FIELD EXPERIMENT HISTORY

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

Experiment: 19Systems **Trial ID:** 6337 **Year:** 2019

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 :	MAP 11-52-0	325 lbs/A	4/24/19
	0-0-60	325 lbs/A	4/24/19
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: Roundup Power Max @ 22 oz/A 6/20/19
Dual II Magnum @ 24 oz/A 4/26/19
Roundup Power Max @ 22 oz/A 4/26/19

Insecticide: N/A

Hybrid: 1) RR: P9998AMXT
2) SS:Jung 52SS507RIB
3) Soybean: Asgrow AG20X9

Irrigation: None

Planting Date: C: 5/23/19
S: 6/03/19

Planting Depth: 1.5"

Target Plant Density: See Factors

Row Width: 30"

Harvest Date: C: 11/5/19
S: 11/24/19

Planting Method: JD1700 w RTK

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

Notes: No C/S rotation in 2019, map same as in 2018.

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 1919-01

Table: 1919-01 . Multi-factor effects on continuous and rotated corn.
Arlington, WI - 2019.

Tillage	Rotation	Genotype	Plant Density	N rate	Fungicide	Grain yield	Grain moisture	Test weight	Lodged Total	Lodged Stalk	Lodged Root	Harvest density	*AGI $3.54/bu
			plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	$
					Headline	206	31.1	51.8	-0.1	0.0	-0.1	36731	617
					UTC	204	30.2	53.0	0.6	0.3	0.3	36716	615
				160		203	30.8	52.5	0.4	0.3	0.1	36810	610
				160	Headline	204	31.4	51.8	0.0	0.0	0.0	36750	610
				160	UTC	202	30.1	53.2	0.7	0.6	0.1	36870	609
				210		207	30.6	52.3	0.2	0.0	0.2	36637	622
				210	Headline	208	30.8	51.9	-0.1	0.0	-0.1	36712	624
				210	UTC	206	30.3	52.7	0.4	0.0	0.4	36563	620
			35000			204	30.4	52.9	0.1	0.0	0.1	32873	614
			35000		Headline	206	31.1	52.2	0.0	0.0	0.0	32438	617
			35000		UTC	202	29.8	53.7	0.1	0.0	0.1	33308	610
			35000	160		201	30.7	53.1	0.1	0.0	0.1	32495	604
			35000	210		206	30.1	52.8	0.0	0.0	0.0	33250	623
			45000			206	30.9	51.9	0.5	0.3	0.2	40575	618
			45000		Headline	206	31.2	51.5	-0.1	0.0	-0.1	41024	616
			45000		UTC	206	30.7	52.2	1.1	0.6	0.4	40125	619
			45000	160		205	30.8	51.9	0.6	0.6	0.0	41125	615
			45000	210		207	31.0	51.9	0.3	0.0	0.3	40024	620
		P9998AMXT (RR)				204	28.9	53.4	0.1	0.1	0.1	36529	622
		P9998AMXT (RR)			Headline	205	29.4	53.0	0.0	0.0	0.0	36500	621
		P9998AMXT (RR)			UTC	204	28.4	53.9	0.3	0.2	0.1	36558	623
		P9998AMXT (RR)		160		202	29.1	53.1	0.3	0.2	0.1	36120	613
		P9998AMXT (RR)		210		207	28.8	53.8	0.0	0.0	0.0	36938	631
		P9998AMXT (RR)	35000			205	28.3	54.0	0.1	0.0	0.1	32995	627
		P9998AMXT (RR)	45000			204	29.6	52.9	0.2	0.2	0.0	40063	617
		Jung 52SS507RIB (SS)				205	32.4	51.4	0.4	0.2	0.2	36918	610
		Jung 52SS507RIB (SS)			Headline	207	32.8	50.7	-0.1	0.0	-0.1	36962	613
		Jung 52SS507RIB (SS)			UTC	203	32.1	52.0	0.9	0.5	0.4	36875	606
		Jung 52SS507RIB (SS)		160		204	32.4	51.9	0.5	0.5	0.0	37500	606
		Jung 52SS507RIB (SS)		210		206	32.4	50.8	0.3	0.0	0.3	36337	613
		Jung 52SS507RIB (SS)	35000			202	32.6	51.9	0.0	0.0	0.0	32750	600
		Jung 52SS507RIB (SS)	45000			208	32.3	50.8	0.8	0.5	0.3	41087	619
	CC					206	30.7	52.4	0.1	0.1	0.1	36998	620
	CC				Headline	208	31.0	51.6	0.0	0.0	0.0	37563	624
	CC				UTC	204	30.4	53.3	0.3	0.2	0.1	36433	615
	CC			160		204	30.8	52.5	0.3	0.2	0.1	37620	613
	CC			210		208	30.6	52.4	0.0	0.0	0.0	36375	626
	CC		35000			206	30.3	53.1	0.1	0.0	0.1	33370	620
	CC		45000			206	31.1	51.8	0.2	0.2	0.0	40625	619
	CC	P9998AMXT (RR)				205	28.6	53.3	0.3	0.2	0.1	36683	626
	CC	Jung 52SS507RIB (SS)				207	32.8	51.5	0.0	0.0	0.0	37313	613

