FIELD EXPERIMENT HISTORY

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

Experiment: 19Systems **Trial ID:** 6499 **Year:** 2020

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 /18/20
Manure:	N/A	N/A	N/A

Herbicide: Roundup Power Max @ 32 oz/A 6/15/20
Dual II Magnum @ 24 oz/A 4/24/20

Insecticide: N/A

Hybrid: 1) RR:DKC52-35
2) SS:Jung 56SS538RIB
3) Soybean: Asgrow AG20X9

Irrigation: None

Planting Date: C: 5/8/20
S:5/11/20

Planting Depth: 1.5"

Row Width: 30"

Target Plant Density: See Factors

Harvest Date: C: 10/29/20
S: 10/17/20

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: P9998AMXT
2- SS:Jung 53SS517RIB

Results: Table 2019-01

Table: 1920-01 . Multi-factor effects on continuous and rotated corn.
Arlington, WI - 2020.

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	$
				210		234	28.3	53.8	7.0	4.1	3.0	36934	715
				210	Headline	238	27.2	54.5	7.3	3.5	3.8	36930	731
				210	UTC	230	29.5	53.2	6.8	4.6	2.2	36938	698
			35000			229	29.7	53.3	4.6	2.1	2.5	33874	694
			35000		Headline	226	29.6	53.4	3.9	0.7	3.2	34125	685
			35000		UTC	232	29.7	53.1	5.3	3.4	1.9	33622	702
			35000	160		226	28.7	53.5	3.3	1.5	1.7	33560	691
			35000	210		231	30.6	53.0	6.0	2.6	3.4	34188	697
			45000			233	27.5	54.3	8.6	4.9	3.7	39778	716
			45000		Headline	235	26.7	54.9	7.1	4.8	2.2	39805	725
			45000		UTC	231	28.3	53.6	10.1	4.9	5.2	39750	707
			45000	160		229	28.9	53.9	9.1	4.2	4.8	39875	699
			45000	210		236	26.1	54.6	8.0	5.5	2.6	39680	733
		DKC52-35RIB				230	26.7	54.5	6.9	1.5	5.5	36061	712
		DKC52-35RIB			Headline	234	26.7	54.7	5.2	0.6	4.5	36000	722
		DKC52-35RIB			UTC	227	26.7	54.2	8.7	2.3	6.4	36122	703
		DKC52-35RIB		160		225	26.3	54.5	6.8	1.5	5.3	35747	698
		DKC52-35RIB		210		236	27.1	54.5	7.0	1.5	5.6	36375	727
		DKC52-35RIB	35000			224	28.7	53.7	6.0	1.5	4.5	33310	683
		DKC52-35RIB	45000			237	24.7	55.2	7.8	1.4	6.4	38813	742
		Jung 56SS538RIB				231	30.4	53.1	6.3	5.5	0.8	37590	697
		Jung 56SS538RIB			Headline	227	29.5	53.6	5.8	4.9	0.9	37930	688
		Jung 56SS538RIB			UTC	236	31.3	52.5	6.7	6.0	0.7	37250	706
		Jung 56SS538RIB		160		231	31.3	53.0	5.5	4.3	1.2	37688	691
		Jung 56SS538RIB		210		232	29.6	53.2	7.0	6.6	0.4	37493	703
		Jung 56SS538RIB	35000			234	30.6	52.8	3.2	2.7	0.6	34438	705
		Jung 56SS538RIB	45000			229	30.3	53.3	9.3	8.3	1.0	40743	690
CC						228	27.5	54.4	3.9	3.6	0.3	36655	701
CC					Headline	224	28.3	54.5	1.7	1.7	0.0	36750	685
CC					UTC	232	26.7	54.4	6.1	5.4	0.7	36560	718
CC				160		230	27.8	54.6	3.9	3.7	0.2	36872	705
CC				210		226	27.2	54.3	3.9	3.4	0.5	36438	697
CC			35000			223	29.0	53.8	2.0	1.8	0.2	33872	680
CC			45000			233	26.1	55.1	5.8	5.3	0.5	39438	722
CC		DKC52-35RIB				235	25.3	55.3	2.2	1.5	0.7	35685	733
CC		Jung 56SS538RIB				221	29.7	53.6	5.6	5.6	0.0	37625	669

continue

Table: 1920-01 . Multi-factor effects on continuous and rotated corn.
(continued) **Arlington, WI - 2020.**

