

**FIELD EXPERIMENT HISTORY**

**Title:** Multi-factor effects for continuous and rotated corn  
**Experiment:** 19Systems **Trial ID:** 6169 **Year:** 2017  
**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:** 11/1 /16 **pH** 5.8 **OM (%)** 3.2 **P (ppm)** 23 **K (ppm)** 200

**Plot Management**

**Tillage Operations:** CT & NT Field cultivator

<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>	28-0-0	See factors	6 /15/17
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Medal II EC @ 24 oz/a 4/24/17  
Durango DMA @ 22 oz/a 4/24/17  
2,4-D Low vol 4 16 oz/a 4/24/17  
Durango DMA @ 28 oz/a 6/19/17  
Roundup WM @ 32 oz/A 6/27/17

**Insecticide:** N/A  
**Hybrid:** 1) RR: Golden Harvest G01P52-3011A  
2) SS:DKC54-38RIB  
3) Soybean: NK S15-P1 Brand

**Irrigation:** None  
**Planting Date:** C: 5/26/17 **Planting Depth:** 1.5"  
**Target Plant Density:** See Factors **Row Width:** 35"  
**Harvest Date:** 11/1/17 **Planting Method:** JD1700 w RTK  
**Notes:** **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:**

<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

  

<b>Rotation:</b>	<b>Plant Density:</b>	<b>Genotype:</b>
1) - CC	1-35000 Plants/A	1- Pioneer P0175 AMX (RR)
2) - CS	2-45000 Plants/A	2- Dekalb DKC50-82RIB (SS)

**Results: Table 1719-01**

**Table: 1719-01 . Multi-factor effects on continuous and rotated corn.  
Arlington, WI - 2017.**

Tillage Rotation	Genotype	Plant Density plants/A	N rate lbs/A	Fungicide	Grain yield bu/A	Grain moisture %	Test weight lbs	Lodged			Harvest density plants/A	*AGI \$3.44/bu \$
								Total %	Stalk %	Root %		
				Headline	209	26.5	55.5	0.4	0.3	0.1	29101	625
				UTC	206	26.8	55.7	0.7	0.6	0.1	29469	616
			160		204	26.5	55.5	0.5	0.3	0.2	30409	610
			160	Headline	208	26.6	55.2	0.4	0.2	0.2	30250	623
			160	UTC	200	26.4	55.7	0.6	0.4	0.2	30567	597
			210		211	26.7	55.7	0.7	0.7	0.0	28161	631
			210	Headline	209	26.3	55.8	0.5	0.5	0.0	27952	627
			210	UTC	213	27.1	55.7	0.8	0.8	0.0	28370	635
		35K			203	26.4	55.6	0.6	0.4	0.2	27187	607
		35K		Headline	205	26.3	55.6	0.2	0.0	0.2	27313	614
		35K		UTC	200	26.6	55.6	0.9	0.7	0.2	27062	599
		35K	160		200	26.5	55.3	0.3	-0.1	0.4	28380	597
		35K	210		206	26.4	55.9	0.8	0.8	0.0	25995	616
		45K			212	26.8	55.6	0.6	0.6	0.0	31382	634
		45K		Headline	213	26.7	55.4	0.7	0.7	0.0	30890	636
		45K		UTC	212	26.9	55.8	0.5	0.5	0.0	31875	633
		45K	160		208	26.5	55.7	0.7	0.7	0.0	32438	623
		45K	210		216	27.1	55.6	0.5	0.5	0.0	30327	645
	G01P52-3011A(RR)				203	25.6	55.7	0.1	0.0	0.1	29752	609
	G01P52-3011A(RR)			Headline	204	25.5	55.4	0.0	0.0	0.0	29375	613
	G01P52-3011A(RR)			UTC	201	25.7	55.9	0.2	0.1	0.2	30130	606
	G01P52-3011A(RR)		160		196	25.9	55.4	0.2	0.1	0.2	29567	589
	G01P52-3011A(RR)		210		209	25.4	56.0	0.0	0.0	0.0	29938	629
	G01P52-3011A(RR)	35K			199	24.5	55.9	0.1	-0.1	0.2	28130	604
	G01P52-3011A(RR)	45K			206	26.8	55.5	0.1	0.1	0.0	31375	614
	DKC54-38RIB(SS)				212	27.6	55.5	1.0	0.9	0.1	28817	631
	DKC54-38RIB(SS)			Headline	214	27.4	55.6	0.9	0.7	0.2	28827	637
	DKC54-38RIB(SS)			UTC	211	27.8	55.4	1.2	1.2	0.0	28808	626
	DKC54-38RIB(SS)		160		212	27.1	55.5	0.7	0.5	0.2	31250	631
	DKC54-38RIB(SS)		210		213	28.1	55.5	1.3	1.3	0.0	26385	632
	DKC54-38RIB(SS)	35K			206	28.4	55.3	1.1	0.8	0.2	26245	609
	DKC54-38RIB(SS)	45K			219	26.8	55.7	1.0	1.0	0.0	31390	654
CC					208	26.6	55.6	0.5	0.5	0.0	29377	624
CC				Headline	208	26.3	55.5	0.2	0.2	0.0	28438	623
CC				UTC	209	26.8	55.6	0.9	0.9	0.0	30317	625
CC			160		209	26.3	55.4	0.4	0.4	0.0	30692	626
CC			210		208	26.8	55.7	0.7	0.7	0.0	28063	621
CC		35K			203	26.4	55.5	0.6	0.6	0.0	25692	608
CC		45K			214	26.8	55.6	0.5	0.5	0.0	33063	639
CC	G01P52-3011A(RR)				203	25.4	55.7	0.0	0.1	0.0	29817	613
CC	DKC54-38RIB(SS)				214	27.7	55.5	1.0	1.0	0.0	28938	635

