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Country: UNITED STATES OF AMERICA Region: Trial Use: Normal
Discipline: HERBICIDE Sequence: Year: 2006
Trial Id.: US__0H___2006 Protocol Id.: HPQ001A4-2006US Revision Date: FEB02
Master Protocol Id.:

Trial Origin: COOPERATOR TRIAL Licensee: Dr. William G. Johnson GEP: N

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

SITE AND DESIGN

Plot Width: 10 **Unit:** FT **Plot Length:** 30 **Unit:** FT **Plot Area:** 300.0 **Unit:** FT2 **No Reps:** 4 **No Treats:** 10

Site Description Event Date: 18/Apr/2006 **Study Design:** RACOBL

Trial Location: SEPAC - Butlerville, IN
County: Jennings
State/Province: Indiana
Postal Code: 47223
Cooperator Name: Southeastern Purdue Agriculture Center
Coop. Trial ID: 06S-SEP-NTC-07

Farm/Station Name: SEPAC
Farm Manager: Don Biehle
Street: 4425 E Co Rd 350 N
City+State/Prov: Butlerville, IN
Postal Code: 47223
Country: UNITED STATES OF AMERICA
Phone Number: 812-458-6977

Fertility Level: GOOD
Soil Texture: SILTY CLAY LOAM
Soil Drainage: POOR
Tillage Type: NO-TILL

Distance to Weather Station: 0.25 **Unit:** MI
Closest Weather Station: Located on the farm

SITE USAGE

No.	Site Type
1.	FIELD

No.	Trial Number	COUNTRY	REGION	USE	DISCIPLINE	SEQUENCE	YEAR
1.							

No.	Date or	Month	Year	TYPE	Rate	Unit
1.						

No.	Previous Maint. No.	Previous Product [DSP]	Form Type	Form Conc	Unit	Form Variety	Rate	Unit
1.								

No.	Date or	Month	Year	Previous Crop/Pest	Previous Crop/Pest Variety	Cultural Condition
1.				GLYCINE MAX		

GENERAL TRIAL INFORMATION

Initiation Date: 18/Apr/2006 **Protocol Id. :** HPQ001A4-2006US
Title: Gramoxone Inteon No-Till Corn Burndown University COI Program - Northern Version
Intl./Overall Protocol Owner : Les Glasgow **Investigator:** Dr. Bill Johnson
Local Protocol Responsibility: Scott Cully **Title:** Associate Professor
Affiliation: Purdue University

No.	SYPOS Project	SYPOS Task
1.		T009846-05

TRIAL STATUS

1. **Date:** 18/Apr/2006 **TRIAL STATUS:** ESTABLISHED
   Comment: Generated by ARM

SEED DESCRIPTION

1. **Date:** 24/May/2006 **Area:** Trial **Crop:** ZEA MAYS **Var:** Pioneer P34H30
   Comment: Planted about six hours after burndown treatment.

CROP OCCURRENCE

	1.
Date:	24/May/2006
Area:	Trial
Crop:	CORN
Crop Code:	ZEAMX
BBCH Scale:	BCOR
Variety:	Pioneer P34H30
Planting Date:	24/May/2006
PL. TYPE:	PLANTING OF SEEDS
Planting Depth Min, Max, Unit:	1.0 1.5 IN
Row Spacing, Unit:	30.0 IN
Planting Rate, Unit:	31000.0 S/A
Method:	DIRECT DRILLED

PEST OCCURRENCE

	1.	2.	3.
Date:	23/May/2006	23/May/2006	23/May/2006
Area:	Trial	Trial	Trial
Pest:	ERIGERON CANADENSIS	PANICUM DICHOTOMIFLORUM	ALOPECURUS CAROLINIANUS
Pest Code:	ERICA	PANDI	ALOCA
Stage Scale:	BBCH	BBCH	BGRM

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CROP DEVELOPMENT

	1.	2.	3.	4.
Date:	24/May/2006	31/May/2006	6/Jun/2006	21/Jun/2006
Crop:	1 CORN	1 CORN	1 CORN	1 CORN
Crop Code:	ZEAMX	ZEAMX	ZEAMX	ZEAMX
BBCH Scale:	BCOR	BCOR	BCOR	BCOR
Variety:	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30
Dev. Stage Min, Max:		05 09	11 12	13 14
Stand:				
Height Min, Max, Unit:			3.0 4.0 IN	

