

LSU Northeast Research Station

Evaluation of Gramoxone Inteon for preplant weed control in corn.

Trial ID: SJ05C004
Location:Study Dir.: HPQ001A4-2005US
Investigator: Bill Williams**GENERAL TRIAL INFORMATION****Study Director:** HPQ001A4-2005US
Investigator: Bill Williams**Conducted Under GLP (Y/N):** N**Conducted Under GEP (Y/N):** N

Conclusions: Gramoxone formulation had little affect on horseweed and primrose control, especially at higher rates. Gramoxone Inteon at 48 to 64 oz/A controlled horseweed less than 8 inches tall 92 to 95%, while horseweed control from 40 oz/A Gramoxone Inteon was only 83%. Gramoxone did not control horseweed taller than 8 inches. Tank mixing Gramoxone with 2,4-D did little to improve horseweed control. Horseweed control was improved when Gramoxone was tank mixed with Lexar. Differences in cool season weed (horseweed and primrose) control were not observed two weeks after Lexar was applied in treatments not receiving Lexar before planting. Overall, Gramoxone tank mixes with Lexar were superior to Roundup plus Degree Extra and resulted in excellent control of horseweed, primrose, signalgrass, sicklepod and prickly sida. Differences in signalgrass, sicklepod and prickly sida control were minimal from Lexar applied one week before planting compared to postemergence (V2) applications. Still, corn yield was generally higher when Lexar was applied preplant vs postemergence. The best corn yields were observed in plots treated with 48 to 64 oz/A Gramoxone Inteon plus 3 qt/A Lexar.

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	LAMAM Henbit	Lamium amplexicaule
2.	RUMCR Curly dock	Rumex crispus
3.	OEOLA Eveningprimrose, cutleaf	Oenothera laciniata
4.	POAAN Annual bluegrass	Poa annua
5.	VERPE Persian speedwell	Veronica persica
6.	CYPES Nutsedge, yellow	Cyperus esculentus
7.	BRAPP Signalgrass, broadleaf	Brachiaria platyphylla
8.	SIDSP Sida, prickly	Sida spinosa
9.	COPDI Swinecress	Coronopus didymus
10.	STEME Common chickweed	Stellaria media
11.	IPOHE Morningglory, entireleaf	Ipomoea hederacea
12.	CASOB Sickle pod	Cassia obtusifolia

Crop 1: ZEAMX CORN, FIELD**Variety:** Gensis 2A16RR**Planting Date:** 4/10/05**Planting Method:** HILL DROP**Rate:** 30000 LB/A**Depth:** 2 "**Row Spacing:** 40 "**Seed Bed:** ROUGH/TRASHY**Soil Moisture:** NORMAL**Emergence Date:** 4/19/05**SITE AND DESIGN****Plot Width, Unit:** 13.3 FT**Plot Length, Unit:** 30 FT**Reps:** 3**Site Type:** FIELD**Tillage Type:** NO-TILL**Study Design:** RANDOMIZED COMPLETE BLOCK**SOIL DESCRIPTION**

% Sand: 18	% OM: 1.6	Texture: Silty clay loam
% Silt: 46	pH: 6.1	Soil Name: Tunica
% Clay: 36	CEC: 15.4	Fert. Level: EXCELLENT