continue

Table: 1919-01 . Multi-factor effects on continuous and rotated corn.
(continued) **Arlington, WI - 2019.**

Tillage	Rotation	Genotype	Plant Density	N rate	Fungicide	Grain yield	Grain moisture	Test weight	Lodged			Harvest density	*AGI $3.54/bu
									Total	Stalk	Root		
			plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	$
	CS					203	30.7	52.4	0.4	0.2	0.2	36450	612
	CS				Headline	204	31.3	52.1	-0.1	0.0	-0.1	35899	610
	CS				UTC	203	30.0	52.6	0.9	0.5	0.4	37000	614
	CS			160		202	30.8	52.5	0.5	0.5	0.0	36000	606
	CS			210		205	30.6	52.2	0.3	0.0	0.3	36899	617
	CS		35000			202	30.6	52.7	0.0	0.0	0.0	32375	607
	CS		45000			205	30.8	52.0	0.8	0.5	0.3	40524	617
	CS	P9998AMXT (RR)				203	29.2	53.5	0.0	0.0	0.0	36375	618
	CS	Jung 52SS507RIB (SS)				203	32.1	51.2	0.8	0.5	0.3	36524	606
CT						212	29.7	53.2	0.2	0.2	0.0	36113	640
CT					Headline	213	30.2	52.1	-0.1	0.0	-0.1	35564	643
CT					UTC	210	29.3	54.2	0.5	0.3	0.2	36661	638
CT				160		211	29.7	53.7	0.3	0.3	0.0	36723	638
CT				210		212	29.7	52.6	0.1	0.0	0.1	35502	643
CT			35000			211	29.5	54.0	0.0	0.0	0.0	32536	640
CT			45000			212	29.9	52.3	0.4	0.3	0.1	39689	640
CT		P9998AMXT (RR)				211	27.8	54.2	0.0	0.0	0.0	35911	646
CT		Jung 52SS507RIB (SS)				212	31.7	52.1	0.4	0.3	0.1	36314	634
CT	CC					214	29.6	53.3	0.0	0.0	0.0	36348	649
CT	CS					209	29.9	53.0	0.4	0.3	0.1	35877	631
NT						198	31.6	51.6	0.3	0.2	0.2	37335	591
NT					Headline	198	32.0	51.6	0.0	0.0	0.0	37897	591
NT					UTC	197	31.2	51.7	0.7	0.3	0.4	36772	591
NT				160		195	31.8	51.3	0.4	0.3	0.1	36897	582
NT				210		201	31.4	52.0	0.2	0.0	0.2	37772	600
NT			35000			196	31.3	51.9	0.1	0.0	0.1	33210	587
NT			45000			200	31.9	51.4	0.6	0.3	0.2	41460	595
NT		P9998AMXT (RR)				198	30.1	52.6	0.3	0.1	0.1	37147	597
NT		Jung 52SS507RIB (SS)				198	33.2	50.6	0.4	0.2	0.2	37522	585
NT	CC					198	31.8	51.5	0.3	0.1	0.1	37647	590
NT	CS					198	31.4	51.7	0.4	0.2	0.2	37022	592
Mean						205	30.7	52.4	0.3	0.2	0.1	36724	616

continue

Table: 1919-01 . Multi-factor effects on continuous and rotated corn.
(continued) **Arlington, WI - 2019.**

