
WEED SCIENCE

2008 Annual Research Report

James L. Griffin, Joseph M. Boudreaux, Mariana Bittencourt, and Jose Mite

School of Plant, Environmental, and Soil Sciences

104 Sturgis Hall
Baton Rouge, LA 70803



William B. Richardson, Chancellor
David J. Boethel, Vice Chancellor & Director,
Louisiana Agricultural Experiment Station

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Introduction

Louisiana can be divided into several areas based on cropping systems, climatic conditions, soil types, and pH. These factors are important in selecting specific herbicides and rates and can directly affect herbicide efficacy, crop safety, and injury to rotational crops. South Louisiana has an abundance of weed species, some not commonly found in other areas of the state. Climatic conditions are favorable for prolific weed growth and subsequent competition with crops. Weed control programs including mechanical cultivation, crop rotation, and herbicides are used, but herbicides serve as the foundation for weed control programs. Steady progress has been made in the development of effective herbicides with crop safety. Research and extension personnel with the LSU AgCenter work cooperatively with agricultural companies to evaluate new herbicides for weed control and crop tolerance as well as their effect on rotational crops.

This progress report summarizes weed research conducted in sugarcane and soybeans during the 2008 growing season. Results of herbicide efficacy and crop tolerance studies are presented. Results are preliminary since evaluation of some of the herbicides is limited. Data presented in this report should not be considered as an endorsement or recommendation of any herbicide and should not be reproduced without permission. Registration by the Environmental Protection Agency is required before any herbicide can be legally used.

Rainfall data for the 2008 growing season are shown in Tables 1 and 2. Herbicides and adjuvants evaluated are presented in Table 3. Selected weed areas at the Ben Hur Research Farm, the Sugar Research Station, and at several off-station sites have been managed to encourage uniform weed populations. Weed species evaluated for control are presented in Table 4. Specific information on location, soil type, variety, row spacing, treatment date, sprayer type, etc. for all experiments is presented followed by a table of experimental results. Data were summarized and statistically analyzed using Agriculture Research Manager (ARM) by Gylling Data Management, Inc., Brookings, South Dakota. Control and crop injury ratings for all experiments are based on a scale of 0 to 100%, where 0 equals no control or crop injury and 100% equals complete control or crop injury. Injury ratings are based on chlorosis, necrosis, and stand and height reductions. Where appropriate, crop yields were obtained. Soybean yields are adjusted to 13% moisture. Miscellaneous abbreviations used in this report are shown in Table 5.

For additional information concerning research activities presented in this report contact James L. Griffin, School of Plant, Environmental, and Soil Sciences, 104 Sturgis Hall, Baton Rouge, LA 70803, (225) 578-1768, or by e-mail at jgriffin@agcenter.lsu.edu. This report is also available on the LSU AgCenter web site http://www.lsuagcenter.com/en/our_offices/departments/SPSS/Weed+Science/Weed+Science+Annual+Reports.htm

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FMC Corporation
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Syngenta Crop Protection
Valent USA
United Phosphorus, Inc.
Cheminova, Inc.
BASF Corporation
ISK Biosciences

Table 1. Rainfall for the 2008 growing season (March - September) at the Ben Hur Research Farm, Baton Rouge, LA.

Day	Month						
	March	April	May	June	July	August	September
	inches						
1	-	0.04	-	-	-	0.47	3.69
2	-	0.97	0.02	-	-	-	2.52
3	1.10	0.01	1.12	-	1.41	0.05	0.14
4	-	0.11	-	-	0.11	-	0.85
5	-	0.21	-	-	-	0.13	-
6	0.27	-	-	0.05	-	0.01	-
7	0.14	-	-	-	-	-	-
8	-	-	-	0.11	0.09	0.05	-
9	-	-	-	-	0.01	0.01	-
10	0.39	-	-	0.06	-	-	-
11	0.21	0.54	-	-	-	0.27	0.01
12	-	-	-	0.26	-	0.03	1.32
13	-	-	-	-	-	0.46	-
14	-	-	2.65	0.01	0.05	-	0.20
15	-	-	2.36	-	-	0.02	0.05
16	-	-	0.14	-	-	0.03	-
17	-	-	-	0.08	0.09	-	-
18	-	0.13	-	-	0.01	1.54	-
19	0.35	0.01	-	-	-	0.34	0.06
20	-	-	-	-	-	-	0.04
21	-	-	-	0.17	0.03	0.02	0.20
22	-	-	0.68	-	0.03	-	0.01
23	-	-	-	0.21	0.21	0.01	-
24	-	-	-	-	1.90	2.04	-
25	-	-	-	0.02	-	0.01	-
26	-	0.16	-	0.06	-	0.01	-
27	-	0.90	-	0.13	-	-	-
28	-	-	-	0.38	-	-	-
29	0.02	-	-	0.01	-	-	-
30	0.01	-	-	-	0.05	-	-
31	-	-	-	-	1.20	0.21	-
Total	2.49	3.03	6.97	1.55	5.19	5.71	9.09