LSU Northeast Research Station

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	4/12/05	3:00 PM	0.88	in	Rainfall	0	n/a
2.	4/26/05	3:00 AM	1.04	in	Rainfall	0	n/a
3.	4/27/05	8:30 AM	0.04	in	Rainfall	0	n/a
4.	4/30/05	3:00 AM	0.21	in	Rainfall	0	n/a
5.	5/10/05	6:30 PM	0.25	in	Rainfall	0	n/a
6.	5/15/05	5:30 PM	0.46	in	Rainfall	0	n/a
7.	5/25/05	8:00 PM	0.78	in	Rainfall	0	n/a
8.	5/29/05	1:00 AM	0.63	in	Rainfall	0	n/a
9.	5/30/05	11:00 A	1.51	in	Rainfall	0	n/a
10.	5/31/05	8:00 PM	0.26	in	Rainfall	0	n/a
11.	6/2/05	4:00 PM	0.04	in	Rainfall	0	n/a
12.	6/6/05	7:00 PM	0.39	in	Rainfall	0	n/a
13.	6/18/05	11:00 A	0.42	in	Rainfall	0	n/a
14.	7/3/04	6:00 PM	0.06	in	Rainfall	0	n/a
15.	7/6/05	1:30 PM	1.6	in	Rainfall	0	n/a
16.	7/8/05	1:45 PM	0.93	in	Rainfall	0	n/a
17.	7/10/05	1:00 PM	0.04	in	Rainfall	0	n/a
18.	7/14/05	2:00 PM	0.44	in	Rainfall	0	n/a
19.	7/16/05	10:00 P	0.04	in	Rainfall	0	n/a
20.	7/17/05	1:00 PM	0.25	in	Rainfall	0	n/a
21.	7/18/05	7:00 PM	0.05	in	Rainfall	0	n/a
22.	7/22/05	2:30 PM	0.15	in	Rainfall	0	n/a
23.	8/4/05	3:30 PM	0.27	in	Rainfall	0	n/a
24.	8/5/05	8:00 PM	0.45	in	Rainfall	0	n/a
25.	8/6/05	6:00 PM	0.25	in	Rainfall	0	n/a
26.	8/16/05	6:00 PM	1.31	in	Rainfall	0	n/a
27.	8/22/05	9:00 PM	0.05	in	Rainfall	0	n/a

Closest Weather Station: Northeast Research Station

Distance: 0.5

Unit: MI

APPLICATION DESCRIPTION

	A	B
Application Date:	4/2/05	4/22/05
Time of Day:	1:00	11:00
Application Method:	SPRAY	SPRAY
Application Timing:	1WAA	S-V2
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	68 F	81 F
% Relative Humidity:	24	60
Wind Velocity, Unit:	10 NE	6 S
Soil Temp., Unit:	68 F	84 F
Soil Moisture:	moist	dry
% Cloud Cover:	0	40

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX n/a	ZEAMX 2 lf
Stage Scale:	n/a	1 in

LSU Northeast Research Station

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	LAMAM n/a	LAMAM n/a
Stage Scale:	4-6"	n/a
Weed 2 Code, Stage:	RUMCR n/a	RUMCR n/a
Stage Scale:	6-18"	n/a
Weed 3 Code, Stage:	OEOLA n/a	OEOLA n/a
Stage Scale:	2-3"	n/a
Weed 4 Code, Stage:	POAAN n/a	POAAN n/a
Stage Scale:	3-4"	n/a
Weed 5 Code, Stage:	VERPE n/a	VERPE n/a
Stage Scale:	3-4"	n/a
Weed 6 Code, Stage:	CYPES n/a	CYPES n/a
Stage Scale:	3-4"	n/a
Weed 7 Code, Stage:	BRAPP n/a	BRAPP 3-4 lf
Stage Scale:	n/a	1-2 in
Weed 8 Code, Stage:	SIDSP n/a	SIDSP cot
Stage Scale:	n/a	0.5 in
Weed 9 Code, Stage:	COPDI n/a	COPDI n/a
Stage Scale:	2-3"	n/a
Weed10 Code, Stage:	STEME n/a	STEME n/a
Stage Scale:	3-4"	n/a
Weed11 Code, Stage:	IPOHE n/a	IPOHE 1 lf
Stage Scale:	n/a	1 in
Weed12 Code, Stage:	CASOB n/a	CASOB 1 lf
Stage Scale:	n/a	1 in

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	Tractor	Tractor
Operating Pressure:	34	34
Nozzle Type:	Ven.	Ven.
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20 "	20 "
Nozzles/Row:	2	2
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA
Propellant:	CO2	CO2

LSU Northeast Research Station

Evaluation of Gramoxone Inteon for preplant weed control in corn.

Trial ID: SJ05C004
 Location:

