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05-SEPAC-CORN-EFFSYNG

Licensee: Dr. Bill Johnson

Title: Gramoxone Inteon No-Till Corn Burndown University COI Program

SITE AND DESIGN

Plot Width: 10.0 Unit: FT Plot Length: 30.0 Unit: FT Plot Area: 300.0 Unit: FT²
 No Reps: 4 No Treats: 11
 Site Description Event Date: May-03-2005 Study Design: RACOBL

Trial Location: Southeast Purdue Agriculture Center
 County: Jennings
 State/Province: Indiana
 Postal Code: 47223

Farm/Station Name: SEPAC
 Farm Manager: Donald Biehle
 Street: 4425 E Co Rd 350 N
 City+State/Prov: Butlerville, IN
 Phone Number: (812) 458-6977

Weather Station: Located on the farm.
 Soil Texture: SILT LOAM Distance to Weather Station: 0.5 Unit: MI
 Tillage Type: NO-TILL

GENERAL TRIAL INFORMATION

2. Date: Jun-07-2005 Area: Trial Crop: CORN DENT Var: DKC 61-45

CROP DEVELOPMENT

	1.
Date:	May-03-2005
	2.
Date:	May-31-2005
Crop:	2 CORN
	CCORN
Stand:	V3

PEST DEVELOPMENT

	1.
Date:	May-03-2005
Pest:	1 CONYZA CANADENSIS
	WCONYZCANAD
Density From, To:	10.0 30.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	0.5 4.0 IN
Leaves From, To:	2.0 30.0
	2.
Date:	May-03-2005
Pest:	2 SENECHIO GLABELLUS
	WSENECHGLABE
Dev. Stage From, To:	
Density From, To:	40.0 60.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	6.0 30.0 IN
	3.
Date:	May-03-2005
Pest:	3 STELLARIA MEDIA
	WSTELLMEDIA
Density From, To:	10.0 30.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	2.0 10.0 IN

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	4.
Date:	May-03-2005
Pest:	15 SENECIO GLABELLUS
	WSENECGLABE
Density From, To:	10.0 20.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	2.0 6.0 IN
	5.
Date:	May-03-2005
Pest:	7 FALSE TIMOTHY
Density From, To:	60.0 180.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	1.0 4.0 IN
	6.
Date:	May-03-2005
Pest:	6 POA ANNUA
	WPOA ANNUA
Dev. Stage From, To:	
Density From, To:	60.0 100.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	1.0 4.0 IN
	7.
Date:	May-03-2005
Pest:	17 RANUNCULUS SP.
	WRANUN
Density From, To:	30.0 50.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	1.0 12.0 IN
	8.
Date:	May-03-2005
Pest:	8 RUMEX CRISPUS
	WRUMEXCRISP
Dev. Stage From, To:	
Density From, To:	10.0 20.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	6.0 12.0 IN
Leaves From, To:	2.0 10.0
	9.
Date:	May-10-2005
Pest:	2 SENECIO GLABELLUS
	WSENECGLABE
Density From, To:	20.0
Unit:	PER SQUARE YARD
	10.
Date:	May-10-2005
Pest:	5 FALSE TIMOTHY
Density From, To:	120.0
Unit:	PER SQUARE YARD
	11.
Date:	May-10-2005
Pest:	7 RANUNCULUS SP.
	WRANUN
Density From, To:	5.0 10.0
Unit:	PER SQUARE YARD

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	12.
Date:	May-10-2005
Pest:	4 CERASTIUM SP.
	WCERAS
Density From, To:	10.0 30.0
Unit:	PER SQUARE YARD
	13.
Date:	May-10-2005
Pest:	8 RUMEX CRISPUS
	WRUMEXCRISP
Density From, To:	1.0
Unit:	PER SQUARE YARD
	14.
Date:	May-10-2005
Pest:	1 CONYZA CANADENSIS
	WCONYZCANAD
Density From, To:	1.0
Unit:	PER SQUARE YARD
	15.
Date:	May-17-2005
Pest:	SENECIO GLABELLUS
	WSENECGLABE
Density From, To:	0.5 1.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	8.0 18.0 IN
	16.
Date:	May-17-2005
Pest:	FALSE TIMOTHY
Height From, To, Unit:	6.0 8.0 IN
	17.
Date:	May-17-2005
Pest:	RANUNCULUS SP.
	WRANUN
Density From, To:	0.0
Height From, To, Unit:	0.0
	18.
Date:	May-17-2005
Pest:	CERASTIUM SP.
	WCERAS
Density From, To:	5.0 20.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	1.0 4.0 IN
	19.
Date:	May-17-2005
Pest:	RUMEX CRISPUS
	WRUMEXCRISP
Density From, To:	1.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	16.0 IN
	20.
Date:	May-17-2005
Pest:	CONYZA CANADENSIS
	WCONYZCANAD
Density From, To:	1.0 5.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	1.0 4.0 IN