continue

**Table: 1719-01 . Multi-factor effects on continuous and rotated corn.**(continued) **Arlington, WI - 2017.**

Tillage Rotation	Genotype	Plant Density plants/A	N rate lbs/A	Fungicide	Grain yield bu/A	Grain moisture %	Test weight lbs	Lodged			Harvest density plants/A	*AGI \$3.44/bu \$
								Total	Stalk	Root		
	CS				207	26.6	55.6	0.6	0.4	0.2	29192	617
	CS			Headline	210	26.6	55.5	0.7	0.5	0.2	29765	627
	CS			UTC	203	26.7	55.7	0.6	0.3	0.2	28620	607
	CS		160		199	26.6	55.5	0.6	0.2	0.4	30125	594
	CS		210		214	26.6	55.8	0.7	0.7	0.0	28260	640
	CS	35K			202	26.5	55.7	0.6	0.2	0.4	28683	605
	CS	45K			211	26.8	55.6	0.7	0.7	0.0	29702	630
	CS	G01P52-3011A(RR)			202	25.8	55.7	0.2	0.0	0.2	29688	606
	CS	DKC54-38RIB(SS)			211	27.4	55.6	1.1	0.8	0.2	28697	628
CT					223	25.4	55.9	0.9	0.8	0.1	32923	673
CT				Headline	224	25.5	55.6	0.6	0.6	0.0	33146	674
CT				UTC	223	25.2	56.2	1.3	1.1	0.2	32699	673
CT			160		218	25.2	55.8	0.6	0.4	0.2	33641	657
CT			210		229	25.5	56.0	1.3	1.2	0.0	32204	689
CT		35K			219	25.4	55.9	1.0	0.8	0.2	29824	660
CT		45K			228	25.3	55.9	0.9	0.9	0.0	36021	687
CT		G01P52-3011A(RR)			214	24.7	56.0	0.3	0.1	0.2	33391	647
CT		DKC54-38RIB(SS)			233	26.1	55.8	1.6	1.6	0.0	32454	699
CT	CC				227	25.0	55.9	0.9	0.9	0.0	34079	686
CT	CS				220	25.7	55.9	1.0	0.7	0.2	31767	661
NT					192	27.9	55.3	0.2	0.1	0.1	25647	568
NT				Headline	194	27.5	55.4	0.3	0.1	0.2	25056	576
NT				UTC	189	28.3	55.2	0.1	0.1	0.0	26238	559
NT			160		190	27.8	55.1	0.4	0.1	0.2	27176	563
NT			210		193	28.0	55.5	0.1	0.1	0.0	24118	572
NT		35K			186	27.5	55.3	0.2	0.0	0.2	24551	553
NT		45K			197	28.3	55.3	0.2	0.3	0.0	26743	582
NT		G01P52-3011A(RR)			191	26.6	55.3	0.0	0.0	0.0	26113	571
NT		DKC54-38RIB(SS)			192	29.1	55.2	0.5	0.3	0.2	25181	564
NT	CC				190	28.2	55.2	0.1	0.1	0.0	24676	562
NT	CS				193	27.5	55.4	0.3	0.1	0.2	26618	573
Mean					208	26.6	55.6	0.6	0.5	0.1	29285	620