Study Dir.: HPQ001A4-2005US
 Investigator: Bill Williams

Weed Code	ERICA	ERICA	ERICA	ERICA
Crop Code	> 8 in	< 8 in		
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	4/8/05	4/8/05	4/28/05	5/11/05
Trt-Eval Interval	6 DA-A	6 DA-A	6 DA-B	19 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Grow	1	2	3	4
		Rate Unit	Stg				
1	nontreated			0	e 0	e 0	e 0 d
2	Gramoxone Inteon NIS	40 OZ/A	1WPP	43	d 83	c 73	d 85 c
	Lexar	3 QT/A	S-V2				
3	Gramoxone Inteon NIS	48 OZ/A	1WPP	57	bc 92	ab 73	d 92 abc
	Lexar	3 QT/A	S-V2				
4	Gramoxone Inteon NIS	64 OZ/A	1WPP	75	a 95	a 73	d 88 abc
	Lexar	3 QT/A	S-V2				
5	Gramoxone Inteon 2,4-D Ester NIS	40 OZ/A	1WPP	50	cd 88	bc 83	bc 90 abc
	Lexar	16 OZ/A	1WPP				
	Lexar	3 QT/A	S-V2				
6	Gramoxone Inteon 2,4-D Ester NIS	48 OZ/A	1WPP	63	b 93	ab 82	c 93 ab
	Lexar	16 OZ/A	1WPP				
	Lexar	3 QT/A	S-V2				
7	Gramoxone Inteon 2,4-D Ester NIS	64 OZ/A	1WPP	80	a 95	a 88	abc 95 a
	Lexar	16 OZ/A	1WPP				
	Lexar	3 QT/A	S-V2				
8	Gramoxone Inteon NIS	40 OZ/A	1WPP	80	a 95	a 92	a 95 a
	Lexar	3 QT/A	1WPP				
	Lexar	0.25 % V/V	1WPP				
9	Gramoxone Inteon NIS	48 OZ/A	1WPP	77	a 95	a 95	a 95 a
	Lexar	3 QT/A	1WPP				
	Lexar	0.25 % V/V	1WPP				
10	Gramoxone Inteon NIS	64 OZ/A	1WPP	83	a 95	a 83	bc 92 abc
	Lexar	3 QT/A	1WPP				
	Lexar	0.25 % V/V	1WPP				

LSU Northeast Research Station

Weed Code	ERICA	ERICA	ERICA	ERICA
Crop Code	> 8 in	< 8 in		
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	4/8/05	4/8/05	4/28/05	5/11/05
Trt-Eval Interval	6 DA-A	6 DA-A	6 DA-B	19 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4	
11	Roundup Weathermax Degree Xtra	22	OZ/A	1WPP	57	bc 67	d 72	d 87	bc
12	Gramoxone Max NIS	27	OZ/A	1WPP	43	d 63	d 83	bc 88	abc
	Lexar	3	QT/A	S-V2					
13	Gramoxone Max NIS	32	OZ/A	1WPP	57	bc 92	ab 90	ab 93	ab
	Lexar	3	QT/A	S-V2					
14	Gramoxone Max NIS	43	OZ/A	1WPP	57	bc 90	ab 92	a 92	abc
	Lexar	3	QT/A	S-V2					
LSD (P=.05)					9.6	5.6	8.0	6.9	
Bartlett's X2					3.96	3.04	5.81	7.191	
P(Bartlett's X2)					0.984	0.881	0.886	0.617	

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code	ERICA	ERICA	OEOLA	OEOLA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	5/26/05	7/27/05	4/8/05	4/28/05
Trt-Eval Interval	34 DA-B	96 DA-B	6 DA-A	6 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	5	6	7	8
1	nontreated				0	c 0	c 0	d 0
2	Gramoxone Inteon	40	OZ/A	1WPP	95	a 88	ab 93	a 92
	NIS	0.25	% V/V	1WPP				ab
	Lexar	3	QT/A	S-V2				
3	Gramoxone Inteon	48	OZ/A	1WPP	93	a 92	ab 95	a 93
	NIS	0.25	% V/V	1WPP				a
	Lexar	3	QT/A	S-V2				
4	Gramoxone Inteon	64	OZ/A	1WPP	95	a 92	ab 95	a 92
	NIS	0.25	% V/V	1WPP				ab
	Lexar	3	QT/A	S-V2				
5	Gramoxone Inteon	40	OZ/A	1WPP	93	a 92	ab 93	a 92
	2,4-D Ester	16	OZ/A	1WPP				ab
	NIS	0.25	% V/V	1WPP				
	Lexar	3	QT/A	S-V2				
6	Gramoxone Inteon	48	OZ/A	1WPP	93	a 87	b 93	a 92
	2,4-D Ester	16	OZ/A	1WPP				ab
	NIS	0.25	% V/V	1WPP				
	Lexar	3	QT/A	S-V2				
7	Gramoxone Inteon	64	OZ/A	1WPP	95	a 92	ab 95	a 93
	2,4-D Ester	16	OZ/A	1WPP				a
	NIS	0.25	% V/V	1WPP				
	Lexar	3	QT/A	S-V2				
8	Gramoxone Inteon	40	OZ/A	1WPP	95	a 88	ab 95	a 95
	Lexar	3	QT/A	1WPP				a
	NIS	0.25	% V/V	1WPP				
9	Gramoxone Inteon	48	OZ/A	1WPP	93	a 92	ab 95	a 95
	Lexar	3	QT/A	1WPP				a
	NIS	0.25	% V/V	1WPP				
10	Gramoxone Inteon	64	OZ/A	1WPP	95	a 92	ab 95	a 95
	Lexar	3	QT/A	1WPP				a
	NIS	0.25	% V/V	1WPP				
11	Roundup Weathermax	22	OZ/A	1WPP	88	b 92	ab 72	c 90
	Degree Xtra	3	QT/A	1WPP				ab