Tree/Crop Row Volume Information				
Height Total (m):		0.09	0.09	

	5.
Date:	20/Jul/2006
Crop:	1 CORN
Crop Code:	ZEAMX
BBCH Scale:	BCOR
Variety:	Pioneer P34H30
Dev. Stage Min, Max:	55 59
Stand:	tasseling
Height Min, Max, Unit:	

Tree/Crop Row Volume Information	
Height Total (m):	

PEST DEVELOPMENT

	1.	2.	3.	4.
Date:	23/May/2006	23/May/2006	23/May/2006	31/May/2006
Pest:	1 ERIGERON CANADENSIS	2 PANICUM DICHOTOMIFLORUM	3 ALOPECURUS CAROLINIANUS	1 ERIGERON CANADENSIS
Pest Code:	ERICA	PANDI	ALOCA	ERICA
Stage Scale:	BBCH	BBCH	BGRM	BBCH
Density Min, Max:	3.0 5.0	10.0 15.0	0.0 3.0	0.0 10.0
Unit:	PER SQUARE FOOT	PER SQUARE FOOT	PER SQUARE FOOT	PER SQUARE YARD
Stand:	Bolting	1 leaf tillering		bolting
Height Min, Max, Unit:	1.0 5.0 IN	1.0 4.0 IN	12.0 16.0 IN	1.0 8.0 IN
Leaves Min, Max:	5.0 12.0	1.0 6.0	12.0 20.0	
Tillers Min, Max:			5.0 30.0	
Natural Incidence:	Y	Y	Y	

	5.	6.	7.	8.
Date:	31/May/2006	6/Jun/2006	6/Jun/2006	21/Jun/2006
Pest:	2 PANICUM DICHOTOMIFLORUM	1 ERIGERON CANADENSIS	2 PANICUM DICHOTOMIFLORUM	1 ERIGERON CANADENSIS
Pest Code:	PANDI	ERICA	PANDI	ERICA
Stage Scale:	BBCH	BBCH	BBCH	BBCH
Density Min, Max:	0.0 120.0	0.0 10.0	0.0 120.0	0.0 10.0
Unit:	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD
Stand:		bolting		
Height Min, Max, Unit:	2.0 12.0 IN	1.0 8.0 IN	2.0 12.0 IN	12.0 16.0 IN
Leaves Min, Max:				
Tillers Min, Max:				
Natural Incidence:				

	9.	10.	11.
Date:	21/Jun/2006	20/Jul/2006	20/Jul/2006
Pest:	2 PANICUM DICHOTOMIFLORUM	1 ERIGERON CANADENSIS	2 PANICUM DICHOTOMIFLORUM
Pest Code:	PANDI	ERICA	PANDI
Stage Scale:	BBCH	BBCH	BBCH
Density Min, Max:	0.0 120.0	0.0 10.0	0.0 120.0
Unit:	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD
Stand:			
Height Min, Max, Unit:	12.0 16.0 IN	4.0 48.0 IN	36.0 60.0 IN
Leaves Min, Max:			
Tillers Min, Max:	1.0 4.0		
Natural Incidence:			

WEATHER DESCRIPTION

1. Date: 24/May/2006 **Air Temp. Min:** 75.0 **Max:** 75.0 **Unit:** F **% Rel. Humidity Min:** 40.0 **Max:** 40.0
Wind Velocity Min: 2.0 **Max:** 4.0 **Unit:** MPH **Wind Direction:** SE
Sky Condition: clear

2. Date: 6/Jun/2006 **Max:** 78.0 **Unit:** F **Max:** 60.0
Wind Velocity Min: 0.0 **Max:** 4.0 **Unit:** MPH **Wind Direction:** NW

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3.

No.	Date	Soil Temp.	Unit	Soil Moisture Condition	Comment
1.	24/May/2006	75.0	F	moist	
2.	6/Jun/2006	72.0	F	dry	