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	21.
Date:	May-31-2005
Pest:	RUMEX CRISPUS
	WRUMEXCRISP
Density From, To:	1.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	5.0 30.0 IN
	22.
Date:	May-31-2005
Pest:	CONYZA CANADENSIS
	WCONYZCANAD
Dev. Stage From, To:	
Density From, To:	1.0 5.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	1.0 6.0 IN
	23.
Date:	Jun-14-2005
Pest:	RUMEX CRISPUS
	WRUMEXCRISP
Density From, To:	1.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	5.0 30.0 IN
	24.
Date:	Jun-14-2005
Pest:	CONYZA CANADENSIS
	WCONYZCANAD
Density From, To:	1.0 5.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	1.0 10.0 IN
	25.
Date:	Jun-14-2005
Pest:	34 PANICUM DICHOTOMIFLORUM
	WPANICDICHO
Density From, To:	100.0 200.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	2.0 10.0 IN
	26.
Date:	Jul-14-2005
Pest:	CONYZA CANADENSIS
	WCONYZCANAD
Density From, To:	4.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	12.0 30.0 IN
	27.
Date:	Jul-14-2005
Pest:	PANICUM DICHOTOMIFLORUM
	WPANICDICHO
Density From, To:	20.0 50.0
Unit:	PER SQUARE YARD
Height From, To, Unit:	12.0 18.0 IN

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WEATHER DESCRIPTION

1. Date: May-03-2005 Air Temp. from: _____ to: _____ Unit: _ % Rel. Humidity: _____
 Wind Velocity from: _____ to: _____ Unit: ____
 Wind Direction: ____ Wind Speed Comment: _____ Sky Condition: 20% Cloud
 Cover Sky Condition after: _____
 Rain 24 Hours before: _____ Rain after: _____ Rain 24 Hours after: _____ Meteo

2. Date: May-31-2005 Air Temp. from: 69.0 to: 71.0 Unit: F % Rel. Humidity: _____
 Wind Velocity from: 0.0 to: 2.0 Unit: MPH
 Wind Direction: ____ Wind Speed Comment: _____ Sky Condition: 0% Cloud Cover
 Sky Condition after: _____
 Rain 24 Hours before: _____ Rain after: _____ Rain 24 Hours after: _____ Meteo

No.	Date	Soil Temp.	Unit	Soil Moisture Condition
1.	May-03-2005	49.0	F	moist
2.	May-31-2005	66.0	F	wet

APPLICATION

	A	B
Application Date/Time:	May-03-2005 12:00 AM	May-31-2005 09:16 AM
Target (Crop):	1	
Application Equipment:	BACSPR	BACSPR
Pressure, Unit:	28.0 PSI	28.0 PSI
Nozzle Type:	FLAFAN	FLAFAN
Nozzle Description:	XR11002VS	XR11002VS
Nozzle Spacing, Unit:	20.0 IN	20.0 IN
Ground Speed, Unit:	3.0 MPH	3.0 MPH
Nozzle Filter Mesh:	50	50
Spray Volume, Unit:	15.0 GPA	15.0 GPA
Propellent:	COMCO2	COMCO2
Application Method:	NONINC	NONINC
Application Timing:	PREPRE [P	PREPRE [P
Applic. Placement:	BROFOL	BROFOL

SOIL ANALYSIS

No.	Date	Area	pH/KCL	pH/H2O	CEC	Soil Texture
1.	May-31-2005	Trial	_____	5.9	5.5	SILT LOAM

