide: Medal II EC @ 24 oz/a 4/27/18
Tomahawk 5 @ 22 oz/A 4/27/18
Tomahawk 5 @ 22 oz/A 6/7/18

Insecticide: N/A

Hybrid: 1) RR: P9998AMXT
2) SS:Jung 53SS517RIB
3) Soybean: Asgrow AG20X7

Irrigation: None

Planting Date: C: 5/7/18
S: 5/18/18

Planting Depth: 1.5"

Target Plant Density: See Factors

Row Width: 30"

Harvest Date: C: 10/22/18

Planting Method: JD1700 w RTK

Notes: S: 10/24/18

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

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: P9998AMXT
2- SS:Jung 53SS517RIB

Results: Table 1819-01

**Table: 1819-01 . Multi-factor effects on continuous and rotated corn.
Arlington, WI - 2018.**

Tillage	Rotation	Genotype	Plant Density	N rate	Fungicide	Grain yield	Grain moisture	Test weight	Lodged			Harvest density	*AGI \$3.44/bu
			plants/A	lbs/A		bu/A	%	lbs	Total %	Stalk %	Root %	plants/A	\$
					Headline	211	24.1	55.9	1.2	0.3	0.9	33348	642
					UTC	211	24.3	56.4	1.3	0.0	1.3	33199	640
				160		200	24.3	56.1	1.5	0.1	1.4	33449	609
				160	Headline	200	24.3	55.9	1.6	0.2	1.4	33438	606
				160	UTC	201	24.3	56.3	1.5	0.0	1.5	33460	612
				210		222	24.2	56.3	1.0	0.2	0.8	33098	674
				210	Headline	223	24.0	56.0	0.8	0.4	0.4	33258	678
				210	UTC	220	24.3	56.5	1.1	0.0	1.1	32938	669
			35000			209	24.0	56.5	1.1	0.3	0.8	31449	634
			35000		Headline	209	24.1	56.3	1.0	0.6	0.5	31500	636
			35000		UTC	208	24.0	56.6	1.2	0.0	1.1	31397	633
			35000	160		199	24.3	56.4	1.6	0.2	1.4	32022	604
			35000	210		218	23.7	56.6	0.6	0.4	0.2	30875	665
			45000			214	24.4	55.9	1.4	0.0	1.4	35098	648
			45000		Headline	213	24.2	55.6	1.3	0.0	1.3	35195	648
			45000		UTC	214	24.6	56.3	1.5	0.0	1.5	35000	648
			45000	160		202	24.3	55.8	1.5	0.0	1.5	34875	613
			45000	210		225	24.6	56.0	1.3	0.0	1.3	35320	683
		P9998AMXT (RR)				212	22.4	56.7	1.5	0.0	1.5	32949	650
		P9998AMXT (RR)			Headline	209	22.4	56.4	1.5	0.0	1.5	32813	643
		P9998AMXT (RR)			UTC	214	22.3	57.0	1.5	0.0	1.5	33085	658
		P9998AMXT (RR)		160		201	22.6	56.7	1.7	0.0	1.7	33647	616
		P9998AMXT (RR)		210		222	22.1	56.7	1.2	0.0	1.2	32250	684
		P9998AMXT (RR)	35000			209	22.0	57.2	1.0	0.0	1.0	30710	643
		P9998AMXT (RR)	45000			214	22.7	56.2	1.9	0.0	1.9	35188	658
		Jung 53SS517RIB (SS)				211	26.1	55.7	1.0	0.3	0.7	33598	632
		Jung 53SS517RIB (SS)			Headline	213	25.9	55.5	0.9	0.6	0.3	33883	641
		Jung 53SS517RIB (SS)			UTC	208	26.2	55.8	1.1	0.0	1.1	33313	623
		Jung 53SS517RIB (SS)		160		200	26.0	55.5	1.3	0.2	1.1	33250	601
		Jung 53SS517RIB (SS)		210		221	26.2	55.8	0.7	0.4	0.3	33945	663
		Jung 53SS517RIB (SS)	35000			209	26.1	55.7	1.2	0.6	0.6	32188	626
		Jung 53SS517RIB (SS)	45000			213	26.1	55.6	0.8	0.0	0.9	35008	638
		CC				211	24.2	56.2	1.1	0.2	0.8	32917	642
		CC			Headline	211	23.9	56.3	1.2	0.4	0.8	32625	642
		CC			UTC	212	24.5	56.2	0.9	0.0	0.8	33210	642
		CC		160		202	24.0	56.3	1.4	0.0	1.3	32397	613
		CC		210		221	24.4	56.1	0.7	0.4	0.3	33438	671
		CC	35000			209	23.7	56.5	1.0	0.4	0.6	31210	637
		CC	45000			214	24.6	55.9	1.1	0.0	1.1	34625	647
		CC P9998AMXT (RR)				214	22.1	56.9	1.0	0.0	0.9	32522	660
		CC Jung 53SS517RIB (SS)				208	26.2	55.5	1.1	0.4	0.7	33313	624