LSU Northeast Research Station

Weed Code	ERICA	ERICA	OEOLA	OEOLA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	5/26/05	7/27/05	4/8/05	4/28/05
Trt-Eval Interval	34 DA-B	96 DA-B	6 DA-A	6 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt	Treatment	Rate	Grow	5	6	7	8	
No.	Name	Rate Unit	Stg					
12	Gramoxone Max NIS Lexar	27 OZ/A 0.25 % V/V 3 QT/A	1WPP 1WPP S-V2	95	a 92	ab 83	b 92	ab
13	Gramoxone Max NIS Lexar	32 OZ/A 0.25 % V/V 3 QT/A	1WPP 1WPP S-V2	95	a 93	a 90	a 92	ab
14	Gramoxone Max NIS Lexar	43 OZ/A 0.25 % V/V 3 QT/A	1WPP 1WPP S-V2	95	a 93	a 95	a 87	b
LSD (P=.05)				4.3	5.8	5.3	5.6	
Bartlett's X2				3.777	8.14	4.984	6.863	
P(Bartlett's X2)				0.437	0.774	0.418	0.651	

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code	OEOLA	BRAPP	BRAPP	BRAPP
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	5/26/05	4/8/05	4/28/05	5/11/05
Trt-Eval Interval	34 DA-B	6 DA-A	6 DA-B	19 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	9	10	11	12
1	nontreated				0	c 0	b 0	c 0
2	Gramoxone Inteon	40	OZ/A	1WPP	95	a 0	b 95	a 95
	NIS	0.25	% V/V	1WPP				
	Lexar	3	QT/A	S-V2				
3	Gramoxone Inteon	48	OZ/A	1WPP	95	a 0	b 95	a 92
	NIS	0.25	% V/V	1WPP				
	Lexar	3	QT/A	S-V2				
4	Gramoxone Inteon	64	OZ/A	1WPP	95	a 0	b 95	a 93
	NIS	0.25	% V/V	1WPP				
	Lexar	3	QT/A	S-V2				
5	Gramoxone Inteon	40	OZ/A	1WPP	95	a 0	b 95	a 93
	2,4-D Ester	16	OZ/A	1WPP				
	NIS	0.25	% V/V	1WPP				
	Lexar	3	QT/A	S-V2				
6	Gramoxone Inteon	48	OZ/A	1WPP	95	a 0	b 95	a 95
	2,4-D Ester	16	OZ/A	1WPP				
	NIS	0.25	% V/V	1WPP				
	Lexar	3	QT/A	S-V2				
7	Gramoxone Inteon	64	OZ/A	1WPP	95	a 0	b 92	b 95
	2,4-D Ester	16	OZ/A	1WPP				
	NIS	0.25	% V/V	1WPP				
	Lexar	3	QT/A	S-V2				
8	Gramoxone Inteon	40	OZ/A	1WPP	95	a 95	a 95	a 93
	Lexar	3	QT/A	1WPP				
	NIS	0.25	% V/V	1WPP				
9	Gramoxone Inteon	48	OZ/A	1WPP	93	b 95	a 95	a 92
	Lexar	3	QT/A	1WPP				
	NIS	0.25	% V/V	1WPP				
10	Gramoxone Inteon	64	OZ/A	1WPP	95	a 95	a 95	a 93
	Lexar	3	QT/A	1WPP				
	NIS	0.25	% V/V	1WPP				
11	Roundup Weathermax	22	OZ/A	1WPP	95	a 95	a 95	a 88
	Degree Xtra	3	QT/A	1WPP				