Tillage	Rotation	Genotype	Plant Density	N rate	Fungicide	Grain yield	Grain moisture	Test weight	Lodged Total	Lodged Stalk	Lodged Root	Harvest density	*AGI $3.54/bu
			plants/A	lbs/A		bu/A	%	lbs	%	%	%	plants/A	$
Probability(%)													
Fungicide						52.9	2.9	7.0	0.2	5.0	4.6	98.1	81.7
Genotype						81.1	0.0	0.1	19.3	33.3	49.3	52.0	23.6
Genotype*Fungicide						67.4	74.0	68.4	7.5	34.0	19.3	90.6	65.7
Genotype*NRate						63.0	69.9	17.0	71.4	34.0	17.4	11.0	58.9
Genotype*PD						26.1	4.7	96.8	6.9	34.3	17.4	30.2	17.3
NRate						24.7	68.4	75.1	32.3	5.0	49.3	77.4	25.1
NRate*Fungicide						97.1	31.7	66.1	64.0	5.3	19.3	82.5	87.2
PD						52.1	23.2	8.6	3.9	4.9	49.3	0.0	68.3
PD*Fungicide						48.9	30.3	53.5	1.2	5.2	19.3	15.2	61.2
PD*NRate						58.1	29.2	79.9	67.2	5.2	17.4	13.4	50.1
Rotation						43.0	93.4	89.5	19.3	33.3	49.3	36.6	46.2
Rotation*Fungicide						60.5	35.1	31.6	7.5	34.0	19.3	7.3	54.7
Rotation*Genotype						79.0	13.9	67.0	1.1	5.3	17.4	69.5	99.6
Rotation*NRate						91.1	93.0	81.5	71.4	34.0	17.4	8.4	93.1
Rotation*PD						62.0	48.5	64.7	6.9	34.3	17.4	46.6	57.1
Tillage						0.0	0.0	1.3	49.3	97.3	41.5	4.3	0.0
Tillage*Fungicide						77.8	91.0	9.3	60.7	90.6	45.4	7.0	81.9
Tillage*Genotype						81.8	30.7	88.1	45.8	40.4	90.8	98.1	99.3
Tillage*NRate						51.3	68.4	14.9	99.9	90.6	90.8	8.7	51.3
Tillage*PD						63.5	83.2	30.8	95.5	84.7	90.8	36.6	68.2
Tillage*Rotation						36.7	39.3	65.4	45.8	40.4	90.8	89.9	32.5
LSD(0.10)													
Fungicide						NS	0.7	1.0	0.3	0.3	0.3	NS	NS
Genotype						NS	0.7	1.0	NS	NS	NS	NS	NS
Genotype*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Genotype*NRate						NS	NS	NS	NS	NS	NS	NS	NS
Genotype*PD						NS	1.0	NS	0.5	NS	NS	NS	NS
NRate						NS	NS	NS	NS	0.3	NS	NS	NS
NRate*Fungicide						NS	NS	NS	NS	0.4	NS	NS	NS
PD						NS	NS	NS	0.3	0.3	NS	1006	NS
PD*Fungicide						NS	NS	NS	0.5	0.4	NS	NS	NS
PD*NRate						NS	NS	NS	NS	0.4	NS	NS	NS
Rotation						NS	NS	NS	NS	NS	NS	NS	NS
Rotation*Fungicide						NS	NS	NS	0.5	NS	NS	1429	NS
Rotation*Genotype						NS	NS	NS	0.5	0.4	NS	NS	NS
Rotation*NRate						NS	NS	NS	NS	NS	NS	1429	NS
Rotation*PD						NS	NS	NS	0.5	NS	NS	NS	NS
Tillage						5	0.7	1.0	NS	NS	NS	988	17
Tillage*Fungicide						NS	NS	1.4	NS	NS	NS	1414	NS
Tillage*Genotype						NS	NS	NS	NS	NS	NS	NS	NS
Tillage*NRate						NS	NS	NS	NS	NS	NS	1414	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:** 6338 **Year:** 2019