continue

Table: 1819-01 . Multi-factor effects on continuous and rotated corn.

(continued)

Arlington, WI - 2018.

Tillage	Rotation	Genotype	Plant	N	Fungicide	Grain	Grain	Test	Lodged			Harvest	*AGI
			Density	rate		yield	moisture	weight	Total	Stalk	Root	density	\$3.44/bu
			plants/A	lbs/A		bu/A	%	lbs	%	%	plants/A	\$	
		CS				211	24.3	56.2	1.4	0.1	1.4	33629	640
		CS			Headline	212	24.4	55.6	1.1	0.2	1.0	34070	642
		CS			UTC	210	24.1	56.7	1.7	0.0	1.7	33188	639
		CS		160		199	24.6	55.9	1.7	0.2	1.5	34500	604
		CS		210		222	23.9	56.4	1.2	0.0	1.2	32758	676
		CS	35000			208	24.3	56.4	1.2	0.2	1.0	31688	632
		CS	45000			214	24.2	55.9	1.7	0.0	1.7	35570	648
		CS			P9998AMXT (RR)	209	22.6	56.4	2.0	0.0	2.0	33375	640
		CS			Jung 53SS517RIB (SS)	213	25.9	55.9	0.9	0.2	0.7	33883	640
CT						219	23.3	57.1	1.2	0.0	1.2	32579	670
CT					Headline	219	23.4	56.7	1.0	0.0	1.0	32170	668
CT					UTC	220	23.3	57.4	1.4	0.0	1.3	32987	671
CT				160		211	23.4	56.9	1.8	0.0	1.8	32425	644
CT				210		227	23.3	57.2	0.6	0.0	0.6	32732	695
CT			35000			216	23.1	57.4	1.1	0.0	1.1	31112	661
CT			45000			223	23.6	56.8	1.3	0.0	1.3	34045	678
CT					P9998AMXT (RR)	219	21.3	57.5	1.3	0.0	1.2	31737	679
CT					Jung 53SS517RIB (SS)	219	25.4	56.6	1.1	0.0	1.1	33420	660
CT	CC					219	23.2	57.0	1.1	0.0	1.0	32612	670
CT	CS					219	23.5	57.1	1.3	0.0	1.3	32545	669
NT						203	25.1	55.3	1.3	0.3	1.0	33967	613
NT					Headline	204	24.9	55.2	1.3	0.6	0.8	34525	615
NT					UTC	202	25.3	55.4	1.2	0.0	1.2	33410	610
NT				160		190	25.2	55.3	1.2	0.2	1.0	34472	573
NT				210		216	25.0	55.3	1.4	0.4	1.0	33463	652
NT			35000			201	24.9	55.6	1.1	0.6	0.5	31785	608
NT			45000			205	25.2	55.0	1.5	0.0	1.5	36150	617
NT					P9998AMXT (RR)	204	23.4	55.8	1.7	0.0	1.7	34160	622
NT					Jung 53SS517RIB (SS)	202	26.8	54.7	0.9	0.6	0.3	33775	604
NT	CC					204	25.2	55.4	1.1	0.4	0.6	33222	614
NT	CS					202	25.0	55.2	1.5	0.1	1.4	34713	611
Mean						211	24.2	56.2	1.2	0.2	1.1	33273	641

continue

Table: 1819-01 . Multi-factor effects on continuous and rotated corn.(continued) **Arlington, WI - 2018.**