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					234	29.6	53.1	9.3	3.4	5.9	36996	708
	CS				Headline	237	27.9	53.9	9.3	3.8	5.4	37180	725
	CS				UTC	231	31.3	52.4	9.3	2.9	6.4	36813	691
	CS			160		226	29.8	52.8	8.4	2.1	6.4	36563	684
	CS			210		241	29.4	53.4	10.2	4.7	5.5	37430	732
	CS		35000			234	30.4	52.8	7.3	2.4	4.9	33875	707
	CS		45000			233	28.8	53.5	11.3	4.4	6.9	40118	709
	CS	DKC52-35RIB				226	28.0	53.6	11.6	1.4	10.2	36438	691
	CS	Jung 56SS538RIB				242	31.2	52.6	7.0	5.4	1.6	37555	725
CT						235	27.5	54.1	9.6	4.5	5.1	36159	723
CT					Headline	233	26.2	54.5	9.0	4.2	4.8	36260	721
CT					UTC	238	28.8	53.7	10.1	4.7	5.4	36058	725
CT				160		233	27.5	54.0	9.3	3.9	5.4	36246	715
CT				210		238	27.5	54.2	9.9	5.0	4.8	36072	730
CT			35000			231	28.2	53.5	6.7	2.6	4.1	33121	708
CT			45000			239	26.8	54.6	12.5	6.3	6.2	39197	737
CT		DKC52-35RIB				237	24.8	55.1	10.6	1.7	8.9	35496	742
CT		Jung 56SS538RIB				233	30.2	53.1	8.5	7.2	1.3	36822	704
CT	CC					229	26.5	54.8	5.3	5.0	0.4	36183	710
CT	CS					241	28.5	53.4	13.8	3.9	9.9	36135	735
NT						227	29.6	53.5	3.6	2.5	1.1	37492	687
NT					Headline	228	30.1	53.9	2.0	1.4	0.6	37670	689
NT					UTC	225	29.2	53.1	5.2	3.6	1.7	37314	684
NT				160		223	30.1	53.5	3.1	1.9	1.2	37189	674
NT				210		230	29.2	53.5	4.2	3.1	1.1	37795	699
NT			35000			226	31.1	53.1	2.6	1.6	1.0	34627	679
NT			45000			227	28.1	53.9	4.6	3.4	1.2	40358	694
NT		DKC52-35RIB				223	28.5	53.9	3.2	1.2	2.0	36627	683
NT		Jung 56SS538RIB				230	30.7	53.1	4.0	3.7	0.3	38358	690
NT	CC					227	28.6	54.1	2.5	2.1	0.3	37127	692
NT	CS					226	30.7	52.9	4.8	2.8	1.9	37858	681
Mean						231	28.6	53.8	6.6	3.5	3.1	36826	705

continue

Table: 1920-01 . Multi-factor effects on continuous and rotated corn.
(continued) **Arlington, WI - 2020.**