Soil Component: % Organic Matter: 1.4

Soil Element: P: 30.0 PPM K: 49.0 PPM Ca: 845.0 PPM Mg: 143.0 PPM

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Licensee: Dr. Bill Johnson

Title: Gramoxone Inteon No-Till Corn Burndown University COI Program

SE Group No.	Pest Code	Rating Unit Scale	Assessment Date	Assessment Type, Sub-Type	Days After Last Application	1 2 WSENECGLABE IS 1-100 May-10-2005 NOR RAW 7	1 5 IS 1-100 May-10-2005 NOR RAW 7	1 7 WRANUN IS 1-100 May-10-2005 NOR RAW 7	1 12 WCERAS IS 1-100 May-10-2005 NOR RAW 7
Trt	Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Plot					
1	CHECK UNTREATED			101	0.0	0.0	0.0	0.0	
				302	0.0	0.0	0.0	0.0	
				602	0.0	0.0	0.0	0.0	
				703	0.0	0.0	0.0	0.0	
				Mean =	0.0	0.0	0.0	0.0	
2	GRAMOXONE INTEON 2 SL	700.0	GA/Ha	102	100.0	95.0	100.0	100.0	
2	NIS	0.125	%V/V	403	100.0	80.0	100.0	100.0	
2	LEXAR 3.7 SE	3100.0	GA/Ha	601	100.0	97.0	100.0	100.0	
				804	100.0	100.0	100.0	100.0	
				Mean =	100.0	93.0	100.0	100.0	
3	GRAMOXONE INTEON 2 SL	840.0	GA/Ha	103	100.0	100.0	100.0	100.0	
3	NIS	0.125	%V/V	305	100.0	90.0	100.0	100.0	
3	LEXAR 3.7 SE	3100.0	GA/Ha	503	100.0	93.0	100.0	100.0	
				706	100.0	90.0	100.0	100.0	
				Mean =	100.0	93.3	100.0	100.0	
4	GRAMOXONE INTEON 2 SL	1120.0	GA/Ha	104	100.0	97.0	100.0	100.0	
4	NIS	0.125	%V/V	402	100.0	90.0	100.0	100.0	
4	LEXAR 3.7 SE	3100.0	GA/Ha	604	100.0	100.0	100.0	100.0	
				701	100.0	97.0	100.0	100.0	
				Mean =	100.0	96.0	100.0	100.0	
5	GRAMOXONE INTEON 2 SL	700.0	GA/Ha	105	100.0	97.0	100.0	100.0	
5	2,4-D ESTER 3.8 EC (AE)	533.0	GAE/Ha	306	100.0	75.0	100.0	100.0	
5	NIS	0.125	%V/V	504	100.0	97.0	100.0	100.0	
5	LEXAR 3.7 SE	3100.0	GA/Ha	702	100.0	90.0	100.0	100.0	
				Mean =	100.0	89.8	100.0	100.0	
6	GRAMOXONE INTEON 2 SL	840.0	GA/Ha	106	100.0	97.0	100.0	100.0	
6	2,4-D ESTER 3.8 EC (AE)	533.0	GAE/Ha	301	100.0	90.0	100.0	100.0	
6	NIS	0.125	%V/V	502	100.0	100.0	100.0	100.0	
6	LEXAR 3.7 SE	3100.0	GA/Ha	802	100.0	100.0	100.0	100.0	
				Mean =	100.0	96.8	100.0	100.0	
7	GRAMOXONE INTEON 2 SL	1120.0	GA/Ha	201	100.0	100.0	100.0	100.0	
7	2,4-D ESTER 3.8 EC (AE)	533.0	GAE/Ha	405	100.0	100.0	100.0	100.0	
7	NIS	0.125	%V/V	605	100.0	100.0	100.0	100.0	
7	LEXAR 3.7 SE	3100.0	GA/Ha	805	100.0	100.0	100.0	100.0	
				Mean =	100.0	100.0	100.0	100.0	
8	GRAMOXONE INTEON 2 SL	700.0	GA/Ha	202	100.0	100.0	100.0	100.0	
8	LEXAR 3.7 SE	3100.0	GA/Ha	304	100.0	95.0	100.0	100.0	
8	NIS	0.125	%V/V	501	100.0	100.0	100.0	100.0	
				803	100.0	80.0	100.0	100.0	
				Mean =	100.0	93.8	100.0	100.0	
9	GRAMOXONE INTEON 2 SL	840.0	GA/Ha	203	100.0	100.0	100.0	100.0	
9	LEXAR 3.7 SE	3100.0	GA/Ha	401	100.0	98.0	100.0	100.0	
9	NIS	0.125	%V/V	506	100.0	100.0	100.0	100.0	
				801	100.0	100.0	100.0	100.0	
				Mean =	100.0	99.5	100.0	100.0	
10	GRAMOXONE INTEON 2 SL	1120.0	GA/Ha	204	100.0	100.0	100.0	100.0	
10	LEXAR 3.7 SE	3100.0	GA/Ha	303	100.0	100.0	100.0	100.0	
10	NIS	0.125	%V/V	505	100.0	100.0	100.0	100.0	
				704	100.0	100.0	100.0	100.0	
				Mean =	100.0	100.0	100.0	100.0	
11	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/Ha	205	30.0	80.0	90.0	100.0	
11	DEGREE XTRA 4.04 CS	3400.0	GA/Ha	404	100.0	90.0	100.0	100.0	
				603	100.0	100.0	100.0	100.0	
				705	70.0	50.0	30.0	100.0	
				Mean =	75.0	80.0	80.0	100.0	