Tillage Rotation	Genotype	Plant	N	Fungicide	Grain	Grain	Test	Lodged			Harvest	*AGI
		Density	rate		yield	moisture	weight	Total	Stalk	Root	density	\$3.44/bu
		plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	\$
<u>Probability(%)</u>												
Fungicide					93.5	61.2	20.6	82.7	16.8	45.4	75.6	90.9
Genotype					83.4	0.0	0.7	39.2	16.8	15.0	18.0	12.4
Genotype*Fungicide					19.2	53.7	64.2	83.6	12.2	42.3	38.9	18.0
Genotype*NRate					96.6	26.6	69.5	92.0	51.5	72.6	3.6	82.7
Genotype*PD					84.9	23.7	25.1	30.6	16.3	54.2	9.3	91.6
NRate					0.0	62.8	64.8	33.7	64.1	22.2	46.6	0.0
NRate*Fungicide					56.4	70.7	98.2	74.4	51.5	55.0	72.5	53.8
PD					19.8	17.6	13.2	61.1	10.9	25.1	0.0	25.9
PD*Fungicide					85.3	37.9	54.1	97.5	16.3	62.9	92.5	93.6
PD*NRate					57.8	13.4	96.1	47.5	62.0	33.5	10.6	69.9
Rotation					89.1	78.5	89.8	50.7	48.6	32.6	14.3	86.5
Rotation*Fungicide					78.0	9.5	13.7	42.7	62.0	49.0	13.6	89.5
Rotation*Genotype					17.8	16.9	23.1	25.7	62.0	28.8	77.1	14.3
Rotation*NRate					67.7	5.7	43.6	92.0	16.3	53.0	0.6	53.7
Rotation*PD					91.1	7.2	93.1	66.4	51.5	81.2	63.2	78.1
Tillage					0.0	0.0	0.0	87.3	17.6	74.5	0.5	0.0
Tillage*Fungicide					76.9	37.4	50.4	71.4	16.8	91.3	4.9	71.7
Tillage*Genotype					86.8	18.5	79.5	54.6	16.8	24.3	3.5	97.6
Tillage*NRate					20.9	77.2	73.0	23.9	64.1	26.2	17.4	22.1
Tillage*PD					71.7	75.5	96.0	93.0	10.9	48.9	14.0	72.8
Tillage*Rotation					84.5	41.1	67.9	87.0	48.6	66.3	10.9	91.8
<u>LSD(0.10)</u>												
Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
Genotype					NS	0.5	0.6	NS	NS	NS	NS	NS
Genotype*Fungicide					NS	NS	NS	NS	NS	NS	1137	NS
Genotype*NRate					NS	NS	NS	NS	NS	NS	1137	NS
Genotype*PD					NS	NS	NS	NS	NS	NS	1137	NS
NRate					6	NS	NS	NS	NS	NS	NS	NS
NRate*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
PD					NS	NS	NS	NS	NS	NS	801	NS
PD*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
PD*NRate					NS	NS	NS	NS	NS	NS	NS	NS
Rotation					NS	NS	NS	NS	NS	NS	NS	NS
Rotation*Fungicide					NS	0.7	NS	NS	NS	NS	NS	NS
Rotation*Genotype					NS	NS	NS	NS	NS	NS	NS	NS
Rotation*NRate					NS	0.7	NS	NS	NS	NS	1137	NS
Rotation*PD					NS	0.7	NS	NS	NS	NS	NS	NS
Tillage					6	0.5	0.6	NS	NS	NS	786	19
Tillage*Fungicide					NS	NS	NS	NS	NS	NS	1126	NS
Tillage*Genotype					NS	NS	NS	NS	NS	NS	1126	NS
Tillage*NRate					NS	NS	NS	NS	NS	NS	NS	NS
Tillage*PD					NS	NS	NS	NS	NS	NS	NS	NS
Tillage*Rotation					NS	NS	NS	NS	NS	NS	NS	NS

