

FIELD EXPERIMENT HISTORY

Title: Multi-factor effects on continuous and rotated corn
Experiment: 19Systems **Trial ID:** 6056 **Year:** 2016
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 /14 **pH** 5.8 **OM (%)** 3.2 **P (ppm)** 23 **K (ppm)** 200

Plot Management

Tillage Operations: CT & NT Soil Finisher

Fertilizer:	Analysis:	Rate lbs/A:	Date:
Preplant :	N/A	N/A	4 /19/16
Starter :	N/A	N/A	N/A
Post plant :	28-0-0	See factors	6 /8 /16
Manure:	N/A	N/A	N/A

Herbicide: Medal II EC @ 24 oz/a 4/29/16
Durango DMA @ 22 oz/a 4/29/16
Low vol 4 16 oz/a 4/29/16
Durango DMA @ 22 oz/a 6/18/16
Insecticide: N/A
Hybrid: 1) RR: Pioneer P0175 AMX
2) SS: Dekalb DKC50-82

Irrigation: None

Planting Date: C: 5/18/16

Planting Depth: 1.5"

Target Plant Density: See Factors

Row Width: 35"

Harvest Date: C: 10/27/15

Planting Method: JD1700 w RTK

Notes: S: 10/19/15

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:

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

Results: Table 1519-01

**Table: 1619-01 . Multi-factor effects on continuous and rotated corn.
Arlington, WI - 2016.**

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	\$
					Headline	228	19.6	54.9	1.1	1.1	0.0	37558	714
					UTC	227	19.5	55.0	1.3	1.2	0.1	37265	712
				160		227	19.3	55.2	0.9	0.9	0.0	37796	711
				160	Headline	227	19.4	55.0	0.6	0.6	0.0	37938	711
				160	UTC	227	19.2	55.3	1.1	1.1	0.0	37654	712
				210		229	19.8	54.7	1.6	1.5	0.1	37027	715
				210	Headline	230	19.8	54.8	1.6	1.6	0.0	37178	718
				210	UTC	228	19.7	54.7	1.5	1.3	0.2	36875	712
			35K			223	19.4	55.3	0.5	0.5	0.0	33171	698
			35K		Headline	224	19.3	55.3	0.6	0.6	0.0	33500	703
			35K		UTC	222	19.6	55.2	0.4	0.4	0.0	32842	693
			35K	160		223	19.2	55.3	0.2	0.2	0.0	33592	698
			35K	210		223	19.7	55.2	0.8	0.8	0.0	32750	698
			45K			233	19.6	54.6	1.9	1.8	0.1	41652	728
			45K		Headline	233	20.0	54.5	1.7	1.7	0.0	41616	726
			45K		UTC	233	19.3	54.8	2.1	2.0	0.2	41688	730
			45K	160		231	19.4	55.0	1.5	1.5	0.0	42000	724
			45K	210		234	19.9	54.3	2.3	2.2	0.2	41303	732
		P0175AMX(RR)				234	20.4	55.2	1.8	1.7	0.1	36202	727
		P0175AMX(RR)			Headline	232	20.6	54.7	1.6	1.6	0.0	36500	721
		P0175AMX(RR)			UTC	235	20.3	55.6	2.0	1.8	0.2	35904	732
		P0175AMX(RR)		160		232	20.4	55.6	1.0	1.0	0.0	36467	722
		P0175AMX(RR)		210		235	20.5	54.7	2.5	2.3	0.2	35938	731
		P0175AMX(RR)		35K		230	19.9	55.5	0.8	0.8	0.0	32592	718
		P0175AMX(RR)		45K		237	21.0	54.9	2.7	2.5	0.2	39813	736
		DKC50-82(SS)				222	18.7	54.7	0.7	0.7	0.0	38620	699
		DKC50-82(SS)			Headline	225	18.7	55.0	0.7	0.7	0.0	38616	707
		DKC50-82(SS)			UTC	220	18.7	54.4	0.6	0.6	0.0	38625	691
		DKC50-82(SS)		160		222	18.3	54.7	0.7	0.7	0.0	39125	700
		DKC50-82(SS)		210		222	19.0	54.7	0.6	0.6	0.0	38116	699
		DKC50-82(SS)		35K		216	19.0	55.0	0.2	0.2	0.0	33750	679
		DKC50-82(SS)		45K		228	18.3	54.4	1.2	1.2	0.0	43491	720
		CC				213	19.8	54.9	1.3	1.3	0.1	36796	667
		CC			Headline	213	19.8	54.8	1.0	1.0	0.0	37250	667
		CC			UTC	213	19.8	54.9	1.7	1.5	0.2	36342	666
		CC		160		212	19.5	54.6	0.7	0.7	0.0	37092	664
		CC		210		215	20.2	55.2	2.0	1.8	0.2	36500	669
		CC		35K		210	19.8	55.3	0.4	0.5	0.0	32717	656
		CC		45K		217	19.8	54.5	2.2	2.1	0.2	40875	677
		CC		P0175AMX(RR)		218	20.7	55.3	2.0	1.9	0.2	35654	677
		CC		DKC50-82(SS)		209	19.0	54.4	0.7	0.7	0.0	37938	656