continue

**Table: 1719-01 . Multi-factor effects on continuous and rotated corn.**(continued) **Arlington, WI - 2017.**

Tillage Rotation	Genotype	Plant Density plants/A	N rate lbs/A	Fungicide	Grain yield bu/A	Grain moisture %	Test weight lbs	Lodged			Harvest density plants/A	*AGI \$3.44/bu \$
								Total	Stalk	Root		
Mean					227	19.5	54.9	1.2	1.2	0.0	37411	710
<b>Probability(%)</b>												
Fungicide					61.4	61.0	44.3	57.3	50.6	87.8	79.1	57.1
Genotype					6.0	0.1	46.4	5.4	4.2	86.6	50.0	17.4
Genotype*Fungicide					92.9	90.0	18.0	96.7	59.4	16.2	78.2	89.5
Genotype*NRate					31.2	18.1	30.4	38.1	32.1	90.6	6.7	23.3
Genotype*PD					54.0	0.1	6.7	91.4	94.3	89.4	49.9	28.3
NRate					17.6	64.8	25.2	71.2	37.9	16.6	10.8	21.1
NRate*Fungicide					24.1	37.6	33.4	86.9	89.4	89.4	97.1	29.5
PD					7.2	54.9	91.5	98.2	64.4	16.3	0.4	9.3
PD*Fungicide					69.6	88.5	39.5	35.1	29.3	90.6	66.0	70.4
PD*NRate					84.3	51.8	14.3	48.4	21.5	16.2	92.2	93.7
Rotation					71.6	91.8	78.4	80.0	77.5	10.8	89.4	69.2
Rotation*Fungicide					45.5	69.1	91.9	35.3	30.9	97.9	28.3	49.9
Rotation*Genotype					91.1	54.6	93.0	88.3	87.6	99.0	96.9	99.8
Rotation*NRate					12.0	66.7	95.0	78.8	80.7	12.4	78.5	12.1
Rotation*PD					81.5	85.7	57.5	89.7	49.5	12.0	2.7	85.6
Tillage					0.0	0.0	0.9	12.1	9.0	96.6	0.0	0.0
Tillage*Fungicide					70.9	35.7	16.3	36.2	58.3	20.1	55.7	62.2
Tillage*Genotype					8.0	34.4	85.3	38.6	17.0	20.5	99.9	7.1
Tillage*NRate					44.7	94.9	63.8	31.3	31.9	77.2	55.8	47.0
Tillage*PD					83.8	41.1	97.2	90.1	81.9	78.4	15.3	96.4
Tillage*Rotation					33.4	22.0	63.8	92.2	86.6	85.6	12.8	26.4
<b>LSD(0.10)</b>												
Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
Genotype					9	0.9	NS	0.8	0.7	NS	NS	NS
Genotype*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
Genotype*NRate					NS	NS	NS	NS	NS	NS	3276	NS
Genotype*PD					NS	1.3	1	NS	NS	NS	NS	NS
NRate					NS	NS	NS	NS	NS	NS	NS	NS
NRate*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
PD					9	NS	NS	NS	NS	NS	2313	27
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	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	NS	NS	NS	NS	NS	3276	NS
Tillage					9	0.9	0	NS	1	NS	2260	26
Tillage*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
Tillage*Genotype					12	NS	NS	NS	NS	NS	NS	38
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:** 6170 **Year:** 2017  
**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:** 11/1 /16 **pH** 5.8 **OM (%)** 3.2 **P (ppm)** 23 **K (ppm)** 200