*AGI: Adjusted Gross Income

FIELD EXPERIMENT HISTORY

Title: Multi-factor effects for continuous corn
Experiment: 19Systems **Trial ID:** 6259 **Year:** 2018
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 :	28-0-0	See factors	6 /12/18
Manure:	N/A	N/A	N/A

Herbicide: Medal II EC @ 24 oz/a 4/27/18
Tomahawk 5 @ 22 oz/A 4/27/18
Tomahawk 5 @ 22 oz/A 6/7/18

Insecticide: N/A
Hybrid: 1) RR: P9998AMXT
2) SS:Jung 53SS517RIB

Irrigation: None

Planting Date: C: 5/7/18

Planting Depth: 1.5"

Row Width: 30"

Target Plant Density: See Factors

Harvest Date: C: 10/22/18

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:

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

Micro Nutrients:

1) - UTC
2) - Smart trio

Plant Density:

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

Genotype:

1- RR: P9998AMXT
2- SS:Jung 53SS517RIB

Results: Table 1819-02

**Table: 1819-02 . Multi-factor effects on continuous corn.
Arlington, WI - 2018**

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 \$3.44/bu \$
									Total %	Stalk %	Root %		
					Headline	207	24.8	55.0	1.0	0.2	0.8	35182	627
					UTC	212	24.4	54.8	0.4	0.0	0.3	35099	643
					UTC	209	24.3	55.1	0.7	0.3	0.3	35211	633
					UTC Headline	205	24.5	55.1	0.7	0.7	0.1	35826	623
					UTC UTC	212	24.0	55.1	0.6	0.0	0.6	34596	644
					Smart Trio	211	24.9	54.7	0.7	-0.1	0.8	35070	637
					Smart Trio Headline	209	25.0	55.0	1.3	-0.2	1.5	34539	632
					Smart Trio UTC	212	24.8	54.4	0.1	0.0	0.1	35602	642
		160				199	24.6	55.2	0.7	0.0	0.7	34836	603
		160			Headline	195	24.8	55.2	0.8	0.0	0.8	34451	590
		160			UTC	203	24.4	55.2	0.6	0.0	0.6	35221	617
		160			UTC	197	24.2	55.5	0.7	0.0	0.7	34922	600
		160			Smart Trio	201	24.9	54.9	0.7	0.0	0.7	34750	607
		210				220	24.6	54.7	0.7	0.3	0.5	35445	667
		210			Headline	220	24.8	54.9	1.3	0.5	0.8	35914	664
		210			UTC	221	24.5	54.4	0.1	0.0	0.1	34977	669
		210			UTC	220	24.3	54.8	0.6	0.6	0.0	35500	667
		210			Smart Trio	221	24.9	54.5	0.8	-0.1	0.9	35391	667
		35000				212	24.4	55.2	0.4	0.0	0.3	32523	644
		35000			Headline	211	24.9	55.6	0.8	0.0	0.8	31951	639
		35000			UTC	213	23.9	54.8	-0.1	0.0	-0.1	33096	649
		35000			UTC	212	24.2	55.4	0.0	0.0	0.0	32547	644
		35000			Smart Trio	212	24.5	55.0	0.7	0.0	0.7	32500	644
		35000	160			204	24.1	55.1	0.0	0.0	0.0	32047	620
		35000	210			220	24.6	55.3	0.7	0.0	0.7	33000	668
		45000				207	24.8	54.6	1.0	0.3	0.8	37758	626
		45000			Headline	203	24.7	54.5	1.2	0.5	0.8	38414	615
		45000			UTC	211	24.9	54.8	0.8	0.0	0.8	37102	637
		45000			UTC	205	24.3	54.9	1.3	0.6	0.7	37875	622
		45000			Smart Trio	209	25.3	54.4	0.7	-0.1	0.9	37641	630
		45000	160			194	25.0	55.2	1.4	0.0	1.4	37625	587
		45000	210			220	24.6	54.1	0.7	0.5	0.2	37891	665
	P9998AMXT (RR)					209	22.7	55.3	0.8	0.0	0.8	35211	640
	P9998AMXT (RR)				Headline	206	23.0	55.6	1.1	0.0	1.1	34951	631
	P9998AMXT (RR)				UTC	211	22.5	54.9	0.6	0.0	0.6	35471	649
	P9998AMXT (RR)				UTC	208	22.0	55.3	0.7	0.0	0.7	35672	641
	P9998AMXT (RR)				Smart Trio	209	23.4	55.2	1.0	0.0	1.0	34750	638
	P9998AMXT (RR)		160			196	23.0	55.8	1.4	0.0	1.3	34922	600
	P9998AMXT (RR)		210			221	22.4	54.8	0.3	0.0	0.3	35500	679
	P9998AMXT (RR)	35000				214	22.2	55.8	0.0	0.0	0.0	32422	658
	P9998AMXT (RR)	45000				203	23.3	54.7	1.7	0.0	1.7	38000	621