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 :	MAP 11-52-0	325 lbs/A	4/24/19
	0-0-60	325 lbs/A	4/24/19
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: Roundup Power Max @ 22 oz/A 6/20/19
Dual II Magnum @ 24 oz/A 4/26/19
Roundup Power Max @ 22 oz/A 4/26/19

Insecticide: N/A

Hybrid: 1) RR: P9998AMXT
2) SS:Jung 52SS507RIB

Irrigation: None

Planting Date: C: 5/23/19

Planting Depth: 1.5"

Target Plant Density: See Factors

Row Width: 30"

Planting Method: JD1700 w RTK

Harvest Date: C: 11/5/19

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) - Smart trio

Plant Density:

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

Genotype:

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

Results: Table 1919-02

Table: 1919-02 . Multi-factor effects on continuous corn.
Arlington, WI - 2019

Tillage	Genotype	Plant Density	N rate	Micro Mix	Fungicide	Grain yield	Grain moisture	Test weight	Lodged			Harvest density	AGI
									Total	Stalk	Root		$3.54/bu
		plants/A	lbs/A			bu/A	%	lbs	%	%	%	plants/A	$
					Headline	193	32.6	51.2	0.2	0.1	0.1	37427	574
					UTC	200	30.5	52.3	0.7	0.7	0.0	37635	603
				Quatro		195	31.8	51.5	0.4	0.4	0.0	37625	583
				Quatro	Headline	190	33.2	50.7	0.1	0.1	0.0	37198	564
				Quatro	UTC	200	30.4	52.3	0.7	0.7	0.0	38052	602
				UTC		198	31.3	51.9	0.6	0.5	0.1	37438	594
				UTC	Headline	196	32.1	51.7	0.4	0.1	0.3	37656	584
				UTC	UTC	201	30.6	52.2	0.7	0.8	-0.1	37219	605
			160			194	31.4	52.1	0.9	0.8	0.1	37688	581
			160		Headline	190	32.7	51.1	0.4	0.1	0.3	37031	564
			160		UTC	198	30.1	53.1	1.4	1.5	-0.1	38344	599
			160	Quatro		192	32.0	51.5	0.7	0.7	0.0	38250	574
			160	UTC		196	30.8	52.7	1.1	0.9	0.2	37125	588
			210			200	31.7	51.4	0.0	0.0	0.0	37375	596
			210		Headline	197	32.6	51.3	0.1	0.1	0.0	37823	584
			210		UTC	202	30.9	51.5	0.0	0.0	0.0	36927	608
			210	Quatro		198	31.6	51.6	0.1	0.1	0.0	37000	592
			210	UTC		201	31.9	51.2	0.0	0.0	0.0	37750	600
		35000				202	31.5	51.7	0.4	0.3	0.1	34000	604
		35000			Headline	199	32.6	51.3	0.4	0.1	0.3	33906	592
		35000			UTC	204	30.3	52.0	0.4	0.5	-0.1	34094	616
		35000		Quatro		202	30.9	51.7	0.0	0.0	0.0	34250	607
		35000		UTC		202	32.0	51.7	0.8	0.6	0.2	33750	602
		35000	160			202	31.3	51.8	0.8	0.6	0.2	34750	605
		35000	210			202	31.7	51.6	0.0	0.0	0.0	33250	603
		45000				192	31.7	51.8	0.5	0.5	0.0	41063	573
		45000			Headline	187	32.6	51.1	0.1	0.1	0.0	40948	555
		45000			UTC	196	30.7	52.5	1.0	1.0	0.0	41177	590
		45000		Quatro		188	32.7	51.4	0.7	0.7	0.0	41000	559
		45000		UTC		195	30.7	52.2	0.3	0.3	0.0	41125	587
		45000	160			186	31.5	52.4	1.0	1.0	0.0	40625	557
		45000	210			197	31.8	51.2	0.1	0.1	0.0	41500	589
	P9998AMXT (RR)					199	30.5	52.6	0.7	0.6	0.1	36750	600
	P9998AMXT (RR)				Headline	194	31.7	51.7	0.4	0.1	0.3	37531	580
	P9998AMXT (RR)				UTC	204	29.3	53.4	1.0	1.1	-0.1	35969	620
	P9998AMXT (RR)			Quatro		197	31.0	52.1	0.7	0.7	0.0	36875	592
	P9998AMXT (RR)			UTC		201	29.9	53.0	0.8	0.6	0.2	36625	608
	P9998AMXT (RR)		160			196	30.0	53.2	1.4	1.2	0.2	36875	591
	P9998AMXT (RR)		210			203	30.9	51.9	0.0	0.0	0.0	36625	608
	P9998AMXT (RR)	35000				204	30.8	52.0	0.5	0.3	0.2	33500	613
	P9998AMXT (RR)	45000				194	30.1	53.2	1.0	1.0	0.0	40000	587