LSU Northeast Research Station

Weed Code	OEOLA	BRAPP	BRAPP	BRAPP
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	5/26/05	4/8/05	4/28/05	5/11/05
Trt-Eval Interval	34 DA-B	6 DA-A	6 DA-B	19 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	9	10	11	12
12	Gramoxone Max NIS	27	OZ/A	1WPP	95	a 0	b 95	a 95
	Lexar	3	QT/A	S-V2				
13	Gramoxone Max NIS	32	OZ/A	1WPP	95	a 0	b 93	ab 92
	Lexar	3	QT/A	S-V2				
14	Gramoxone Max NIS	43	OZ/A	1WPP	95	a 0	b 95	a 95
	Lexar	3	QT/A	S-V2				
LSD (P=.05)					1.3	0.0	2.8	4.6
Bartlett's X2					0.0	0.0	0.877	3.117
P(Bartlett's X2)					.	.	0.349	0.874

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code	BRAPP	BRAPP	CASOB	CASOB
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	5/26/05	7/27/05	4/8/05	4/28/05
Trt-Eval Interval	34 DA-B	96 DA-B	6 DA-A	6 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	13	14	15	16
1	nontreated				0	c 0	c 0	b 0 c
2	Gramoxone Inteon NIS	40	OZ/A	1WPP	92	a 85	ab 0	b 95 a
	Lexar	3	QT/A	S-V2				
3	Gramoxone Inteon NIS	48	OZ/A	1WPP	87	ab 87	ab 0	b 95 a
	Lexar	3	QT/A	S-V2				
4	Gramoxone Inteon NIS	64	OZ/A	1WPP	92	a 82	b 0	b 95 a
	Lexar	3	QT/A	S-V2				
5	Gramoxone Inteon 2,4-D Ester NIS	40	OZ/A	1WPP	87	ab 87	ab 0	b 95 a
	Lexar	16	OZ/A	1WPP				
	Lexar	3	QT/A	S-V2				
6	Gramoxone Inteon 2,4-D Ester NIS	48	OZ/A	1WPP	87	ab 85	ab 0	b 95 a
	Lexar	16	OZ/A	1WPP				
	Lexar	3	QT/A	S-V2				
7	Gramoxone Inteon 2,4-D Ester NIS	64	OZ/A	1WPP	90	a 83	ab 0	b 95 a
	Lexar	16	OZ/A	1WPP				
	Lexar	3	QT/A	S-V2				
8	Gramoxone Inteon Lexar NIS	40	OZ/A	1WPP	85	ab 83	ab 95	a 95 a
	Lexar	3	QT/A	1WPP				
	NIS	0.25	% V/V	1WPP				
9	Gramoxone Inteon Lexar NIS	48	OZ/A	1WPP	82	ab 83	ab 95	a 95 a
	Lexar	3	QT/A	1WPP				
	NIS	0.25	% V/V	1WPP				
10	Gramoxone Inteon Lexar NIS	64	OZ/A	1WPP	85	ab 87	ab 95	a 95 a
	Lexar	3	QT/A	1WPP				
	NIS	0.25	% V/V	1WPP				
11	Roundup Weathermax Degree Xtra	22	OZ/A	1WPP	78	b 83	ab 95	a 95 a
		3	QT/A	1WPP				

LSU Northeast Research Station

Weed Code			BRAPP	BRAPP	CASOB	CASOB
Crop Code						
Part Rated			PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type			CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit			%	%	%	%
Rating Date			5/26/05	7/27/05	4/8/05	4/28/05
Trt-Eval Interval			34 DA-B	96 DA-B	6 DA-A	6 DA-B
ARM Action Codes						
# Subsamples, Dec.						
Trt	Treatment	Rate	Grow			
No.	Name	Rate Unit	Stg	13	14	15
12	Gramoxone Max	27 OZ/A	1WPP	90	a 85	ab 0
	NIS	0.25 % V/V	1WPP			b 95
	Lexar	3 QT/A	S-V2			a
13	Gramoxone Max	32 OZ/A	1WPP	87	ab 85	ab 0
	NIS	0.25 % V/V	1WPP			b 93
	Lexar	3 QT/A	S-V2			b
14	Gramoxone Max	43 OZ/A	1WPP	90	a 88	a 0
	NIS	0.25 % V/V	1WPP			b 95
	Lexar	3 QT/A	S-V2			a
LSD (P=.05)				10.2	5.2	0.0
Bartlett's X2				10.935	2.808	0.0
P(Bartlett's X2)				0.449	0.971	.