APPLICATION

	A	B
Application Date/Time:	24/May/2006 9:00 AM	6/Jun/2006 9:00 AM
Target (Crop):	1 ZEAMX	3 ZEAMX
Variety (Crop):	Pioneer P34H30	Pioneer P34H30
Development (Crop):		11 12
Target (Pest):	1 ERICA	6 ERICA
Weather:	1	2
Soil:	1	2
Equipment Name:	Backpack	Backpack
Application Equipment:	BACSPR	BACSPR
Pressure, Unit:	20 PSI	20 PSI
Nozzle Type:	FLAFAN	FLAFAN
Nozzle Description:	XR 11002	XR 11002
Nozzle Spacing, Unit:	15 IN	15 IN
Boom Length, Unit:	10 FT	10 FT
Boom Height, Unit:	15 IN	15 IN
Ground Speed, Unit:	3 MPH	3 MPH
Nozzle Filter Mesh:	50	50
Spray Volume, Unit:	15.0 GPA	15.0 GPA
Mix Size, Unit:	1.8 L	1.8 L
Propellent:	COMCO2	COMCO2
Water Hardness:	288.0	288.0
Application Method:	NONINC	NONINC
Application Timing:	PREPOS	EAPOCR
Applic. Placement:	BROFOL	BROFOL

No.	Date/Time	Area	Type	Amount	Unit	Interval	Unit	Water Depth	Unit	Water Management	Water Leakage	Unit	Overall Soil Moisture Condition
1.													

No.	Date	Area	Laboratory Name	pH/KCL	pH/H20	CEC	Soil Texture
1.	1/Sep/2001	Trial		5.7	5.5		SILT LOAM

Soil Component: **% Organic Matter:** 1.3

Soil Element: **P:** 29.0 PPM **K:** 61.0 PPM **Ca:** 833.0 PPM **Mg:** 140.0 PPM

No.	Soil Analy. No.	Product	Quantity	Unit
1.				

INOCULATION/INFESTATION

1.

No.	Date	Area	TYPE	Rate	Unit	Comment
1.						

No.	Maint. No.	INGREDIENT TYPE	PRODUCT NAME [DSP]	Form Type	Form Conc	Form Unit	Form Variety	Batch/Lot Number	Rate	Unit
1.		@CO	28% UAN		28.0	%AW/W			470.0	LPR/HA

No. Date General Comments

1. 20/Jul/2006 Corn stand is poor and crop yields will not be collected.

Code Crop Occurrence Comment

1.

Code Pest Occurrence Comment

1.

Code Crop Development Comment

1.

Code Pest Development Comment

1.

Code Comment

1.

Code Comment

1.

Area Name Treatment Numbers in Area

1.

INSTRUCTIONS

Sypos Task Number: T0009846-05
DM Contact: B. Pope
Proposed Trials: 1-MD-Lins, 1-IN-Mroczkiewicz, 1-IL-Cully, 1-NRTC-Bruce, 1-OH-Bruns
Crops: CORN
Targets: CONYZA CANADENSIS GLYR,WEEDS WINTER,CONYZA CANADENSIS,AMBROSIA SP.,CHENOPODIUM ALBUM,AMARANTHUS SP.,LACTUCA SERRIOLA,LAMIUM SP.,STELLARIA MEDIA
Primary Reviewers(2): Bruce Joe,Holloway James
No. Evaluations: 6

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======================================================================
Objective Notes:
======================================================================
For University COI targeting GLYR Conyza Canadensis to compare the burndown efficacy and season long weed control of Gramoxone Inteon alone and in tankmix with 2,4-D followed by LEXAR or LUMAX applied early post to spike to 5 inch corn to a
tank-mix of Gramoxone Inteon plus Lexar or LUMAX applied 1-pass PRE, to Roundup Weathermax in tank-mix with Degree Xtra applied 1-pass PRE and Roundup Weathermax +/- 2,4-D PRE burndown fb Roundup Weathermax POST in no-till corn.
======================================================================
Trial Design Notes:
======================================================================
RCB, 3 replications, 10 X 30 ft.
======================================================================
Treatment Notes:
======================================================================
LEXAR rate in treatment list is for soil < 3% O.M., adjust to 3630 g ai/ha rate for soil > 3% O.M.
LUMAX may be substituted for LEXAR. Apply LUMAX at recommended rate for soil type.
If Monsanto recommends the addition of AMS to Roundup Weathermax in your geography please add.
Application Timings:
A = burndown treatments to 3-6 inch weeds.
Document weed size at application.
B = Early POST to Spike to 5 inch corn
Document crop and weed size at application
C = POST to 2-6 inch weeds
======================================================================
Assessment Notes:
======================================================================

Assess burndown weed control at 7 and 14 days after application (DAA) and at just prior to the EPOST application. Assess PHYTO and Weed Control at 7-14 and 42-50 days after EPOST application
Yield reported in Bu/Acre is required
======================================================================
Reporting Notes:
Date Data Required By:          National Results Meeting
======================================================================