**Plot Management**

**Tillage Operations:** CT & NT Field cultivator

<b>Fertilizer:</b>	<b><u>Analysis:</u></b>	<b><u>Rate lbs/A:</u></b>	<b><u>Date:</u></b>
<b>Preplant :</b>	N/A	N/A	N/A
<b>Starter :</b>	N/A	N/A	N/A
<b>Post plant :</b>	28-0-0	See factors	6 /15/17
<b>Manure:</b>	N/A	N/A	N/A

**Herbicide:** Medal II EC @ 24 oz/a 4/24/17  
Durango DMA @ 22 oz/a 4/24/17  
2,4-D Low vol 4 16 oz/a 4/24/17  
Durango DMA @ 28 oz/a 6/19/17  
Roundup WM @ 32 oz/A 6/27/17

**Insecticide:** N/A  
**Hybrid:** 1) RR: Golden Harvest G01P52-3011A  
2) SS:DKC54-38RIB

**Irrigation:** None  
**Planting Date:** C: 5/26/17 **Planting Depth:** 1.5"  
**Target Plant Density:** See Factors **Row Width:** 35"  
**Harvest Date:** 11/1/17 **Planting Method:** JD1700 w RTK  
**Notes:** **Harvest Method:** MF 8XP combine

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

  

<b><u>Micro Nutrients:</u></b>	<b><u>Plant Density:</u></b>	<b><u>Genotype:</u></b>
1) - UTC	1-35000 Plants/A	1- Pioneer P0175 AMX (RR)
2) - Smart trio	2-45000 Plants/A	2- Dekalb DKC50-82RIB (SS)

**Results: Table 1719-02**

**Table: 1719-02 . Multi-factor effects on continuous corn.  
Arlington, WI - 2017**

Tillage	Genotype	Plant Density plants/A	N rate lbs/A	Micro Mix	Fungicide	Headline UTC	Grain yield bu/A	Grain moisture %	Test weight lbs	Lodged			Harvest density plants/A	AGI \$3.44/bu \$
										Total %	Stalk %	Root %		
						Headline	197	27.1	55.3	0.8	0.8	0.0	28724	588
						UTC	201	27.4	54.6	1.7	1.5	0.2	30161	596
						Smart Trio	204	27.5	54.7	0.7	0.4	0.2	30255	605
						Smart Trio Headline	204	27.2	55.5	0.2	0.2	0.0	29141	609
						Smart Trio UTC	203	27.9	53.9	1.1	0.7	0.4	31370	601
						UTC	194	26.9	55.3	1.9	1.9	0.0	28630	579
						UTC Headline	190	26.9	55.2	1.4	1.4	0.0	28307	567
						UTC UTC	198	26.9	55.3	2.3	2.3	0.0	28953	592
		160					195	27.5	54.9	1.1	0.9	0.2	31005	580
		160				Headline	194	27.8	55.0	0.8	0.8	0.0	31057	576
		160				UTC	196	27.1	54.8	1.4	0.9	0.4	30953	583
		160	Smart Trio				200	27.5	54.4	0.8	0.4	0.4	31750	593
		160	UTC				190	27.4	55.3	1.4	1.3	0.0	30260	566
		210					203	27.0	55.1	1.5	1.4	0.0	27880	605
		210				Headline	200	26.4	55.7	0.8	0.8	0.0	26391	600
		210				UTC	206	27.6	54.5	2.1	2.1	0.0	29370	610
		210	Smart Trio				208	27.6	55.0	0.5	0.5	0.0	28760	617
		210	UTC				198	26.4	55.3	2.4	2.4	0.0	27000	593
		35K					200	27.3	55.2	1.4	1.4	0.0	27255	595
		35K				Headline	197	27.3	55.7	1.1	1.1	0.0	27057	586
		35K				UTC	203	27.3	54.8	1.7	1.6	0.0	27453	604
		35K	Smart Trio				206	27.1	55.3	0.0	0.0	0.0	28000	616
		35K	UTC				193	27.5	55.2	2.8	2.8	0.0	26510	573
		35K	160				194	28.1	55.3	0.7	0.7	0.0	28385	573
		35K	210				206	26.5	55.1	2.1	2.1	0.0	26125	616
		45K					198	27.1	54.7	1.2	0.9	0.2	31630	590
		45K				Headline	198	26.8	55.0	0.5	0.5	0.0	30391	591
		45K				UTC	198	27.5	54.5	1.8	1.4	0.4	32870	589
		45K	Smart Trio				201	28.0	54.1	1.3	0.9	0.5	32510	594
		45K	UTC				196	26.3	55.4	1.0	1.0	0.0	30750	586
		45K	160				196	26.8	54.4	1.5	1.1	0.4	33625	586
		45K	210				200	27.5	55.1	0.8	0.8	0.0	29635	594
	G01P52-3011A(RR)						190	26.8	54.7	0.8	0.6	0.2	28880	566
	G01P52-3011A(RR)					Headline	189	26.8	55.2	0.0	0.0	0.0	29307	566
	G01P52-3011A(RR)					UTC	190	26.8	54.2	1.6	1.2	0.4	28453	567
	G01P52-3011A(RR)					Smart Trio	192	27.8	54.2	0.8	0.4	0.4	30000	569
	G01P52-3011A(RR)					UTC	188	25.8	55.2	0.8	0.8	0.0	27760	564
	G01P52-3011A(RR)		160				186	27.0	54.7	0.7	0.3	0.5	30760	554
	G01P52-3011A(RR)		210				193	26.5	54.7	0.9	0.9	0.0	27000	579
	G01P52-3011A(RR)	35K					194	26.3	55.2	0.8	0.8	0.0	27010	581
	G01P52-3011A(RR)	45K					185	27.3	54.2	0.8	0.4	0.4	30750	552