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SE Group No.	1	1	2	2
Pest Code	8 WRUMEXCRISP	1 WCONYZCANAD	2 WSENECGLABE	5
Rating Unit Scale	IS 1-100	IS 1-100	IS 1-100	IS 1-100
Assessment Date	May-10-2005	May-10-2005	May-17-2005	May-17-2005
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW	NOR RAW
Days After Last Application	7	7	14	14
Trt Treatment/Product Name	Product/Al Rate	Product/Al Rate Unit	Plot	
1 CHECK UNTREATED			101	0.0
			302	0.0
			602	0.0
			703	0.0
			Mean =	0.0
2 GRAMOXONE INTEON 2 SL	700.0 GA/Ha		102	85.0
2 NIS	0.125 %V/V		403	100.0
2 LEXAR 3.7 SE	3100.0 GA/Ha		601	100.0
			804	100.0
			Mean =	96.3
3 GRAMOXONE INTEON 2 SL	840.0 GA/Ha		103	100.0
3 NIS	0.125 %V/V		305	100.0
3 LEXAR 3.7 SE	3100.0 GA/Ha		503	100.0
			706	100.0
			Mean =	100.0
4 GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		104	93.0
4 NIS	0.125 %V/V		402	100.0
4 LEXAR 3.7 SE	3100.0 GA/Ha		604	100.0
			701	100.0
			Mean =	98.3
5 GRAMOXONE INTEON 2 SL	700.0 GA/Ha		105	90.0
5 2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha		306	80.0
5 NIS	0.125 %V/V		504	100.0
5 LEXAR 3.7 SE	3100.0 GA/Ha		702	100.0
			Mean =	92.5
6 GRAMOXONE INTEON 2 SL	840.0 GA/Ha		106	100.0
6 2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha		301	100.0
6 NIS	0.125 %V/V		502	100.0
6 LEXAR 3.7 SE	3100.0 GA/Ha		802	100.0
			Mean =	100.0
7 GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		201	90.0
7 2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha		405	100.0
7 NIS	0.125 %V/V		605	100.0
7 LEXAR 3.7 SE	3100.0 GA/Ha		805	100.0
			Mean =	97.5
8 GRAMOXONE INTEON 2 SL	700.0 GA/Ha		202	100.0
8 LEXAR 3.7 SE	3100.0 GA/Ha		304	100.0
8 NIS	0.125 %V/V		501	100.0
			803	100.0
			Mean =	100.0
9 GRAMOXONE INTEON 2 SL	840.0 GA/Ha		203	100.0
9 LEXAR 3.7 SE	3100.0 GA/Ha		401	100.0
9 NIS	0.125 %V/V		506	100.0
			801	100.0
			Mean =	100.0
10 GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		204	90.0
10 LEXAR 3.7 SE	3100.0 GA/Ha		303	100.0
10 NIS	0.125 %V/V		505	100.0
			704	100.0
			Mean =	97.5
11 ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0 GAE/Ha		205	70.0
11 DEGREE XTRA 4.04 CS	3400.0 GA/Ha		404	100.0
			603	100.0
			705	100.0
			Mean =	92.5

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SE Group No.			2	2	3	
Pest Code			8 WRUMEXCRISP	1 WCONYZCANAD	8 WRUMEXCRISP	
Rating Unit Scale			IS 1-100	IS 1-100	IS 1-100	
Assessment Date			May-17-2005	May-17-2005	May-31-2005	
Assessment Type, Sub-Type			NOR RAW	NOR RAW	NOR RAW	
Days After Last Application			14	14	28	
Trt	Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Plot		
1	CHECK UNTREATED			101	0.0	0.0
				302	0.0	0.0
				602	0.0	0.0
				703	0.0	0.0
				Mean =	0.0	0.0
2	GRAMOXONE INTEON 2 SL	700.0 GA/Ha		102	75.0	75.0
2	NIS	0.125 %V/V		403	100.0	100.0
2	LEXAR 3.7 SE	3100.0 GA/Ha		601	100.0	100.0
				804	100.0	100.0
				Mean =	93.8	93.8
3	GRAMOXONE INTEON 2 SL	840.0 GA/Ha		103	80.0	100.0
3	NIS	0.125 %V/V		305	30.0	75.0
3	LEXAR 3.7 SE	3100.0 GA/Ha		503	100.0	100.0
				706	100.0	100.0
				Mean =	77.5	93.8
4	GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		104	80.0	60.0
4	NIS	0.125 %V/V		402	100.0	100.0
4	LEXAR 3.7 SE	3100.0 GA/Ha		604	100.0	100.0
				701	100.0	100.0
				Mean =	95.0	90.0
5	GRAMOXONE INTEON 2 SL	700.0 GA/Ha		105	60.0	70.0
5	2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha		306	70.0	60.0
5	NIS	0.125 %V/V		504	100.0	100.0
5	LEXAR 3.7 SE	3100.0 GA/Ha		702	100.0	100.0
				Mean =	82.5	82.5
6	GRAMOXONE INTEON 2 SL	840.0 GA/Ha		106	100.0	85.0
6	2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha		301	100.0	100.0
6	NIS	0.125 %V/V		502	99.0	100.0
6	LEXAR 3.7 SE	3100.0 GA/Ha		802	100.0	100.0
				Mean =	99.8	96.3
7	GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		201	90.0	100.0
7	2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha		405	97.0	100.0
7	NIS	0.125 %V/V		605	100.0	100.0
7	LEXAR 3.7 SE	3100.0 GA/Ha		805	100.0	100.0
				Mean =	96.8	100.0
8	GRAMOXONE INTEON 2 SL	700.0 GA/Ha		202	100.0	100.0
8	LEXAR 3.7 SE	3100.0 GA/Ha		304	100.0	100.0
8	NIS	0.125 %V/V		501	100.0	100.0
				803	100.0	100.0
				Mean =	100.0	100.0
9	GRAMOXONE INTEON 2 SL	840.0 GA/Ha		203	100.0	100.0
9	LEXAR 3.7 SE	3100.0 GA/Ha		401	100.0	100.0
9	NIS	0.125 %V/V		506	100.0	100.0
				801	100.0	100.0
				Mean =	100.0	100.0
10	GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		204	95.0	100.0
10	LEXAR 3.7 SE	3100.0 GA/Ha		303	100.0	100.0
10	NIS	0.125 %V/V		505	100.0	100.0
				704	100.0	100.0
				Mean =	98.8	100.0
11	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0 GAE/Ha		205	90.0	95.0
11	DEGREE XTRA 4.04 CS	3400.0 GA/Ha		404	100.0	100.0
				603	100.0	100.0
				705	100.0	100.0
				Mean =	97.5	98.8