======================================================================
Other Notes:
======================================================================

Photos depicting differences in treatments are desired.
**********************************************************************
PLEASE DELETE SECTIONS BELOW FOR EXTERNAL USE.
======================================================================
Syngenta Confidential Information:
======================================================================
HPQ100A
TREATMENT/PRODUCT NAME  DESIGN CODE
GRAMOXONE INTEON 2 SL           A7813K
LEXAR 3.7 SE                    A14224A
LUMAX                A12854L
DEGREE XTRA 4.04 CS             EZA14372
"2,4-D LV ESTER"
ROUNDUP WEATHERMAX 4.5 SL       EXC201
======================================================================
Feedback Provided By:
======================================================================
```

Assessment Tasks

*GRID_HEADING*No.	Timing ID	SE Name	SE Description	Part Assess	Assess Data Type	Assess Unit	Samples per 1 Collect.basis	Sample Unit	Coll. Basis	Basis Unit	Reporting Basis	Reporting Basis Unit	Asmt Type	Asmt Sub Type	Calc Type	Scale Type	Scale Min	Scale Max	Cat. Mult.	No. Subs.	Action Code	Trans. Code
1.	1	X001	% General phyto on p	PLANT	PHYGEN	%	1.0	PLOT	1.0	PLOT	1.0	PLOT	NOR	RAW	NC	S						
2.	2	W003	% weed control	PLANT	CONTRO	%	1.0	PLOT	1.0	PLOT	1.0	PLOT	NOR	RAW	NC	S						
3.	3	Y001A	Derived yield t/ha.	GRAIN	YIELD	BU		ROWFT	1.0	PLOT	1.0	ACRE	YLW	WGT	NC	O						

*GRID_HEADING*No.	Timing ID	Min Reps	Max Reps	Intv Min	Intv Max	Intv Unit	Start Date	Days After	End Date	PHI	Crop	Target	Timing From	Timing To	Timing Unit
1.	1														
2.	2														
3.	3														

No.	Task	Comment
1.		

Trial Comments

Purdue University

Country: UNITED STATES OF AMERICA Region: Trial Use: Normal
Discipline: HERBICIDE Sequence: Year: 2006
Trial Id.: US__0H___2006 Protocol Id.: HPQ001A4-2006US Revision Date: FEB02
Master Protocol Id.:

Trial Origin: COOPERATOR TRIAL Licensee: Dr. William G. Johnson GEP: N

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

Assessment Date									31/May/2006	31/May/2006	6/Jun/2006	6/Jun/2006	6/Jun/2006	6/Jun/2006	21/Jun/2006	21/Jun/2006	21/Jun/2006	21/Jun/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006
Assessed By									VMD + GN	VMD + GN											
Crop Code									1 ZEAMX	1 ZEAMX	2 ZEAMX	2 ZEAMX	2 ZEAMX	2 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	4 ZEAMX	4 ZEAMX	4 ZEAMX
Crop Variety									Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30
Crop Development											05 09	05 09	05 09	05 09	11 12	11 12	11 12	11 12	13 14	13 14	13 14
Pest Code									1 ERICA	2 PANDI	4 ERICA	5 PANDI			4 ERICA	5 PANDI				5 PANDI	4 ERICA
SE Group No.									1	1	1	1	1	1	2	2	3	3	4	4	4
SE Name									EFF	EFF	EFF	EFF	Stunting	Chlorosis	EFF	EFF	Stunting	Necrosis	Crop Injury	EFF	EFF
Assessment Data Type									CONTRO	CONTRO	CONTRO	CONTRO	PHYSTU	PHYCHL	CONTRO	CONTRO	PHYSTU	PHYCHL	PHYGEN	CONTRO	CONTRO
Assessment Unit									%	%	%	%	%	%	%	%	%	%		%	%
Assessment Type, Sub-Type									NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW
Days After Planting									7DAP-1	7DAP-1	13DAP-1	13DAP-1	13DAP-1	13DAP-1	28DAP-1	28DAP-1	28DAP-1	28DAP-1	57DAP-1	57DAP-1	57DAP-1