continue

Table: 1619-01 . Multi-factor effects on continuous and rotated corn.(continued) **Arlington, WI - 2016.**

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				242	19.3	55.0	1.1	1.1	0.0	38027	760
	CS			Headline	244	19.5	54.9	1.3	1.3	0.0	37866	762
	CS			UTC	241	19.1	55.1	0.9	0.9	0.0	38188	757
	CS		160		242	19.2	55.7	1.1	1.1	0.0	38500	758
	CS		210		243	19.3	54.3	1.1	1.1	0.0	37553	761
	CS	35K			236	19.1	55.2	0.6	0.6	0.0	33625	740
	CS	45K			249	19.4	54.8	1.6	1.6	0.0	42428	779
	CS	P0175AMX(RR)			249	20.2	55.0	1.5	1.5	0.0	36750	776
	CS	DKC50-82(SS)			236	18.3	55.0	0.7	0.7	0.0	39303	743
CT					238	19.2	55.1	1.5	1.5	0.0	37495	746
CT				Headline	237	19.5	54.7	1.5	1.5	0.0	37398	741
CT				UTC	239	18.8	55.4	1.5	1.5	0.0	37591	752
CT			160		240	19.0	55.2	1.4	1.4	0.0	37966	753
CT			210		236	19.4	55.0	1.5	1.5	0.0	37023	739
CT		35K			229	19.2	55.2	0.8	0.8	0.0	33278	718
CT		45K			247	19.1	54.9	2.1	2.1	0.0	41711	774
CT		P0175AMX(RR)			241	20.2	55.6	2.0	2.0	0.0	36153	752
CT		DKC50-82(SS)			235	18.2	54.5	0.9	0.9	0.0	38836	741
CT	CC				227	19.4	54.9	1.5	1.5	0.0	37216	712
CT	CS				249	19.0	55.2	1.4	1.4	0.0	37773	781
NT					218	19.9	54.8	1.0	0.9	0.1	37328	680
NT				Headline	220	19.7	55.0	0.8	0.8	0.0	37717	688
NT				UTC	215	20.1	54.6	1.1	1.0	0.1	36938	671
NT			160		214	19.6	55.1	0.3	0.3	0.0	37626	669
NT			210		222	20.1	54.5	1.6	1.4	0.2	37030	691
NT		35K			217	19.7	55.3	0.2	0.2	0.0	33063	678
NT		45K			219	20.1	54.3	1.7	1.6	0.2	41592	682
NT		P0175AMX(RR)			226	20.7	54.7	1.5	1.3	0.1	36251	702
NT		DKC50-82(SS)			210	19.1	54.9	0.4	0.4	0.0	38405	658
NT	CC				200	20.3	54.8	1.2	1.0	0.1	36376	621
NT	CS				236	19.5	54.8	0.7	0.7	0.0	38280	738
Mean					228	19.5	54.9	1.2	1.2	0.0	37411	713

continue

Table: 1619-01 . Multi-factor effects on continuous and rotated corn.(continued) **Arlington, WI - 2016.**