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code	CASOB	CASOB	CASOB	SIDSP			
Crop Code							
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%			
Rating Date	5/11/05	5/26/05	7/27/05	5/11/05			
Trt-Eval Interval	19 DA-B	34 DA-B	96 DA-B	19 DA-B			
ARM Action Codes							
# Subsamples, Dec.							
Trt No.	Treatment Name	Rate	Grow	17	18	19	20
		Rate Unit	Stg				
1	nontreated			0	b 0	c 0	c 0
2	Gramoxone Inteon	40 OZ/A	1WPP	93	a 93	a 92	ab 95
	NIS	0.25 % V/V	1WPP				
	Lexar	3 QT/A	S-V2				
3	Gramoxone Inteon	48 OZ/A	1WPP	95	a 92	a 87	ab 95
	NIS	0.25 % V/V	1WPP				
	Lexar	3 QT/A	S-V2				
4	Gramoxone Inteon	64 OZ/A	1WPP	90	a 95	a 85	b 95
	NIS	0.25 % V/V	1WPP				
	Lexar	3 QT/A	S-V2				
5	Gramoxone Inteon	40 OZ/A	1WPP	95	a 95	a 88	ab 95
	2,4-D Ester	16 OZ/A	1WPP				
	NIS	0.25 % V/V	1WPP				
	Lexar	3 QT/A	S-V2				
6	Gramoxone Inteon	48 OZ/A	1WPP	90	a 93	a 88	ab 95
	2,4-D Ester	16 OZ/A	1WPP				
	NIS	0.25 % V/V	1WPP				
	Lexar	3 QT/A	S-V2				
7	Gramoxone Inteon	64 OZ/A	1WPP	95	a 95	a 92	ab 95
	2,4-D Ester	16 OZ/A	1WPP				
	NIS	0.25 % V/V	1WPP				
	Lexar	3 QT/A	S-V2				
8	Gramoxone Inteon	40 OZ/A	1WPP	95	a 93	a 88	ab 95
	Lexar	3 QT/A	1WPP				
	NIS	0.25 % V/V	1WPP				
9	Gramoxone Inteon	48 OZ/A	1WPP	95	a 82	b 92	ab 92
	Lexar	3 QT/A	1WPP				
	NIS	0.25 % V/V	1WPP				
10	Gramoxone Inteon	64 OZ/A	1WPP	95	a 92	a 85	b 95
	Lexar	3 QT/A	1WPP				
	NIS	0.25 % V/V	1WPP				
11	Roundup Weathermax	22 OZ/A	1WPP	95	a 90	ab 85	b 95
	Degree Xtra	3 QT/A	1WPP				

LSU Northeast Research Station

Weed Code	CASOB	CASOB	CASOB	SIDSP
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	5/11/05	5/26/05	7/27/05	5/11/05
Trt-Eval Interval	19 DA-B	34 DA-B	96 DA-B	19 DA-B
ARM Action Codes				
# Subsamples, Dec.				
Trt Treatment	Rate	Grow		
No. Name	Rate Unit	Stg	17	18
12 Gramoxone Max	27 OZ/A	1WPP	95	a 90
NIS	0.25 % V/V	1WPP		ab 92
Lexar	3 QT/A	S-V2		ab 95
13 Gramoxone Max	32 OZ/A	1WPP	95	a 95
NIS	0.25 % V/V	1WPP		a 88
Lexar	3 QT/A	S-V2		ab 95
14 Gramoxone Max	43 OZ/A	1WPP	95	a 93
NIS	0.25 % V/V	1WPP		a 93
Lexar	3 QT/A	S-V2		a 95
LSD (P=.05)			5.5	9.9
Bartlett's X2			2.216	14.308
P(Bartlett's X2)			0.33	0.074
				0.811
				.