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SE Group No.	Product/Al Rate	Product/Al Rate Unit	Plot	3 1 WCONYZCANAD IS 1-100 May-31-2005 NOR RAW 28	4 8 WRUMEXCRISP IS 1-100 Jun-14-2005 NOR RAW 14	4 1 WCONYZCANAD IS 1-100 Jun-14-2005 NOR RAW 14
SE Group No. Pest Code Rating Unit Scale Assessment Date Assessment Type, Sub-Type Days After Last Application						
Trt Treatment/Product Name						
1 CHECK UNTREATED			101 302 602 703 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
2 GRAMOXONE INTEON 2 SL 2 NIS 2 LEXAR 3.7 SE	700.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		102 403 601 804 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
3 GRAMOXONE INTEON 2 SL 3 NIS 3 LEXAR 3.7 SE	840.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		103 305 503 706 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
4 GRAMOXONE INTEON 2 SL 4 NIS 4 LEXAR 3.7 SE	1120.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		104 402 604 701 Mean =	100.0 100.0 95.0 100.0 98.8	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
5 GRAMOXONE INTEON 2 SL 5 2,4-D ESTER 3.8 EC (AE) 5 NIS 5 LEXAR 3.7 SE	700.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		105 306 504 702 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
6 GRAMOXONE INTEON 2 SL 6 2,4-D ESTER 3.8 EC (AE) 6 NIS 6 LEXAR 3.7 SE	840.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		106 301 502 802 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
7 GRAMOXONE INTEON 2 SL 7 2,4-D ESTER 3.8 EC (AE) 7 NIS 7 LEXAR 3.7 SE	1120.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		201 405 605 805 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
8 GRAMOXONE INTEON 2 SL 8 LEXAR 3.7 SE 8 NIS	700.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		202 304 501 803 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
9 GRAMOXONE INTEON 2 SL 9 LEXAR 3.7 SE 9 NIS	840.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		203 401 506 801 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
10 GRAMOXONE INTEON 2 SL 10 LEXAR 3.7 SE 10 NIS	1120.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		204 303 505 704 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
11 ROUNDUP WEATHERMAX 4.5 SL (AE) 11 DEGREE XTRA 4.04 CS	870.0 GAE/Ha 3400.0 GA/Ha		205 404 603 705 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0