Table 2. Rainfall for the 2008 growing season (March - September) at the Sugar Research Station, St. Gabriel, LA.

Day	Month						
	March	April	May	June	July	August	September
	inches						
1	0.02	-	-	0.01	-	0.94	2.66
2	0.01	0.01	0.02	-	-	0.01	0.19
3	0.05	0.02	1.28	-	0.07	0.02	0.01
4	0.01	0.04	-	-	-	0.32	0.09
5	-	0.48	-	-	-	0.43	-
6	0.20	-	-	-	-	0.01	-
7	0.13	0.01	-	-	-	-	-
8	-	-	-	-	-	0.05	0.02
9	0.01	-	-	-	-	-	0.01
10	0.02	-	-	0.22	0.06	-	-
11	0.31	-	-	0.24	-	0.02	0.08
12	-	-	-	0.62	-	0.17	0.37
13	-	-	-	0.02	-	1.00	-
14	-	-	0.82	-	0.10	-	0.10
15	-	-	2.49	-	-	0.18	0.16
16	-	-	0.20	-	-	0.85	-
17	-	-	-	-	1.16	0.01	-
18	-	0.10	0.01	0.01	-	0.15	-
19	0.26	0.01	-	-	-	2.59	0.04
20	-	-	-	-	-	0.01	0.15
21	-	-	-	-	-	-	0.01
22	-	-	0.38	-	-	-	-
23	-	-	0.03	-	0.31	0.01	-
24	-	-	-	-	0.16	2.11	-
25	-	-	-	-	-	0.22	-
26	-	0.09	-	0.06	-	-	-
27	-	0.07	-	0.52	-	-	-
28	-	0.01	-	0.02	-	-	-
29	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
31	-	-	0.06	-	0.38	0.23	-
Total	1.02	0.84	5.29	1.72	2.24	9.33	3.89

Table 3. Herbicides and adjuvants evaluated in soybeans, sugarcane, corn.

Trade name	Common name	Manufacturer
2, 4-D Amine 4	2,4-D	Nufarm T&S
2,4-D Ester	2,4-D	
Aatrex	atrazine	Syngenta
AgriDex	crop oil concentrate	Helena
Ammonium sulfate	-	American Plant Food Corp.
Asulox, Asulox XP	asulam	UPI
Authority MTZ	sulfentrazone + metribuzin	FMC
Bicep II Magnum	metolachlor + atrazine	Syngenta
Callisto	mesotrione	Syngenta
Canopy	chlorimuron + metribuzin	DuPont
Clarity	dicamba	BASF
Classic	chlorimuron	DuPont
Command	clomazone	FMC
Direx	diuron	Griffin
Diuron	diuron	Agrisolutions
Distinct	diflufenzopyr + dicamba	BASF
Dual II Magnum	metolachlor	Syngenta
DuPont K4	hexazinone + diuron	Syngenta
Envoke	trifloxysulfuron – sodium	Syngenta
Eptam	EPTC	Gowan
Evik	ametryn	Syngenta
Express XP	Tribenuron	DuPont
FirstRate	cloransulam	Dow Agrosiences
Flexstar	fomesafen	Syngenta

Continued.

Table 3. Continued.