continue

Table: 1919-02 . Multi-factor effects on continuous corn.
(continued) **Arlington, WI - 2019**

Tillage	Genotype	Plant Density	N rate	Micro Mix	Fungicide	Grain yield	Grain moisture	Test weight	Lodged Total	Lodged Stalk	Lodged Root	Harvest density	AGI $3.54/bu
		plants/A	lbs/A			bu/A	%	lbs	%	%	%	plants/A	$
	Jung 52SS507RIB (SS)					194	32.7	50.9	0.2	0.2	0.0	38313	577
	Jung 52SS507RIB (SS)				Headline	192	33.6	50.7	0.1	0.1	0.0	37323	567
	Jung 52SS507RIB (SS)				UTC	197	31.8	51.2	0.3	0.3	0.0	39302	587
	Jung 52SS507RIB (SS)			Quatro		193	32.6	50.9	0.1	0.1	0.0	38375	574
	Jung 52SS507RIB (SS)			UTC		196	32.8	50.9	0.3	0.3	0.0	38250	581
	Jung 52SS507RIB (SS)		160			192	32.8	50.9	0.3	0.3	0.0	38500	571
	Jung 52SS507RIB (SS)		210			196	32.6	50.9	0.1	0.1	0.0	38125	584
	Jung 52SS507RIB (SS	35000				200	32.2	51.4	0.3	0.3	0.0	34500	596
	Jung 52SS507RIB (SS	45000				189	33.2	50.5	0.1	0.1	0.0	42125	559
CT						203	30.3	52.3	0.6	0.6	0.0	36927	611
CT					Headline	201	31.2	51.4	0.1	0.2	-0.1	37104	602
CT					UTC	205	29.3	53.2	1.1	1.1	0.0	36750	621
CT				Quatro		206	30.1	52.1	0.7	0.7	0.0	37573	621
CT				UTC		200	30.4	52.5	0.5	0.6	-0.1	36281	602
CT			160			201	29.7	53.0	1.1	1.2	-0.1	36656	609
CT			210			204	30.8	51.6	0.1	0.1	0.0	37198	613
CT		35000				208	30.4	52.1	0.5	0.6	-0.1	34031	626
CT		45000				198	30.1	52.5	0.7	0.7	0.0	39823	597
CT	P9998AMXT (RR)					203	29.0	53.2	1.1	1.2	-0.1	36156	618
CT	Jung 52SS507RIB (SS)					202	31.6	51.5	0.1	0.1	0.0	37698	605
NT						191	32.9	51.2	0.3	0.2	0.1	38135	566
NT					Headline	186	34.0	51.0	0.4	0.0	0.4	37750	546
NT					UTC	196	31.7	51.3	0.3	0.4	-0.1	38521	586
NT				Quatro		184	33.5	51.0	0.0	0.0	0.0	37677	545
NT				UTC		197	32.2	51.4	0.6	0.4	0.3	38594	587
NT			160			187	33.1	51.2	0.6	0.4	0.3	38719	553
NT			210			195	32.6	51.2	0.0	0.0	0.0	37552	579
NT		35000				196	32.5	51.2	0.3	0.1	0.3	33969	583
NT		45000				185	33.2	51.1	0.3	0.3	0.0	42302	549
NT	P9998AMXT (RR)					195	31.9	51.9	0.3	0.0	0.3	37344	582
NT	Jung 52SS507RIB (SS)					187	33.8	50.4	0.3	0.3	0.0	38927	550
Fungicide						4.8	0.1	1.5	25.9	8.6	24.6	76.9	1.4
Genotype						19.5	0.1	0.1	21.0	25.2	56.5	4.2	5.7
Genotype*Fungicide						43.0	61.4	16.4	67.3	34.3	26.8	2.6	40.1
Genotype*Micro						83.6	30.4	31.6	83.2	63.1	57.4	93.3	70.4
Genotype*NRate						69.8	35.6	12.0	17.9	21.1	57.4	93.3	85.4
Genotype*PD						79.6	14.3	2.0	35.7	21.1	57.4	45.2	61.4
Micro						33.9	43.0	32.8	62.5	77.1	56.5	79.6	32.2
Micro*Fungicide						53.6	26.6	22.4	72.7	91.7	26.8	38.9	44.2
NRate						13.4	55.4	9.8	4.6	4.8	56.5	66.7	20.4
NRate*Fungicide						72.7	44.6	3.8	22.5	7.5	26.8	14.8	64.6
NRate*Micro						99.8	17.5	7.7	54.8	67.3	57.4	21.6	79.1