continue

Table: 1819-02 . Multi-factor effects on continuous corn.

(continued)

Arlington, WI - 2018

Tillage	Genotype	Plant Density	N rate	Micro Mix	Fungicide	Grain yield	Grain moisture	Test weight	Lodged			Harvest density	AGI \$3.44/bu \$
									Total	Stalk	Root		
		plants/A	lbs/A			bu/A	%	lbs	%	%	%	plants/A	
	Jung 53SS517RIB (SS)					211	26.4	54.6	0.6	0.3	0.3	35070	631
	Jung 53SS517RIB (SS)				Headline	208	26.5	54.5	1.0	0.5	0.5	35414	623
	Jung 53SS517RIB (SS)				UTC	213	26.3	54.6	0.1	0.0	0.1	34727	638
	Jung 53SS517RIB (SS)				UTC	209	26.5	55.0	0.6	0.6	0.0	34750	625
	Jung 53SS517RIB (SS)				Smart Trio	212	26.4	54.2	0.5	-0.1	0.6	35391	636
	Jung 53SS517RIB (SS)		160			202	26.1	54.6	0.0	0.0	0.0	34750	607
	Jung 53SS517RIB (SS)		210			219	26.8	54.6	1.1	0.5	0.6	35391	654
	Jung 53SS517RIB (SS)	35000				211	26.6	54.6	0.7	0.0	0.7	32625	630
	Jung 53SS517RIB (SS)	45000				211	26.3	54.6	0.4	0.5	-0.1	37516	631
CT						215	23.5	55.9	0.7	0.2	0.5	35182	657
CT					Headline	214	23.7	56.1	1.4	0.5	0.9	35240	652
CT					UTC	217	23.4	55.6	0.0	0.0	0.0	35125	661
CT					UTC	211	23.3	56.3	0.7	0.7	0.1	35201	645
CT					Smart Trio	219	23.8	55.5	0.6	-0.2	0.8	35164	668
CT			160			206	23.2	55.9	0.1	0.0	0.1	34076	629
CT			210			225	23.8	55.9	1.3	0.5	0.8	36289	684
CT		35000				219	23.2	56.1	0.8	0.0	0.8	31951	670
CT		45000				211	23.8	55.7	0.6	0.5	0.1	38414	643
CT	P9998AMXT (RR)					211	21.5	56.3	0.4	0.0	0.4	35701	652
CT	Jung 53SS517RIB (SS)					220	25.6	55.5	1.0	0.5	0.5	34664	661
NT						204	25.6	54.0	0.7	0.0	0.7	35099	613
NT					Headline	200	25.9	54.0	0.7	0.0	0.7	35125	602
NT					UTC	207	25.4	54.0	0.7	0.1	0.7	35073	625
NT					UTC	206	25.2	54.0	0.6	0.0	0.6	35221	621
NT					Smart Trio	202	26.1	53.9	0.8	0.0	0.8	34977	606
NT			160			192	25.9	54.5	1.2	0.0	1.2	35596	578
NT			210			215	25.4	53.5	0.1	0.0	0.1	34602	649
NT		35000				205	25.5	54.3	-0.1	0.0	-0.1	33096	618
NT		45000				203	25.8	53.6	1.5	0.0	1.5	37102	609
NT	P9998AMXT (RR)					206	24.0	54.2	1.2	0.0	1.2	34721	627
NT	Jung 53SS517RIB (SS)					202	27.3	53.7	0.1	0.0	0.1	35477	600
Mean						210	24.6	54.9	0.7	0.1	0.6	35141	635

Table: 1819-02 . Multi-factor effects on continuous corn.