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	\$
Mean					227	19.5	54.9	1.2	1.2	0.0	37411	710
<u>Probability(%)</u>												
Fungicide					73.2	53.5	72.4	74.6	87.2	30.1	61.7	79.1
Genotype					0.1	0.0	25.7	1.9	3.0	30.1	0.0	1.3
Genotype*Fungicide					24.9	55.4	6.7	57.2	70.5	24.5	61.0	21.9
Genotype*NRate					71.2	24.2	23.9	9.4	13.3	29.5	68.6	61.7
Genotype*PD					48.3	0.4	96.7	31.0	39.8	29.5	3.8	29.4
NRate					59.1	14.3	28.7	13.5	19.4	22.9	19.3	71.3
NRate*Fungicide					69.7	90.5	53.0	45.9	37.3	29.5	98.7	70.9
PD					0.5	49.9	11.7	0.2	0.4	22.9	0.0	0.7
PD*Fungicide					68.2	10.6	58.5	55.4	67.2	29.5	53.9	55.2
PD*NRate					68.8	96.4	57.0	72.1	86.3	24.5	90.3	69.0
Rotation					0.0	5.2	69.9	57.4	69.2	30.1	4.0	0.0
Rotation*Fungicide					73.9	44.2	92.7	26.2	35.1	24.5	30.2	82.2
Rotation*Genotype					52.7	75.9	28.8	50.4	63.0	24.5	82.0	59.5
Rotation*NRate					79.2	28.9	1.1	18.8	25.3	29.5	76.5	88.5
Rotation*PD					33.5	57.5	68.5	43.5	54.1	29.5	58.7	37.7
Tillage					0.0	1.3	50.2	24.1	18.9	31.0	77.2	0.0
Tillage*Fungicide					26.6	6.6	14.4	71.2	83.7	30.1	40.9	18.7
Tillage*Genotype					15.3	49.2	9.6	95.0	82.4	30.1	65.2	12.8
Tillage*NRate					9.3	74.8	62.2	16.5	23.4	22.9	76.8	9.9
Tillage*PD					2.3	30.4	36.3	79.8	94.7	22.9	93.5	1.9
Tillage*Rotation					3.1	46.2	62.9	66.9	79.2	30.1	25.4	2.9
<u>LSD(0.10)</u>												
Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
Genotype					6	0.5	NS	0.7	0.8	NS	977	18
Genotype*Fungicide					NS	NS	0.9	NS	NS	NS	NS	NS
Genotype*NRate					NS	NS	NS	1.1	NS	NS	NS	NS
Genotype*PD					NS	0.7	NS	NS	NS	NS	1387	NS
NRate					NS	NS	NS	NS	NS	NS	NS	NS
NRate*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
PD					6	NS	NS	0.7	0.8	NS	977	18
PD*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
PD*NRate					NS	NS	NS	NS	NS	NS	NS	NS
Rotation					6	0.5	NS	NS	NS	NS	977	18
Rotation*Fungicide					NS	NS	NS	NS	NS	NS	NS	NS
Rotation*Genotype					NS	NS	NS	NS	NS	NS	NS	NS
Rotation*NRate					NS	NS	0.9	NS	NS	NS	NS	NS
Rotation*PD					NS	NS	NS	NS	NS	NS	NS	NS
Tillage					6	0.5	NS	NS	NS	NS	NS	18
Tillage*Fungicide					NS	0.7	NS	NS	NS	NS	NS	NS
Tillage*Genotype					NS	NS	0.9	NS	NS	NS	NS	NS
Tillage*NRate					8	NS	NS	NS	NS	NS	NS	25
Tillage*PD					8	NS	NS	NS	NS	NS	NS	25
Tillage*Rotation					8	NS	NS	NS	NS	NS	NS	25

*AGI: Adjusted Gross Income

FIELD EXPERIMENT HISTORY

Title: Multi-factor effects on continuous corn
Experiment: 19Systems **Trial ID:** 6058 **Year:** 2016
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 Soil finisher

Fertilizer:	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
Preplant :	0-0-60	100 lb/A	4 /19/16
Starter :	N/A	N/A	N/A
Post plant :	28-0-0	See factors	6 /8 /16
Manure:	N/A	N/A	N/A

Herbicide: Medal II EC @ 24 oz/a 4/29/16
 Durango DMA @ 22 oz/a 4/29/16
 Low vol 4 16 oz/a 4/29/16
 Durango DMA @ 22 oz/a 6/18/16

Insecticide: N/A
Hybrid: 1) RR: Pioneer P0175 AMX
 2) SS: Dekalb DKC50-82

Irrigation: None

Planting Date: C: 5/18/16

Planting Depth: 1.5"

Target Plant Density: See Factors

Row Width: 35"

Harvest Date: 10/25/16

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

<u>Micro Nutrients:</u>	<u>Plant Density:</u>	<u>Genotype:</u>
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 1519-02