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	$
Probability(%)													
Fungicide						83.4	44.4	13.4	30.1	33.6	61.8	59.9	98.1
Genotype						86.6	0.2	1.0	75.5	0.7	0.6	0.5	45.7
Genotype*Fungicide						17.8	41.6	56.9	53.2	85.7	51.3	45.6	35.7
Genotype*NRate						42.4	26.4	87.2	77.6	42.8	74.0	44.5	67.6
Genotype*PD						12.0	11.4	35.6	31.7	5.3	66.4	45.6	7.5
NRate						30.7	68.8	84.3	68.3	41.5	84.8	68.3	32.5
NRate*Fungicide						14.4	23.5	40.9	21.2	86.2	14.3	59.4	12.1
PD						47.6	5.5	6.3	6.6	5.6	47.4	0.0	28.0
PD*Fungicide						44.0	51.5	35.2	70.5	36.7	19.9	67.7	40.6
PD*NRate						87.0	4.2	27.0	37.8	95.7	23.3	44.5	50.1
Rotation						33.3	7.0	1.6	1.3	90.1	0.1	52.0	73.3
Rotation*Fungicide						23.7	3.2	20.3	30.7	11.7	94.7	86.8	10.8
Rotation*Genotype						1.4	59.5	46.4	6.4	97.7	1.9	44.5	2.0
Rotation*NRate						11.4	89.5	37.1	67.7	30.6	71.4	22.8	17.1
Rotation*PD						34.2	54.4	60.5	95.8	59.4	58.9	52.8	32.4
Tillage						13.2	5.9	27.9	0.5	16.1	1.5	1.3	7.4
Tillage*Fungicide						48.0	12.6	100.0	61.7	57.7	87.5	88.4	81.0
Tillage*Genotype						38.3	16.9	23.4	49.8	29.3	7.3	70.3	26.9
Tillage*NRate						81.8	70.9	85.9	90.2	100.0	87.3	46.3	79.0
Tillage*PD						57.3	49.1	83.1	36.8	50.8	55.6	74.4	72.2
Tillage*Rotation						29.6	98.6	85.0	14.6	55.2	1.8	46.3	37.8
LSD(0.10)													
Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Genotype						NS	1.9	0.9	NS	2.4	2.7	883	NS
Genotype*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Genotype*NRate						NS	NS	NS	NS	NS	NS	NS	NS
Genotype*PD						NS	NS	NS	NS	3.4	NS	NS	48
NRate						NS	NS	NS	NS	NS	NS	NS	NS
NRate*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
PD						NS	1.9	0.9	NS	2.4	NS	883	34
PD*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
PD*NRate						NS	2.7	NS	NS	NS	NS	NS	NS
Rotation						NS	1.9	0.9	3.5	NS	2.7	NS	NS
Rotation*Fungicide						NS	2.7	NS	NS	NS	NS	NS	NS
Rotation*Genotype						14	NS	NS	5.0	NS	3.8	NS	48
Rotation*NRate						NS	NS	NS	NS	NS	NS	NS	NS
Rotation*PD						NS	NS	NS	NS	NS	NS	NS	NS
Tillage						NS	1.8	NS	3.4	NS	2.6	866	33
Tillage*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Tillage*Genotype						NS	NS	NS	NS	NS	3.8	NS	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	3.8	NS	NS

FIELD EXPERIMENT HISTORY

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

Experiment: 19Systems **Trial ID:** 6500 **Year:** 2020

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 /18/20
Manure:	N/A	N/A	N/A

Herbicide: Roundup Power Max @ 32 oz/A 6/15/20
Dual II Magnum @ 24 oz/A 4/24/20

Insecticide: N/A

Hybrid: 1) RR:DKC52-35
2) SS:Jung 56SS538RIB

Irrigation: None

Planting Date: C: 5/8/20

Planting Depth: 1.5"

Row Width: 30"

Target Plant Density: See Factors

Harvest Date: C: 10/29/20

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: P9998AMXT
2- SS:Jung 53SS517RIB