continue

**Table: 1719-02 . Multi-factor effects on continuous corn.**

(continued)

**Arlington, WI - 2017**

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		
	DKC54-38RIB(SS)					208	27.7	55.3	1.7	1.7	0.0	30005	618
	DKC54-38RIB(SS)				Headline	205	27.4	55.5	1.6	1.6	0.0	28141	610
	DKC54-38RIB(SS)				UTC	212	28.0	55.0	1.9	1.8	0.0	31870	626
	DKC54-38RIB(SS)			Smart Trio		215	27.3	55.2	0.5	0.5	0.0	30510	641
	DKC54-38RIB(SS)			UTC		201	28.1	55.3	2.9	2.9	0.0	29500	595
	DKC54-38RIB(SS)		160			204	27.9	55.0	1.4	1.4	0.0	31250	605
	DKC54-38RIB(SS)		210			212	27.5	55.5	2.0	2.0	0.0	28760	631
	DKC54-38RIB(SS)	35K				206	28.4	55.2	1.9	1.9	0.0	27500	609
	DKC54-38RIB(SS)	45K				211	27.0	55.3	1.5	1.5	0.0	32510	628
CT						210	25.4	55.2	1.6	1.4	0.2	33286	631
CT					Headline	212	24.8	55.6	0.9	0.9	0.0	34323	641
CT					UTC	207	26.0	54.8	2.3	1.8	0.4	32250	621
CT				Smart Trio		218	25.9	54.9	0.9	0.5	0.4	32641	654
CT				UTC		201	25.0	55.6	2.3	2.2	0.0	33932	608
CT			160			206	25.0	55.4	1.9	1.5	0.4	33057	621
CT			210			214	25.9	55.1	1.3	1.3	0.0	33516	641
CT		35K				214	25.4	55.6	1.3	1.3	0.0	30557	645
CT		45K				205	25.4	54.9	1.9	1.5	0.4	36016	618
CT	G01P52-3011A(RR)					200	25.1	54.8	0.5	0.0	0.4	31182	604
CT	DKC54-38RIB(SS)					219	25.8	55.6	2.7	2.7	0.0	35391	659
NT						188	29.0	54.7	1.0	0.9	0.0	25599	553
NT					Headline	182	29.3	55.1	0.7	0.7	0.0	23125	535
NT					UTC	194	28.8	54.4	1.2	1.2	0.0	28073	572
NT				Smart Trio		189	29.2	54.5	0.4	0.4	0.0	27870	556
NT				UTC		187	28.9	55.0	1.5	1.5	0.0	23328	551
NT			160			184	29.9	54.3	0.3	0.2	0.0	28953	538
NT			210			192	28.1	55.1	1.6	1.6	0.0	22245	569
NT		35K				185	29.2	54.9	1.5	1.5	0.0	23953	544
NT		45K				191	28.8	54.6	0.4	0.4	0.0	27245	562
NT	G01P52-3011A(RR)					179	28.5	54.6	1.2	1.2	0.0	26578	529
NT	DKC54-38RIB(SS)					197	29.6	54.9	0.7	0.7	0.0	24620	578
Mean						199	27.2	55.0	1.3	1.1	0.1	29443	592