Trade name	Common name	Manufacturer
Gramoxone Inteon	paraquat	Syngenta
Harmony GT	thifensulfuron	Dupont
Harness Extra	acetochlor + atrazine	Monsanto
Induce	nonionic surfactant	Helena
Karmex	diuron	DuPont
Karmex XP	diuron	DuPont
Liberty	glufosinate	Bayer Crop Science
Lumax	metolachlor + atrazine + mesotrione	Syngenta
Metri DF	metribuzin	UPI
Palisade	Trinexapac	Syngenta
Prefix	metolachlor + fomesafen	Syngenta
Permit	halosulfuron	Gowan
Prowl/Prowl H ₂ O	pendimethalin	BASF
Resource	flumiclorac	Valent
Roundup Original Max	glyphosate	Monsanto
Roundup Power Max	glyphosate	Monsanto
Roundup Weather Max	glyphosate	Monsanto
Sencor	metribuzin	Bayer CropScience
Sequence	glyphosate + metolachlor	Syngenta
Sinbar	terbacil	DuPont
SL-160	flazasulfuron	ISK Biosciences
Sodium Chlorate	-	Helena
Spartan	sulfentrazone	FMC
Synchrony XP	chlorimuron + thifensulfuron	Dupont

Continued.

Table 3. Continued.

Trade name	Common name	Manufacturer
Touchdown Total	glyphosate	Syngenta
Treflan	trifluralin	Dow AgroSciences
Ultra Blazer	acifluorfen	United Phosphorus Inc.
V-10206	-	Valent USA
Valor SX	flumioxazin	Valent USA
Velpar	hexazinone	DuPont
Weedmaster	2,4-D + dicamba	NuFarm
Yukon	halosulfuron + dicamba	Gowan

Table 4. Bayer codes and scientific names of weed species evaluated.

Common name	WSSA abbreviation	Scientific name
annual bluegrass	POAAN	<i>Poa annua</i> L.
annual sedge	CYPCP	<i>Cyperus compressus</i> L.
barnyardgrass	ECHCG	<i>Echinochloa crus-galli</i> (L.) Beauv.
bermudagrass	CYNDA	<i>Cynodon dactylon</i> (L.) Pers.
broadleaf signalgrass	BRAPP	<i>Brachiaria platyphylla</i> (Griseb.) Nash
buttercup species	RANSS	<i>Ranunculus</i> species
carpetweed	MOLVE	<i>Mollugo verticillata</i> L.
Carolina geranium	GERCA	<i>Geranium carolinianum</i> L.
common purslane	POROL	<i>Portulacca oleracea</i> L.
curly dock	RUMCR	<i>Rumex crispus</i> L.
cutleaf eveningprimrose	OEOLA	<i>Oenothera laciniata</i> Hill
cutleaf groundcherry	PHYAN	<i>Physalis angulata</i> L.
entireleaf morningglory	IPOHG	<i>Ipomoea hederacea</i> var. <i>integriuscula</i> Gray
fall panicum	PANDI	<i>Panicum dichotomiflorum</i> Michx.
foxtail	SETSP	<i>Setaria</i> species
goosegrass	ELEIN	<i>Eluecine indica</i>
groundcherry	PHYSS	<i>Physalis</i> species
henbit	LAMAM	<i>Lamium amplexicaule</i> L.
hemp sesbania	SEBEX	<i>Sesbania exaltata</i> (Raf.) Rybd. ex A. W. Hill
hophornbeam copperleaf	ACCOS	<i>Acalypha ostryifolia</i> Riddell
itchgrass	ROOEX	<i>Rottboellia cochinchinensis</i> (Lour.) Clayton
ivyleaf morningglory	IPOHE	<i>Ipomoea hederacea</i> (L.) Jacq.
johnsongrass	SORHA	<i>Sorghum halepense</i> (L.) Pers.
large crabgrass	DIGSA	<i>Digitaria sanguinalis</i> (L.) Scop.

Continued.

Table 4. Continued.