Purdue University

SE Group No. Pest Code Rating Unit Scale Assessment Date Assessment Type, Sub-Type Days After Last Application	4 25 WPANICDICH IS 1-100 Jun-14-2005 NOR RAW 14			5 1 WCONYZCANAD IS 1-100 Jul-14-2005 NOR RAW 44			5 25 WPANICDICH IS 1-100 Jul-14-2005 NOR RAW 44		
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Plot						
1 CHECK UNTREATED			101 302 602 703	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
			Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2 GRAMOXONE INTEON 2 SL	700.0 GA/Ha		102	99.0	100.0	83.0			
2 NIS	0.125 %V/V		403	98.0	100.0	73.0			
2 LEXAR 3.7 SE	3100.0 GA/Ha		601 804	97.0 97.0	100.0 100.0	90.0 90.0			
			Mean =	97.8	100.0	84.0			
3 GRAMOXONE INTEON 2 SL	840.0 GA/Ha		103	99.0	100.0	80.0			
3 NIS	0.125 %V/V		305	97.0	100.0	85.0			
3 LEXAR 3.7 SE	3100.0 GA/Ha		503 706	95.0 98.0	100.0 100.0	98.0 80.0			
			Mean =	97.3	100.0	85.8			
4 GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		104	99.0	100.0	90.0			
4 NIS	0.125 %V/V		402	97.0	100.0	40.0			
4 LEXAR 3.7 SE	3100.0 GA/Ha		604 701	95.0 97.0	100.0 100.0	70.0 65.0			
			Mean =	97.0	100.0	66.3			
5 GRAMOXONE INTEON 2 SL	700.0 GA/Ha		105	98.0	100.0	88.0			
5 2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha		306	95.0	100.0	92.0			
5 NIS	0.125 %V/V		504	95.0	100.0	78.0			
5 LEXAR 3.7 SE	3100.0 GA/Ha		702	99.0	100.0	40.0			
			Mean =	96.8	100.0	74.5			
6 GRAMOXONE INTEON 2 SL	840.0 GA/Ha		106	95.0	100.0	93.0			
6 2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha		301	99.0	100.0	80.0			
6 NIS	0.125 %V/V		502	98.0	100.0	92.0			
6 LEXAR 3.7 SE	3100.0 GA/Ha		802	95.0	100.0	90.0			
			Mean =	96.8	100.0	88.8			
7 GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		201	99.0	100.0	90.0			
7 2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha		405	95.0	100.0	75.0			
7 NIS	0.125 %V/V		605	85.0	100.0	80.0			
7 LEXAR 3.7 SE	3100.0 GA/Ha		805	95.0	100.0	85.0			
			Mean =	93.5	100.0	82.5			
8 GRAMOXONE INTEON 2 SL	700.0 GA/Ha		202	70.0	100.0	0.0			
8 LEXAR 3.7 SE	3100.0 GA/Ha		304	83.0	100.0	0.0			
8 NIS	0.125 %V/V		501 803	90.0 95.0	100.0 100.0	35.0 30.0			
			Mean =	84.5	100.0	16.3			
9 GRAMOXONE INTEON 2 SL	840.0 GA/Ha		203	80.0	100.0	0.0			
9 LEXAR 3.7 SE	3100.0 GA/Ha		401	80.0	100.0	0.0			
9 NIS	0.125 %V/V		506 801	90.0 85.0	100.0 100.0	25.0 10.0			
			Mean =	83.8	100.0	8.8			
10 GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		204	80.0	100.0	0.0			
10 LEXAR 3.7 SE	3100.0 GA/Ha		303	80.0	100.0	0.0			
10 NIS	0.125 %V/V		505 704	80.0 75.0	100.0 100.0	15.0 0.0			
			Mean =	78.8	100.0	3.8			
11 ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0 GAE/Ha		205	90.0	100.0	30.0			
11 DEGREE XTRA 4.04 CS	3400.0 GA/Ha		404 603 705	70.0 80.0 65.0	100.0 100.0 100.0	0.0 0.0 0.0			

Mean =	76.3	100.0	7.5
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Purdue University

Trial Origin:

Licensee: Dr. Bill Johnson

Title: Gramoxone Inteon No-Till Corn Burndown University COI Program

SE Group No.	1	1	1	1
Pest Code	2 WSENECLABE	5	7 WRANUN	12 WCERAS
Rating Unit Scale	IS 1-100	IS 1-100	IS 1-100	IS 1-100
Assessment Date	May-10-2005	May-10-2005	May-10-2005	May-10-2005
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW	NOR RAW
Days After Last Application	7	7	7	7
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit		
1 CHECK UNTREATED			0.0 c	0.0 b
2 GRAMOXONE INTEON 2 SL	700.0 GA/Ha		100.0 a	100.0 a
NIS	0.125 %V/V			
LEXAR 3.7 SE	3100.0 GA/Ha			
3 GRAMOXONE INTEON 2 SL	840.0 GA/Ha		100.0 a	100.0 a
NIS	0.125 %V/V			
LEXAR 3.7 SE	3100.0 GA/Ha			
4 GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		100.0 a	100.0 a
NIS	0.125 %V/V			
LEXAR 3.7 SE	3100.0 GA/Ha			
5 GRAMOXONE INTEON 2 SL	700.0 GA/Ha		100.0 a	100.0 a
2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha			
NIS	0.125 %V/V			
LEXAR 3.7 SE	3100.0 GA/Ha			
6 GRAMOXONE INTEON 2 SL	840.0 GA/Ha		100.0 a	100.0 a
2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha			
NIS	0.125 %V/V			
LEXAR 3.7 SE	3100.0 GA/Ha			
7 GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		100.0 a	100.0 a
2,4-D ESTER 3.8 EC (AE)	533.0 GAE/Ha			
NIS	0.125 %V/V			
LEXAR 3.7 SE	3100.0 GA/Ha			
8 GRAMOXONE INTEON 2 SL	700.0 GA/Ha		100.0 a	100.0 a
LEXAR 3.7 SE	3100.0 GA/Ha			
NIS	0.125 %V/V			
9 GRAMOXONE INTEON 2 SL	840.0 GA/Ha		100.0 a	100.0 a
LEXAR 3.7 SE	3100.0 GA/Ha			
NIS	0.125 %V/V			
10 GRAMOXONE INTEON 2 SL	1120.0 GA/Ha		100.0 a	100.0 a
LEXAR 3.7 SE	3100.0 GA/Ha			
NIS	0.125 %V/V			
11 ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0 GAE/Ha		75.0 b	80.0 a
DEGREE XTRA 4.04 CS	3400.0 GA/Ha			
LSD (P=.05)	14.44	11.69	14.66	0.00
Standard Deviation	10.00	8.10	10.15	0.00
CV	11.28	9.46	11.39	0.0
Bartlett's X2	0.0	22.565	0.0	0.0
P(Bartlett's X2)	.	0.002*	.	.
Replicate F	1.000	2.302	1.000	0.000
Replicate Prob(F)	0.4064	0.0972	0.4064	1.0000
Treatment F	36.818	51.219	35.294	0.000
Treatment Prob(F)	0.0001	0.0001	0.0001	1.0000