continue

**Table: 1719-02 . Multi-factor effects on continuous corn.**  
(continued) **Arlington, WI - 2017**

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						199	27.2	55.0	1.3	1.1	0.1	29443	592
<b><u>Probability(%)</u></b>													
Fungicide						44.0	74.0	9.2	4.5	15.0	16.5	43.6	55.5
Genotype						0.0	33.3	18.8	5.9	3.5	17.5	55.1	0.2
Genotype*Fungicide						49.0	74.4	53.3	15.9	38.0	18.5	24.2	59.6
Genotype*Micro						27.5	17.6	30.0	1.7	5.7	26.6	74.9	17.2
Genotype*NRate						94.1	92.9	48.8	71.0	87.2	12.5	74.1	94.1
Genotype*PD						15.9	25.1	20.7	63.2	93.7	26.6	74.1	10.8
Micro						5.1	51.7	16.2	1.3	0.9	17.5	39.1	8.3
Micro*Fungicide						31.1	73.4	6.0	99.8	66.7	18.5	68.1	27.8
NRate						8.6	62.4	57.7	40.4	23.8	17.5	10.8	8.5
NRate*Fungicide						66.2	32.6	23.6	42.5	25.5	18.5	42.6	89.8
NRate*Micro						98.9	59.2	48.8	16.5	35.4	26.6	94.4	88.2
PD						70.3	86.1	24.1	59.3	36.0	17.5	2.9	73.1
PD*Fungicide						52.7	70.5	74.1	40.5	73.8	18.5	58.9	50.4
PD*Micro						36.1	27.8	13.3	0.2	1.5	12.5	94.4	25.0
PD*NRate						37.6	24.2	32.7	3.3	10.1	26.6	65.3	24.2
Tillage						0.0	0.1	23.0	14.9	37.3	16.5	0.0	0.0
Tillage*Fungicide						8.5	38.0	84.6	37.3	64.5	26.6	8.0	6.3
Tillage*Genotype						87.8	84.2	55.9	0.7	0.5	18.5	12.1	82.7
Tillage*Micro						11.8	74.4	71.9	80.4	51.5	18.5	14.1	16.6
Tillage*NRate						99.7	18.3	20.2	3.8	12.7	18.5	7.5	72.3
Tillage*PD						12.4	83.2	55.3	7.4	21.4	18.5	57.4	13.0
<b><u>LSD(0.10)</u></b>													
Fungicide						NS	NS	0.7	0.7	NS	NS	NS	NS
Genotype						8	NS	NS	0.8	0.8	NS	NS	24
Genotype*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Genotype*Micro						NS	NS	NS	1.1	1.2	NS	NS	NS
Genotype*NRate						NS	NS	NS	NS	NS	NS	NS	NS
Genotype*PD						NS	NS	NS	NS	NS	NS	NS	NS
Micro						8	NS	NS	0.8	0.8	NS	NS	24
Micro*Fungicide						NS	NS	1.0	NS	NS	NS	NS	NS
NRate						8	NS	NS	NS	NS	NS	NS	24
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	3208	NS
PD*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
PD*Micro						NS	NS	NS	1.1	1.2	NS	NS	NS
PD*NRate						NS	NS	NS	1.1	NS	NS	NS	NS
Tillage						7	1.6	NS	NS	NS	NS	3131	24
Tillage*Fungicide						11	NS	NS	NS	NS	NS	4493	34
Tillage*Genotype						NS	NS	NS	1.1	1.2	NS	NS	NS
Tillage*Micro						NS	NS	NS	NS	NS	NS	NS	NS
Tillage*NRate						NS	NS	NS	1.1	NS	NS	4537	NS
Tillage*PD						NS	NS	NS	1.1	NS	NS	NS	NS