Days Application to Assessment									7 DA-A	7 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	57 DA-A	57 DA-A	57 DA-A
Days After Last Application									7	7	13	13	13	13	15	15	15	15	44	44	44
Trt	Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Converted Rate	Converted Rate Unit	Applic. Code	Applic. Timing	Plot	1	2	3	4	5	6	7	8	9	10	11	12	13
1	CHECK UNTREATED							101	0	0	0	0	0	0	0	0	0	0	0	0	0
								302	0	0	0	0	0	80	0	0	0	0	0	0	0
								605	0	0	0	0	0	0	0	0	0	0	0	0	0
								703	0	0	0	0	0	0	0	0	0	0	0	0	0
								Mean =	0	0	0	0	0	20	0	0	0	0	0	0	0
2	GRAMOXONE INTEON 2 SL	700.0	GA/HA	40	FLOzPr/A	A	PREPOS	102	93	75	100	85	20	5	100	80	0	0	0	10	100
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS	404	100	80	100	85	0	5	100	75	0	0	0	10	100
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	B	EAPOCR	604	100	80	100	95	10	5	100	90	0	0	0	65	100
								803	95	100	95	95	0	0	100	75	0	0	0	20	100
								Mean =	97	84	99	90	8	4	100	80	0	0	0	26	100
3	GRAMOXONE INTEON 2 SL	840.0	GA/HA	48	FLOzPr/A	A	PREPOS	103	50	60	85	75	10	5	100	65	0	0	0	10	100
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS	301	100	90	100	95	25	10	100	85	0	0	0	50	100
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	B	EAPOCR	503	85	60	90	90	0	5	100	75	0	0	0	10	100
								702	100	93	100	95	0	0	100	80	0	0	0	70	100
								Mean =	84	76	94	89	9	5	100	76	0	0	0	35	100
4	GRAMOXONE INTEON 2 SL	700.0	GA/HA	40	FLOzPr/A	A	PREPOS	104	100	50	100	65	20	0	100	70	0	0	0	30	100
	2,4-D ESTER 3.8 EC (AE)	533.0	GAE/HA	16	FLOzPr/A	A	PREPOS	402	100	95	100	95	0	5	100	93	0	0	0	60	100
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS	504	100	60	100	95	0	5	100	90	0	0	0	60	100
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	B	EAPOCR	704	100	95	100	95	0	0	100	90	0	0	0	75	100
								Mean =	100	75	100	88	5	3	100	86	0	0	0	56	100
5	GRAMOXONE INTEON 2 SL	840.0	GA/HA	48	FLOzPr/A	A	PREPOS	105	85	85	95	85	10	5	100	95	0	0	0	40	100
	2,4-D ESTER 3.8 EC (AE)	533.0	GAE/HA	16	FLOzPr/A	A	PREPOS	405	100	83	100	85	0	0	100	85	0	0	0	20	100
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS	602	100	90	100	95	0	5	100	95	0	0	0	65	100
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	B	EAPOCR	802	100	100	100	98	0	0	100	95	0	0	0	90	100
								Mean =	96	90	99	91	3	3	100	93	0	0	0	54	100
6	GRAMOXONE INTEON 2 SL	700.0	GA/HA	40	FLOzPr/A	A	PREPOS	201	100	100	100	95	0	5	100	90	0	0	0	50	98
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	A	PREPOS	305	100	93	100	90	0	0	100	80	0	0	0	35	100
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS	505	100	85	100	98	0	0	100	90	0	0	0	40	100
								805	100	98	100	99	0	0	100	95	0	0	0	80	100
								Mean =	100	94	100	96	0	1	100	89	0	0	0	51	100
7	GRAMOXONE INTEON 2 SL	840.0	GA/HA	48	FLOzPr/A	A	PREPOS	202	100	100	100	95	0	0	100	80	0	0	0	35	100
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	A	PREPOS	304	100	98	100	85	0	0	100	90	0	0	0	70	100
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS	603	100	90	100	98	10	0	100	85	0	0	0	40	100
								705	100	98	100	99	0	0	100	93	0	0	0	85	100
								Mean =	100	97	100	94	3	0	100	87	0	0	0	58	100
8	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	A	PREPOS	203	70	40	85	60	0	0	80	70	0	0	0	0	100