Purdue University

SE Group No.	1	1	2	2
Pest Code	8 WRUMEXCRISP	1 WCONYZCANAD	2 WSENECGLABE	5
Rating Unit Scale	IS 1-100	IS 1-100	IS 1-100	IS 1-100
Assessment Date	May-10-2005	May-10-2005	May-17-2005	May-17-2005
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW	NOR RAW
Days After Last Application	7	7	14	14
Trt Treatment/Product Name	Product/Al Rate	Product/Al Rate Unit		
1 CHECK UNTREATED			0.0 b	0.0 c
2 GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	700.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		96.3 a	100.0 a
3 GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	840.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		100.0 a	99.8 a
4 GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	1120.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		98.3 a	100.0 a
5 GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	700.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		92.5 a	99.8 a
6 GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	840.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		100.0 a	100.0 a
7 GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	1120.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		97.5 a	100.0 a
8 GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	700.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		100.0 a	100.0 a
9 GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	840.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		100.0 a	100.0 a
10 GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	1120.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		97.5 a	100.0 a
11 ROUNDUP WEATHERMAX 4.5 SL (AE) DEGREE XTRA 4.04 CS	870.0 GAE/Ha 3400.0 GA/Ha		92.5 a	92.5 a
LSD (P=.05)	7.88	6.53	10.39	1.84
Standard Deviation	5.46	4.52	7.19	1.28
CV	6.16	5.01	8.04	1.42
Bartlett's X2	7.923	0.0	35.52	19.989
P(Bartlett's X2)	0.161	.	0.001*	0.003*
Replicate F	4.598	1.000	0.962	1.431
Replicate Prob(F)	0.0092	0.4064	0.4233	0.2533
Treatment F	116.875	176.111	69.677	2184.243
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Purdue University

SE Group No.	2	2	3			
Pest Code	8 WRUMEXCRISP	1 WCONYZCANAD	8 WRUMEXCRISP			
Rating Unit Scale	IS 1-100	IS 1-100	IS 1-100			
Assessment Date	May-17-2005	May-17-2005	May-31-2005			
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW			
Days After Last Application	14	14	28			
Trt	Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit			
1	CHECK UNTREATED			0.0 b	0.0 b	0.0 b
2	GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	700.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		93.8 a	100.0 a	93.8 a
3	GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	840.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		77.5 a	100.0 a	93.8 a
4	GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	1120.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		95.0 a	100.0 a	90.0 a
5	GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	700.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		82.5 a	100.0 a	82.5 a
6	GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	840.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		99.8 a	100.0 a	96.3 a
7	GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	1120.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		96.8 a	100.0 a	100.0 a
8	GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	700.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		100.0 a	100.0 a	100.0 a
9	GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	840.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		100.0 a	100.0 a	100.0 a
10	GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	1120.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		98.8 a	100.0 a	100.0 a
11	ROUNDUP WEATHERMAX 4.5 SL (AE) DEGREE XTRA 4.04 CS	870.0 GAE/Ha 3400.0 GA/Ha		97.5 a	100.0 a	98.8 a
LSD (P=.05)				17.13	0.00	13.82
Standard Deviation				11.87	0.00	9.57
CV				13.86	0.0	11.03
Bartlett's X2				38.835	0.0	10.712
P(Bartlett's X2)				0.001*	.	0.057
Replicate F				2.975	0.000	3.091
Replicate Prob(F)				0.0473	1.0000	0.0419
Treatment F				24.466	0.000	37.478
Treatment Prob(F)				0.0001	1.0000	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Purdue University