Results: Table 2019-02

Table: 2019-02 . Multi-factor effects on continuous corn.
Arlington, WI - 2020

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	211	30.7	52.3	2.3	1.7	0.6	36286	635
					UTC	210	30.9	51.9	3.2	3.2	0.0	35141	629
				Quatro		213	31.3	51.8	2.0	1.6	0.5	34401	638
				Quatro	Headline	215	30.6	52.3	2.8	1.9	0.9	34839	647
				Quatro	UTC	211	32.0	51.3	1.3	1.3	0.0	33964	630
				UTC		208	30.3	52.3	3.4	3.3	0.1	37026	627
				UTC	Headline	207	30.8	52.2	1.7	1.4	0.3	37734	624
				UTC	UTC	208	29.8	52.5	5.1	5.1	0.0	36318	629
			160			208	30.8	52.1	2.3	1.9	0.4	34714	627
			160		Headline	209	31.2	52.2	2.1	1.3	0.8	34859	628
			160		UTC	208	30.4	51.9	2.6	2.6	0.0	34568	626
			160	Quatro		211	31.2	51.6	2.1	1.3	0.8	32625	631
			160	UTC		206	30.3	52.5	2.6	2.6	0.0	36802	623
			210			212	30.8	52.1	3.1	2.9	0.2	36714	638
			210		Headline	213	30.2	52.3	2.4	2.0	0.4	37714	643
			210		UTC	211	31.4	51.8	3.7	3.8	0.0	35714	632
			210	Quatro		215	31.4	52.0	2.0	1.9	0.1	36177	645
			210	UTC		209	30.3	52.2	4.2	3.9	0.3	37250	630
		35000				210	30.9	52.3	1.6	1.2	0.4	32089	631
		35000			Headline	208	31.0	52.4	2.0	1.2	0.8	32359	625
		35000			UTC	212	30.9	52.3	1.1	1.1	0.0	31818	637
		35000		Quatro		214	30.5	52.7	2.0	1.1	0.8	32125	644
		35000		UTC		206	31.4	52.0	1.1	1.2	0.0	32052	618
		35000	160			206	31.3	51.9	1.6	0.8	0.8	31552	616
		35000	210			214	30.6	52.7	1.5	1.5	0.0	32625	646
		45000				210	30.6	51.9	3.9	3.7	0.2	39339	634
		45000			Headline	214	30.4	52.2	2.5	2.1	0.4	40214	646
		45000			UTC	207	30.9	51.5	5.2	5.2	0.0	38464	621
		45000		Quatro		212	32.1	51.0	2.1	2.0	0.1	36677	632
		45000		UTC		209	29.2	52.7	5.6	5.3	0.3	42000	635
		45000	160			211	30.3	52.2	3.1	3.1	0.0	37875	638
		45000	210			210	31.0	51.5	4.7	4.3	0.4	40802	629
	DKC52-35RIB					209	27.8	52.9	2.5	2.1	0.4	35901	641
	DKC52-35RIB				Headline	214	26.8	53.1	1.2	0.4	0.8	37359	659
	DKC52-35RIB				UTC	204	28.9	52.7	3.8	3.8	0.0	34443	622
	DKC52-35RIB			Quatro		209	29.2	52.4	1.7	0.8	0.8	34500	636
	DKC52-35RIB			UTC		208	26.5	53.4	3.4	3.4	0.0	37302	645
	DKC52-35RIB		160			210	27.3	52.9	1.6	0.8	0.8	35052	646
	DKC52-35RIB		210			208	28.4	52.9	3.4	3.4	0.0	36750	636
	DKC52-35RIB	35000				210	27.3	53.5	2.0	1.2	0.8	32677	647
	DKC52-35RIB	45000				208	28.4	52.3	3.0	3.0	0.0	39125	634