**Table: 1619-02 . Multi-factor effects on continuous corn.
Arlington, WI - 2016**

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	214	19.4	54.4	0.5	0.5	0.0	37234	670
					UTC	211	19.2	54.0	0.7	0.7	0.0	36630	661
					Smart Trio	212	19.4	53.9	1.0	1.0	0.0	37073	666
					Smart Trio Headline	214	19.4	54.1	0.7	0.7	0.0	36875	671
					Smart Trio UTC	211	19.3	53.7	1.3	1.3	0.0	37271	660
					UTC	212	19.3	54.5	0.2	0.2	0.0	36792	665
					UTC Headline	214	19.5	54.6	0.4	0.4	0.0	37594	669
					UTC UTC	211	19.1	54.3	0.0	0.0	0.0	35990	662
		160				211	19.3	54.6	0.6	0.6	0.0	36167	662
		160			Headline	210	19.5	54.8	0.4	0.4	0.0	36219	657
		160			UTC	212	19.0	54.4	0.8	0.8	0.0	36115	667
		160			Smart Trio	211	19.3	54.4	0.8	0.8	0.0	36875	662
		160			UTC	211	19.3	54.7	0.4	0.4	0.0	35458	662
		210				214	19.4	53.8	0.6	0.6	0.0	37698	669
		210			Headline	218	19.3	54.0	0.7	0.7	0.0	38250	682
		210			UTC	210	19.5	53.6	0.5	0.5	0.0	37146	656
		210			Smart Trio	214	19.5	53.4	1.2	1.2	0.0	37271	669
		210			UTC	214	19.3	54.2	0.0	0.0	0.0	38125	669
		35K				211	19.2	54.3	0.8	0.8	0.0	33479	663
		35K			Headline	212	19.3	54.6	0.8	0.8	0.0	34094	665
		35K			UTC	210	19.2	54.1	0.9	0.9	0.0	32865	660
		35K			Smart Trio	209	19.1	54.0	1.5	1.5	0.0	33250	655
		35K			UTC	214	19.4	54.6	0.1	0.1	0.0	33708	671
		35K	160			209	19.3	54.5	0.9	0.9	0.0	33083	656
		35K	210			213	19.2	54.1	0.7	0.7	0.0	33875	670
		45K				213	19.4	54.1	0.4	0.4	0.0	40385	669
		45K			Headline	215	19.5	54.2	0.3	0.3	0.0	40375	674
		45K			UTC	211	19.3	53.9	0.5	0.5	0.0	40396	663
		45K			Smart Trio	216	19.6	53.8	0.5	0.5	0.0	40896	677
		45K			UTC	210	19.2	54.3	0.3	0.3	0.0	39875	660
		45K	160			213	19.2	54.6	0.3	0.3	0.0	39250	668
		45K	210			214	19.6	53.5	0.5	0.5	0.0	41521	669
	P0175AMX(RR)					214	20.0	54.3	0.9	0.9	0.0	35604	668
	P0175AMX(RR)				Headline	217	20.0	54.5	1.1	1.1	0.0	36344	676
	P0175AMX(RR)				UTC	212	20.0	54.1	0.8	0.8	0.0	34865	661
	P0175AMX(RR)				Smart Trio	209	20.3	53.7	1.8	1.8	0.0	35875	652
	P0175AMX(RR)				UTC	219	19.8	54.8	0.1	0.1	0.0	35333	685
	P0175AMX(RR)		160			209	20.0	54.8	0.9	0.9	0.0	34208	653
	P0175AMX(RR)		210			219	20.0	53.8	1.0	1.0	0.0	37000	684
	P0175AMX(RR)	35K				214	19.7	54.5	1.3	1.3	0.0	32958	668
	P0175AMX(RR)	45K				215	20.4	54.1	0.6	0.6	0.0	38250	669

continue

Table: 1619-02 . Multi-factor effects on continuous corn.(continued) **Arlington, WI - 2016**