	DEGREE XTRA 4.04 CS	3400.0	GA/HA	96	FLOzPr/A	A	PREPOS	401	25	35	90	90	0	0	100	70	0	0	0	0	40
								601	50	90	95	95	0	0	100	75	0	0	0	25	25
								801	10	95	75	100	0	0	70	80	0	0	0	45	40
								Mean =	39	65	86	86	0	0	88	74	0	0	0	18	51
9	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	A	PREPOS	204	85	90	100	95	10	0	100	70	0	0	0	92	100
	2,4-D ESTER 3.8 EC (AE)	533.0	GAE/HA	16	FLOzPr/A	A	PREPOS	403	50	40	100	80	0	5	100	99	0	0	0	95	100
	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	C	POSPOS	502	50	50	90	90	0	0	100	100	0	0	0	85	100
								701	25	80	95	95	0	10	97	100	0	0	0	98	98
								Mean =	53	65	96	90	3	4	99	92	0	0	0	93	100
10	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	A	PREPOS	205	100	90	100	85	0	0	90	99	0	0	0	90	100
	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	C	POSPOS	303	75	50	0	80	0	100	70	97	0	0	0	94	85
								501	0	60	0	95	0	0	50	100	0	0	0	85	10
								804	50	95	40	100	0	0	70	100	0	0	0	98	80
								Mean =	56	74	35	90	0	25	70	99	0	0	0	92	69

Purdue University

Country: UNITED STATES OF AMERICA Region: Trial Use: Normal
Discipline: HERBICIDE Sequence: Year: 2006
Trial Id.: US__0H___2006 Protocol Id.: HPQ001A4-2006US Revision Date: FEB02
Master Protocol Id.:

Trial Origin: COOPERATOR TRIAL Licensee: Dr. William G. Johnson GEP: N

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

Trt	Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Converted Rate	Converted Rate Unit	Applic. Code	Applic. Timing	1	2	3	4	5	6	7	8	9	10	11	12	13
	Assessment Date							31/May/2006	31/May/2006	6/Jun/2006	6/Jun/2006	6/Jun/2006	6/Jun/2006	21/Jun/2006	21/Jun/2006	21/Jun/2006	21/Jun/2006	20/Jul/2006	20/Jul/2006	20/Jul/2006
	Assessed By							VMD + GN	VMD + GN											
	Crop Code							1 ZEAMX	1 ZEAMX	2 ZEAMX	2 ZEAMX	2 ZEAMX	2 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	4 ZEAMX	4 ZEAMX	4 ZEAMX
	Crop Variety							Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30	Pioneer P34H30
	Crop Development									05 09	05 09	05 09	05 09	11 12	11 12	11 12	11 12	13 14	13 14	13 14
	Pest Code							1 ERICA	2 PANDI	4 ERICA	5 PANDI			4 ERICA	5 PANDI				5 PANDI	4 ERICA
	SE Group No.							1	1	1	1	1	1	2	2	3	3	4	4	4
	SE Name							EFF	EFF	EFF	EFF	Stunting	Chlorosis	EFF	EFF	Stunting	Necrosis	Crop Injury	EFF	EFF
	Assessment Data Type							CONTRO	CONTRO	CONTRO	CONTRO	PHYSTU	PHYCHL	CONTRO	CONTRO	PHYSTU	PHYCHL	PHYGEN	CONTRO	CONTRO
	Assessment Unit							%	%	%	%	%	%	%	%	%	%		%	%
	Assessment Type, Sub-Type							NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW
	Days After Planting							7DAP-1	7DAP-1	13DAP-1	13DAP-1	13DAP-1	13DAP-1	28DAP-1	28DAP-1	28DAP-1	28DAP-1	57DAP-1	57DAP-1	57DAP-1
	Days Application to Assessment							7 DA-A	7 DA-A	13 DA-A	13 DA-A	13 DA-A	13 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	57 DA-A	57 DA-A	57 DA-A
	Days After Last Application							7	7	13	13	13	13	15	15	15	15	44	44	44
1	CHECK UNTREATED							0	0	0	0	0	20	0	0	0	0	0	0	0
2	GRAMOXONE INTEON 2 SL	700.0	GA/HA	40	FLOzPr/A	A	PREPOS	97 a	84 ab	99 a	90 a	8 a	4 ab	100 a	80 cde	0 a	0 a	0 a	26 cd	100 a
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS													
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	B	EAPOCR													