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code				SIDSP	SIDSP	ZEAMX		ZEAMX	
Crop Code				PLATOT P	PLATOT P	GRAIN C	GRAIN C		
Part Rated				CONTROL	CONTROL	lb/plt	Bu/A		
Rating Data Type				%	%	12% Mst	15% Mst		
Rating Unit				5/26/05	7/27/05	2/8/05	2/8/05		
Trt-Eval Interval				34 DA-B	96 DA-B				
ARM Action Codes								TY1	
# Subsamples, Dec.								0	
Trt No.	Treatment Name	Rate	Grow	21	22	23	24		
		Rate Unit	Stg						
1	nontreated			0	c 0	c 0	g 0	g	
2	Gramoxone Inteon NIS	40 OZ/A	1WPP	95	a 92	ab 17	e 108	e	
	Lexar	0.25 % V/V	1WPP						
3	Gramoxone Inteon NIS	48 OZ/A	1WPP	95	a 90	ab 19	de 119	de	
	Lexar	0.25 % V/V	1WPP						
	Lexar	3 QT/A	S-V2						
4	Gramoxone Inteon NIS	64 OZ/A	1WPP	95	a 92	ab 23	bc 144	bc	
	Lexar	0.25 % V/V	1WPP						
	Lexar	3 QT/A	S-V2						
5	Gramoxone Inteon 2,4-D Ester	40 OZ/A	1WPP	95	a 92	ab 14	f 91	f	
	NIS	16 OZ/A	1WPP						
	Lexar	0.25 % V/V	1WPP						
	Lexar	3 QT/A	S-V2						
6	Gramoxone Inteon 2,4-D Ester	48 OZ/A	1WPP	95	a 92	ab 21	cd 133	cd	
	NIS	16 OZ/A	1WPP						
	Lexar	0.25 % V/V	1WPP						
	Lexar	3 QT/A	S-V2						
7	Gramoxone Inteon 2,4-D Ester	64 OZ/A	1WPP	95	a 92	ab 17	ef 106	ef	
	NIS	16 OZ/A	1WPP						
	Lexar	0.25 % V/V	1WPP						
	Lexar	3 QT/A	S-V2						
8	Gramoxone Inteon Lexar	40 OZ/A	1WPP	95	a 88	b 20	cd 129	cd	
	NIS	3 QT/A	1WPP						
	Lexar	0.25 % V/V	1WPP						
9	Gramoxone Inteon Lexar	48 OZ/A	1WPP	90	b 92	ab 25	ab 157	ab	
	NIS	3 QT/A	1WPP						
	Lexar	0.25 % V/V	1WPP						
10	Gramoxone Inteon Lexar	64 OZ/A	1WPP	95	a 92	ab 25	a 161	a	
	NIS	3 QT/A	1WPP						
	Lexar	0.25 % V/V	1WPP						
11	Roundup Weathermax Degree Xtra	22 OZ/A	1WPP	95	a 92	ab 22	c 138	c	
		3 QT/A	1WPP						

LSU Northeast Research Station

Weed Code	SIDSP	SIDSP							
Crop Code						ZEAMX	ZEAMX		
Part Rated	PLATOT P	PLATOT P	GRAIN C	GRAIN C					
Rating Data Type	CONTROL	CONTROL	lb/plt	Bu/A					
Rating Unit	%	%	12% Mst	15% Mst					
Rating Date	5/26/05	7/27/05	2/8/05	2/8/05					
Trt-Eval Interval	34 DA-B	96 DA-B							
ARM Action Codes							TY1		
# Subsamples, Dec.							0		
Trt Treatment	Rate	Grow							
No. Name	Rate Unit	Stg	21	22	23	24			
12 Gramoxone Max	27 OZ/A	1WPP	95	a 92	ab 17	ef 106	ef		
NIS	0.25 % V/V	1WPP							
Lexar	3 QT/A	S-V2							
13 Gramoxone Max	32 OZ/A	1WPP	95	a 93	a 17	e 110	e		
NIS	0.25 % V/V	1WPP							
Lexar	3 QT/A	S-V2							
14 Gramoxone Max	43 OZ/A	1WPP	95	a 93	a 21	c 136	c		
NIS	0.25 % V/V	1WPP							
Lexar	3 QT/A	S-V2							
LSD (P=.05)			3.9	3.7	2.6	16.7			
Bartlett's X2			0.0	5.114	3.386	3.386			
P(Bartlett's X2)			.	0.926	0.992	0.992			

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Column 24: TY1 = 6.354541*[23]