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 %		
	DKC50-82(SS)					211	18.6	54.1	0.3	0.3	0.0	38260	663
	DKC50-82(SS)				Headline	211	18.8	54.3	0.0	0.0	0.0	38125	664
	DKC50-82(SS)				UTC	210	18.4	53.9	0.5	0.5	0.0	38396	662
	DKC50-82(SS)			Smart Trio		216	18.5	54.1	0.2	0.2	0.0	38271	680
	DKC50-82(SS)			UTC		205	18.7	54.1	0.3	0.3	0.0	38250	646
	DKC50-82(SS)		160			213	18.5	54.4	0.3	0.3	0.0	38125	671
	DKC50-82(SS)		210			208	18.7	53.8	0.2	0.2	0.0	38396	655
	DKC50-82(SS)	35K				209	18.8	54.2	0.4	0.4	0.0	34000	658
	DKC50-82(SS)	45K				212	18.4	54.0	0.2	0.2	0.0	42521	668
CT						226	19.0	54.3	0.3	0.3	0.0	37172	709
CT					Headline	229	19.0	54.4	0.3	0.3	0.0	37594	721
CT					UTC	222	19.0	54.2	0.3	0.3	0.0	36750	697
CT				Smart Trio		228	18.9	54.2	0.3	0.3	0.0	37375	718
CT				UTC		223	19.0	54.3	0.3	0.3	0.0	36969	700
CT			160			225	18.9	54.9	0.3	0.3	0.0	36094	707
CT			210			226	19.1	53.6	0.3	0.3	0.0	38250	710
CT		35K				224	18.9	54.3	0.0	0.0	0.0	33719	702
CT		45K				228	19.0	54.3	0.6	0.6	0.0	40625	715
CT	P0175AMX(RR)					226	19.6	54.2	0.3	0.3	0.0	35219	707
CT	DKC50-82(SS)					225	18.3	54.3	0.3	0.3	0.0	39125	710
NT						199	19.7	54.1	0.9	0.9	0.0	36693	623
NT					Headline	198	19.9	54.4	0.8	0.8	0.0	36875	619
NT					UTC	200	19.5	53.8	1.0	1.0	0.0	36510	626
NT				Smart Trio		196	19.8	53.6	1.7	1.7	0.0	36771	614
NT				UTC		202	19.5	54.6	0.1	0.1	0.0	36615	631
NT			160			197	19.6	54.2	0.9	0.9	0.0	36240	617
NT			210			201	19.7	54.0	0.9	0.9	0.0	37146	628
NT		35K				199	19.5	54.3	1.6	1.6	0.0	33240	623
NT		45K				199	19.8	53.9	0.2	0.2	0.0	40146	622
NT	P0175AMX(RR)					202	20.4	54.3	1.6	1.6	0.0	35990	629
NT	DKC50-82(SS)					196	18.9	53.9	0.2	0.2	0.0	37396	616
Mean						212	19.3	54.2	0.6	0.6	0.0	36932	666

continue

Table: 1619-02 . Multi-factor effects on continuous corn.(continued) **Arlington, WI - 2016**

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						212	19.3	54.2	0.6	0.6	0.0	36932	666
Probability(%)													
Fungicide						58.7	48.6	37.6	74.2	74.2	--	40.7	61.5
Genotype						50.6	0.0	64.7	8.8	8.8	--	0.2	75.9
Genotype*Fungicide						74.5	46.7	96.4	30.5	30.5	--	25.6	70.7
Genotype*Micro						7.7	23.1	26.0	4.5	4.5	--	73.1	6.7
Genotype*NRate						19.5	61.1	60.7	85.1	85.1	--	10.8	18.9
Genotype*PD						91.3	6.5	87.3	54.5	54.5	--	4.4	80.8
Micro						97.9	75.4	20.4	5.3	5.3	--	70.4	98.4
Micro*Fungicide						92.7	59.4	83.4	22.2	22.2	--	19.7	89.6
NRate						64.0	65.8	9.8	94.9	94.9	--	5.0	67.3
NRate*Fungicide						36.3	22.0	98.5	49.5	49.5	--	51.1	32.3
NRate*Micro						98.8	73.3	60.1	25.4	25.4	--	14.5	99.3
PD						71.2	59.8	56.9	28.0	28.0	--	0.0	74.0
PD*Fungicide						84.7	92.1	77.7	91.2	91.2	--	41.3	84.5
PD*Micro						31.3	27.8	96.0	15.7	15.7	--	33.4	35.2
PD*NRate						76.6	42.4	42.8	63.5	63.5	--	33.4	71.7
Tillage						0.0	2.3	68.5	11.3	11.3	--	50.9	0.0
Tillage*Fungicide						41.9	45.3	67.8	72.1	72.1	--	75.2	39.5
Tillage*Genotype						63.8	72.5	57.3	10.2	10.2	--	11.1	64.6
Tillage*Micro						33.6	45.9	32.2	6.7	6.7	--	86.9	31.8
Tillage*NRate						82.6	82.2	25.5	99.4	99.4	--	41.3	82.4
Tillage*PD						67.6	77.8	64.9	1.6	1.6	--	100.0	66.9
LSD(0.10)													
Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Genotype						NS	0.5	NS	NS	0.7	NS	1263	NS
Genotype*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
Genotype*Micro						13	NS	NS	NS	0.9	NS	NS	42
Genotype*NRate						NS	NS	NS	NS	NS	NS	NS	NS
Genotype*PD						NS	0.7	NS	NS	NS	NS	1799	NS
Micro						NS	NS	NS	NS	0.7	NS	NS	NS
Micro*Fungicide						NS	NS	NS	NS	NS	NS	NS	NS
NRate						NS	NS	NS	NS	NS	NS	1263	NS
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	1263	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						9	0.5	NS	NS	NS	NS	NS	29
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	0.9	NS	NS	NS
Tillage*NRate						NS	NS	NS	NS	NS	NS	NS	NS
Tillage*PD						NS	NS	NS	NS	0.9	NS	NS	NS