conitnue

Table: 1919-02 . 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 $3.54/bu
		plants/A	lbs/A			bu/A	%	lbs	%	%	%	plants/A	$
	Jung 56SS538RIB					212	33.7	51.3	2.9	2.7	0.2	35526	624
	Jung 56SS538RIB				Headline	208	34.6	51.5	3.3	2.9	0.4	35214	612
	Jung 56SS538RIB				UTC	215	32.9	51.0	2.5	2.6	0.0	35839	636
	Jung 56SS538RIB			Quatro		217	33.4	51.3	2.4	2.4	0.1	34302	640
	Jung 56SS538RIB			UTC		207	34.1	51.3	3.4	3.1	0.3	36750	608
	Jung 56SS538RIB		160			207	34.3	51.3	3.0	3.0	0.0	34375	609
	Jung 56SS538RIB		210			216	33.2	51.3	2.8	2.4	0.4	36677	640
	Jung 56SS538RIB	35000				210	34.6	51.1	1.1	1.1	0.0	31500	615
	Jung 56SS538RIB	45000				213	32.9	51.4	4.7	4.3	0.4	39552	634
CT						220	28.7	52.9	5.1	4.5	0.6	34724	672
CT					Headline	223	28.5	53.1	4.5	3.3	1.2	35573	682
CT					UTC	218	28.9	52.7	5.7	5.7	0.0	33875	661
CT				Quatro		221	29.2	52.4	3.6	2.7	0.9	32839	670
CT				UTC		220	28.2	53.5	6.5	6.3	0.3	36609	673
CT			160			218	28.5	53.2	4.7	3.9	0.8	33734	666
CT			210			223	28.9	52.7	5.5	5.1	0.4	35714	677
CT		35000				218	29.1	53.3	2.8	2.0	0.8	31359	662
CT		45000				223	28.3	52.6	7.4	7.0	0.4	38089	682
CT	DKC52-35RIB					213	26.0	54.0	5.1	4.3	0.8	34859	661
CT	Jung 56SS538RIB					228	31.4	51.9	5.1	4.7	0.4	34589	682
NT						200	32.9	51.2	0.3	0.4	0.0	36703	593
NT					Headline	198	32.9	51.4	0.0	0.0	0.0	37000	589
NT					UTC	202	32.8	51.1	0.7	0.7	0.0	36406	597
NT				Quatro		205	33.4	51.3	0.4	0.5	0.0	35964	606
NT				UTC		195	32.4	51.2	0.3	0.3	0.0	37443	580
NT			160			199	33.0	51.0	0.0	0.0	0.0	35693	588
NT			210			202	32.7	51.5	0.7	0.7	0.0	37714	598
NT		35000				202	32.7	51.4	0.4	0.3	0.0	32818	601
NT		45000				198	33.0	51.1	0.3	0.4	0.0	40589	586
NT	DKC52-35RIB					205	29.7	51.9	0.0	0.0	0.0	36943	620
NT	Jung 56SS538RIB					195	36.0	50.6	0.7	0.7	0.0	36464	566
Mean						210	30.8	52.1	2.7	2.4	0.3	35714	632
Probability(%)													
Fungicide						75.1	80.8	37.2	45.8	20.3	13.6	12.3	67.8
Genotype						56.6	0.0	0.1	75.7	61.9	60.6	61.1	29.1
Genotype*Fungicide						10.6	3.4	91.7	20.8	14.6	65.8	2.8	6.2
Genotype*Micro						33.6	5.1	25.6	76.7	45.3	19.6	81.4	20.0
Genotype*NRate						26.0	20.6	97.2	43.2	20.1	16.7	68.9	20.0
Genotype*PD						48.5	10.3	9.7	33.7	58.9	16.7	29.4	31.0
Micro						23.5	23.2	24.1	29.2	17.7	43.6	0.2	45.1
Micro*Fungicide						64.8	18.1	14.7	6.7	9.5	41.1	71.9	48.6
NRate						41.6	96.8	98.0	54.7	42.3	60.6	1.3	50.1
NRate*Fungicide						99.1	23.1	80.6	77.1	87.6	65.8	26.5	76.9
NRate*Micro						80.1	92.2	40.3	51.4	80.8	19.6	5.1	81.4

continue

Table: 2019-02 . 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 $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						93.8	71.3	28.9	7.9	4.8	60.6	0.0	86.4
PD*Fungicide						22.3	74.9	48.7	18.0	20.7	65.8	42.6	24.6
PD*Micro						67.3	4.0	1.3	10.1	19.2	19.6	0.2	36.8
PD*NRate						27.8	38.3	10.0	52.6	84.9	16.7	22.8	22.7
Tillage						0.0	0.0	0.1	0.1	0.2	13.6	1.2	0.0
Tillage*Fungicide						32.7	77.4	91.5	86.0	51.0	16.7	46.7	35.1
Tillage*Genotype						1.5	58.9	33.6	79.4	90.1	65.8	89.0	2.5
Tillage*Micro						32.4	98.4	20.8	24.4	13.9	41.1	14.0	37.5
Tillage*NRate						87.8	68.7	22.8	97.9	86.0	65.8	97.8	96.7
Tillage*PD						27.5	52.1	66.4	8.5	5.4	65.8	49.2	26.6
LSD(0.10)													
Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Genotype						NS	1.4	0.7	NS	NS	NS	NS	NS
Genotype*Fungicide						NS	2.0	NS	NS	NS	NS	1779	37
Genotype*Micro						NS	2.0	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	1258	NS
Micro*Fungicide						NS	NS	NS	3.1	2.9	NS	NS	NS
NRate						NS	NS	NS	NS	NS	NS	1258	NS
NRate*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
NRate*Micro						NS	NS	NS	NS	NS	NS	1791	NS
PD						NS	NS	NS	2.2	2.1	NS	1258	NS
PD*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
PD*Micro						NS	2.0	1.0	NS	NS	NS	1791	NS
PD*NRate						NS	NS	1.0	NS	NS	NS	NS	NS
Tillage						7	1.4	0.7	2.1	2.0	NS	1227	25
Tillage*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Tillage*Genotype						11	NS	NS	NS	NS	NS	NS	37
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	3.1	2.9	NS	NS	NS

*AGI: Adjusted Gross Income