continue

Table: 1919-02 . Multi-factor effects on continuous corn.
(continued) **Arlington, WI - 2019**

Tillage	Genotype	Plant Density	N rate	Micro Mix	Fungicide	Grain yield	Grain moisture	Test weight	Lodged Total	Lodged Stalk	Lodged Root	Harvest density	AGI $3.54/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						0.8	74.4	75.3	80.6	60.2	56.5	0.0	1.1
PD*Fungicide						54.2	74.1	36.5	29.2	49.2	26.8	97.8	62.6
PD*Micro						33.4	1.3	33.7	15.2	17.7	57.4	67.4	17.0
PD*NRate						13.6	88.3	28.3	90.8	70.9	57.4	12.2	16.3
Tillage						0.2	0.0	0.9	50.0	21.5	24.6	10.0	0.1
Tillage*Fungicide						36.8	71.5	11.0	19.5	46.8	10.3	45.2	39.0
Tillage*Genotype						32.9	53.1	81.6	19.7	6.3	26.8	97.8	43.4
Tillage*Micro						1.8	17.2	95.7	28.5	48.0	26.8	14.8	1.5
Tillage*NRate						47.5	16.8	9.9	61.6	30.1	26.8	25.8	35.4
Tillage*PD						90.1	35.2	53.2	71.4	93.2	26.8	9.9	81.1
LSD(0.10)													
Fungicide						5.9	0.9	0.7	NS	0.6	NS	NS	18.9
Genotype						NS	1.0	0.7	NS	NS	NS	1239	19.4
Genotype*Fungicide						NS	NS	NS	NS	NS	NS	1752	NS
Genotype*Micro						NS	NS	NS	NS	NS	NS	1764	NS
Genotype*NRate						NS	NS	NS	NS	NS	NS	NS	NS
Genotype*PD						NS	NS	1.0	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						NS	NS	0.7	0.7	0.6	NS	NS	NS
NRate*Fungicide						NS	NS	1.0	NS	0.9	NS	NS	NS
NRate*Micro						NS	NS	1.0	NS	NS	NS	NS	NS
PD						6.0	NS	NS	NS	NS	NS	1239	19.4
PD*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
PD*Micro						NS	1.4	NS	NS	NS	NS	NS	NS
PD*NRate						NS	NS	NS	NS	NS	NS	NS	NS
Tillage						6	0.9	0.7	NS	NS	NS	NS	19
Tillage*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Tillage*Genotype						NS	NS	NS	NS	0.9	NS	NS	NS
Tillage*Micro						8.5	NS	NS	NS	NS	NS	NS	NS
Tillage*NRate						NS	NS	1.0	NS	NS	NS	NS	NS
Tillage*PD						NS	NS	NS	NS	NS	NS	1752	NS

*AGI: Adjusted Gross Income