SE Group No. Pest Code Rating Unit Scale Assessment Date Assessment Type, Sub-Type Days After Last Application	3 1 WCONYZCANAD IS 1-100 May-31-2005 NOR RAW 28	4 8 WRUMEXCRISP IS 1-100 Jun-14-2005 NOR RAW 14	4 1 WCONYZCANAD IS 1-100 Jun-14-2005 NOR RAW 14		
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit			
1 CHECK UNTREATED			0.0 b	0.0 b	0.0 b
2 GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	700.0 0.125 3100.0	GA/Ha %V/V GA/Ha	100.0 a	100.0 a	100.0 a
3 GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	840.0 0.125 3100.0	GA/Ha %V/V GA/Ha	100.0 a	100.0 a	100.0 a
4 GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	1120.0 0.125 3100.0	GA/Ha %V/V GA/Ha	98.8 a	100.0 a	100.0 a
5 GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	700.0 533.0 0.125 3100.0	GA/Ha GAE/Ha %V/V GA/Ha	100.0 a	100.0 a	100.0 a
6 GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	840.0 533.0 0.125 3100.0	GA/Ha GAE/Ha %V/V GA/Ha	100.0 a	100.0 a	100.0 a
7 GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	1120.0 533.0 0.125 3100.0	GA/Ha GAE/Ha %V/V GA/Ha	100.0 a	100.0 a	100.0 a
8 GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	700.0 3100.0 0.125	GA/Ha GA/Ha %V/V	100.0 a	100.0 a	100.0 a
9 GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	840.0 3100.0 0.125	GA/Ha GA/Ha %V/V	100.0 a	100.0 a	100.0 a
10 GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	1120.0 3100.0 0.125	GA/Ha GA/Ha %V/V	100.0 a	100.0 a	100.0 a
11 ROUNDUP WEATHERMAX 4.5 SL (AE) DEGREE XTRA 4.04 CS	870.0 3400.0	GAE/Ha GA/Ha	100.0 a	100.0 a	100.0 a
LSD (P=.05)	1.09			0.00	0.00
Standard Deviation	0.75			0.00	0.00
CV	0.83			0.0	0.0
Bartlett's X2	0.0			0.0	0.0
P(Bartlett's X2)	.			.	.
Replicate F	1.000			0.000	0.000
Replicate Prob(F)	0.4064			1.0000	1.0000
Treatment F	6385.000			0.000	0.000
Treatment Prob(F)	0.0001			1.0000	1.0000

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Purdue University

SE Group No. Pest Code Rating Unit Scale Assessment Date Assessment Type, Sub-Type Days After Last Application	4 25 WPANICDICH0 IS 1-100 Jun-14-2005 NOR RAW 14	5 1 WCONYZCANAD IS 1-100 Jul-14-2005 NOR RAW 44	5 25 WPANICDICH0 IS 1-100 Jul-14-2005 NOR RAW 44		
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit			
1 CHECK UNTREATED			0.0 d	0.0 b	0.0 b
2 GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	700.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		97.8 a	100.0 a	84.0 a
3 GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	840.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		97.3 a	100.0 a	85.8 a
4 GRAMOXONE INTEON 2 SL NIS LEXAR 3.7 SE	1120.0 GA/Ha 0.125 %V/V 3100.0 GA/Ha		97.0 a	100.0 a	66.3 a
5 GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	700.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		96.8 a	100.0 a	74.5 a
6 GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	840.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		96.8 a	100.0 a	88.8 a
7 GRAMOXONE INTEON 2 SL 2,4-D ESTER 3.8 EC (AE) NIS LEXAR 3.7 SE	1120.0 GA/Ha 533.0 GAE/Ha 0.125 %V/V 3100.0 GA/Ha		93.5 ab	100.0 a	82.5 a
8 GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	700.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		84.5 bc	100.0 a	16.3 b
9 GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	840.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		83.8 bc	100.0 a	8.8 b
10 GRAMOXONE INTEON 2 SL LEXAR 3.7 SE NIS	1120.0 GA/Ha 3100.0 GA/Ha 0.125 %V/V		78.8 c	100.0 a	3.8 b
11 ROUNDUP WEATHERMAX 4.5 SL (AE) DEGREE XTRA 4.04 CS	870.0 GAE/Ha 3400.0 GA/Ha		76.3 c	100.0 a	7.5 b
LSD (P=.05)	8.13		0.00		18.41
Standard Deviation	5.63		0.00		12.75
CV	6.86		0.0		27.07
Bartlett's X2	31.893		0.0		12.215
P(Bartlett's X2)	0.001*		.		0.201
Replicate F	0.117		0.000		2.169
Replicate Prob(F)	0.9492		1.0000		0.1124
Treatment F	101.674		0.000		37.037
Treatment Prob(F)	0.0001		1.0000		0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)