(continued)

Arlington, WI - 2018

Tillage	Genotype	Plant	N	Micro Mix	Fungicide	Grain	Grain	Test	Lodged			Harvest	AGI
		Density	rate			yield	moisture	weight	Total	Stalk	Root	density	\$3.44/bu
		plants/A	lbs/A			bu/A	%	lbs	%	%	%	plants/A	\$
Mean						210	24.6	54.9	0.7	0.1	0.6	35141	635
<u>Probability(%)</u>													
Fungicide						22.3	54.4	66.9	17.3	39.8	18.1	91.2	21.9
Genotype						58.9	0.0	28.3	56.3	35.5	13.8	85.6	48.9
Genotype*Fungicide						94.7	80.8	57.4	79.3	42.0	81.9	44.8	89.0
Genotype*Micro						74.0	22.2	61.4	62.0	16.6	72.9	33.0	58.7
Genotype*NRate						32.8	28.2	44.6	4.7	31.6	3.4	96.8	25.2
Genotype*PD						19.6	26.1	42.3	5.2	31.6	0.1	66.5	15.9
Micro						59.4	28.2	49.7	87.8	13.1	17.8	85.6	77.4
Micro*Fungicide						69.3	90.5	63.8	33.3	11.6	1.6	15.9	69.3
NRate						0.0	93.1	40.2	93.4	35.5	56.5	43.4	0.0
NRate*Fungicide						36.2	93.7	72.5	36.7	42.0	48.4	28.8	40.2
NRate*Micro						77.3	98.0	83.3	87.9	16.6	21.1	96.8	76.8
PD						20.2	46.4	35.9	18.3	35.5	21.6	0.0	18.2
PD*Fungicide						44.3	30.4	40.4	56.6	42.0	16.3	13.2	61.6
PD*Micro						62.6	59.2	91.4	19.2	16.6	39.6	90.6	74.2
PD*NRate						28.0	44.2	31.3	17.1	31.6	1.2	66.5	26.5
Tillage						0.8	0.2	0.4	99.9	39.8	52.6	91.2	0.3
Tillage*Fungicide						61.4	92.2	69.7	16.7	31.6	21.1	96.8	63.1
Tillage*Genotype						11.7	53.8	82.2	12.3	42.0	10.4	26.6	18.6
Tillage*Micro						14.5	77.7	56.1	72.4	11.6	48.4	89.5	16.1
Tillage*NRate						61.4	39.2	44.5	3.5	42.0	1.6	5.4	54.4
Tillage*PD						48.3	85.1	80.1	6.8	42.0	0.3	13.2	47.8
<u>LSD(0.10)</u>													
Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Genotype						NS	1.0	NS	NS	NS	NS	NS	NS
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	1.2	NS	0.8	NS	NS
Genotype*PD						NS	NS	NS	1.2	NS	0.8	NS	NS
Micro						NS	NS	NS	NS	NS	NS	NS	NS
Micro*Fungicide						NS	NS	NS	NS	NS	0.8	NS	NS
NRate						7	NS	NS	NS	NS	NS	NS	22
NRate*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
NRate*Micro						NS	NS	NS	NS	NS	NS	NS	NS
PD						NS	NS	NS	NS	NS	NS	1321	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	0.8	NS	NS
Tillage						7	1.0	1.0	NS	NS	NS	NS	22
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	1.2	NS	0.8	1868	NS
Tillage*PD						NS	NS	NS	1.2	NS	0.8	NS	NS

*AGI: Adjusted Gross Income