3	GRAMOXONE INTEON 2 SL	840.0	GA/HA	48	FLOzPr/A	A	PREPOS	84 ab	76 ab	94 a	89 a	9 a	5 ab	100 a	76 de	0 a	0 a	0 a	35 bcd	100 a
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS													
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	B	EAPOCR													
4	GRAMOXONE INTEON 2 SL	700.0	GA/HA	40	FLOzPr/A	A	PREPOS	100 a	75 ab	100 a	88 a	5 a	3 ab	100 a	86 bcd	0 a	0 a	0 a	56 b	100 a
	2,4-D ESTER 3.8 EC (AE)	533.0	GAE/HA	16	FLOzPr/A	A	PREPOS													
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS													
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	B	EAPOCR													
5	GRAMOXONE INTEON 2 SL	840.0	GA/HA	48	FLOzPr/A	A	PREPOS	96 a	90 ab	99 a	91 a	3 a	3 ab	100 a	93 ab	0 a	0 a	0 a	54 b	100 a
	2,4-D ESTER 3.8 EC (AE)	533.0	GAE/HA	16	FLOzPr/A	A	PREPOS													
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS													
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	B	EAPOCR													
6	GRAMOXONE INTEON 2 SL	700.0	GA/HA	40	FLOzPr/A	A	PREPOS	100 a	94 a	100 a	96 a	0 a	1 ab	100 a	89 abc	0 a	0 a	0 a	51 bc	100 a
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	A	PREPOS													
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS													
7	GRAMOXONE INTEON 2 SL	840.0	GA/HA	48	FLOzPr/A	A	PREPOS	100 a	97 a	100 a	94 a	3 a	0 b	100 a	87 bc	0 a	0 a	0 a	58 b	100 a
	LEXAR 3.7 SE	3100.0	GA/HA	96	FLOzPr/A	A	PREPOS													
	NIS	0.125	%V/V	0.125	%V/V	A	PREPOS													
8	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	A	PREPOS	39 c	65 b	86 a	86 a	0 a	0 b	88 b	74 e	0 a	0 a	0 a	18 d	51 b
	DEGREE XTRA 4.04 CS	3400.0	GA/HA	96	FLOzPr/A	A	PREPOS													
9	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	A	PREPOS	53 c	65 b	96 a	90 a	3 a	4 ab	99 a	92 ab	0 a	0 a	0 a	93 a	100 a
	2,4-D ESTER 3.8 EC (AE)	533.0	GAE/HA	16	FLOzPr/A	A	PREPOS													
	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	C	POSPOS													
10	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	A	PREPOS	56 bc	74 ab	35 b	90 a	0 a	25 a	70 c	99 a	0 a	0 a	0 a	92 a	69 b
	ROUNDUP WEATHERMAX 4.5 SL (AE)	870.0	GAE/HA	22	FLOzPr/A	C	POSPOS													
	LSD (P=.05)							30.4	24.6	24.3	11.3	9.1	24.4	11.1	10.3	0.0	0.0	0.0	26.0	24.3
	Standard Deviation							20.9	16.9	16.7	7.7	6.2	16.7	7.6	7.1	0.0	0.0	0.0	17.8	16.7
	CV							25.91	21.13	18.56	8.58	194.64	344.25	8.01	8.19	0.0	0.0	0.0	33.25	18.31
	Grand Mean							80.5	79.81	89.86	90.33	3.19	4.86	95.19	86.14	0.0	0.0	0.0	53.53	91.0
	Bartlett's X2							14.77	15.262	36.705	9.899	4.401	54.382	10.16	13.325	0.0	0.0	0.0	11.545	33.518
	P(Bartlett's X2)							0.011*	0.054	0.001*	0.272	0.493	0.001*	0.006*	0.101	.	.	.	0.173	0.001*
	Replicate F							0.648	3.258	0.622	7.113	2.509	1.173	0.502	3.612	0.000	0.000	0.000	5.848	1.779
	Replicate Prob(F)							0.5918	0.0391	0.6078	0.0014	0.0829	0.3407	0.6848	0.0277	1.0000	1.0000	1.0000	0.0038	0.1780
	Treatment F							5.501	1.943	6.373	0.581	1.096	0.856	7.306	5.427	0.000	0.000	0.000	8.513	4.728
	Treatment Prob(F)							0.0005	0.0997	0.0002	0.7833	0.3997	0.5650	0.0001	0.0006	1.0000	1.0000	1.0000	0.0001	0.0014

Means followed by same letter do not significantly differ (P=.05, LSD)
Untreated treatment(s) 1 excluded from analysis.