Common name	WSSA abbreviation	Scientific name
little barley	HORPU	<i>Hordeum pusillum</i> Nuttall.
medicago (clover)	MEDSS	<i>Medicago</i> species
morningglory species	IPOSS	<i>Ipomoea</i> species
mouseear chickweed	CERVU	<i>Cerastium vulgatum</i> L.
nutsedge	CYPSS	<i>Cyperus</i> species
pitted morningglory	IPOLA	<i>Ipomoea lacunosa</i> L.
prickly sida	SIDSP	<i>Sida spinosa</i> L.
purple nutsedge	CYPRO	<i>Cyperus rotundus</i> L.
purslane speedwell	VERPG	<i>Veronica peregrina</i> L.
red morningglory	IPOCC	<i>Ipomoea coccinea</i> L.
red sprangletop	LEFFI	<i>Leptochloa panicea</i> (Retz.) Ohwi
redweed	MEOCO	<i>Melochia corchorifolia</i> L.
ryegrass, Italian	LOLMU	<i>Lolium perenne</i> L. ssp. <i>Multiflorum</i> (Lam.) Husnot
shepherd's-purse	CAPBP	<i>Capsella bursa-pastoris</i> (L.) Medicus
sicklepod	CASOB	<i>Senna obtusifolia</i> L.
smallflower bittercress	CARPA	<i>Cardamine parviflora</i> L.
smallflower morningglory	IAQTA	<i>Jacquemontia tamnifolia</i> (L.) Griseb.
smellmelon	CUMMD	<i>Cucumis melo</i> L. var. <i>dudaim</i> Naud.
spiny sowthistle	SONAS	<i>Sonchus asper</i> (L.) Hill
spotted burclover	MEDAB	<i>Medicago arabica</i> (L.) Huds.
spotted spurge	EPHMA	<i>Chamaesyce maculata</i> (L.) Small
spreading dayflower	COMDI	<i>Commelina diffusa</i> Burm. f.
velvetleaf	ABUTH	<i>Abutilion theophrasti</i> Medik.

Continued.

Table 4. Continued.

Common name	WSSA abbreviation	Scientific name
Virginia pepperweed	LEPVI	<i>Lepidium virginicum</i> L.
wild poinsettia	EPHHL	<i>Euphorbia heterophylla</i> L.
yellow nutsedge	CYPES	<i>Cyperus esculentus</i> L.

Table 5. Miscellaneous abbreviations used in the weed control studies.

ai/A	Active ingredient per acre
Amt	Amount
AS	Aqueous solution
AP	After planting
Bdest	Broadcast application
bu/A	Bushels per acre
B/L	Broadleaf species
CEC	Cation Exchange Capacity
CO ₂ bkpk	CO ₂ -pressurized backpack sprayer
col	Collar
cot	Cotyledon
CV	Coefficient of variation
DAP	Days after planting
DAT	Days after treatment
DBP	Days before planting
DF	Dry flowable
DG	Dispersible granule
EC	Emulsifiable concentrate
F	Flowable
fb	Followed by
FF	Flat fan nozzle
Fm	Formulation
G	Granular
GPA	Gallons per acre
gr cover	Ground cover
Grow stg	Growth stage
ht	Height
ht/collr	Height to top visible collar
ht/lleaf	Height to tip of longest leaf
ht:node	Height to node ratio
in/col	Inches to last visible collar
in/lftp	Inches to tip of longest leaf
lbs	Pounds

Continued.

Table 5. Continued.

lb/A	Pounds of product per acre
lb ae/A	Pounds of acid equivalent per acre
lb ai/A	Pounds active ingredient per acre on broadcast basis
lb/bu	Pounds per bushel
lf	Leaf
L	Liquid
LSD	Least significant difference
ME	Micro-encapsulated
# noz	Number of nozzels
N/A	Not applicable
NAWF	Nodes above white flower
OM	Organic matter
oz/A	Ounces product per acre
p. cloudy	Partly cloudy
PDIR	Postemergence directed
plnt	Plant
popltn	Population
POST (x)	Postemergence overtop application (first, second, etc.)
PPBD	Preplant burndown
PPI	Preplant soil incorporated
pr/A	Product per acre
PRE	Preemergence surface application
psi	Pounds per square inch pressure
rep	Replication
SC	Soluble concentration
sq	Square
std	Standard
til	Tillers
trctrCA	Tractor compressed air
TRS	Theoretical recoverable sugar
V (x)	Refers to soybean growth stage e.g. V4=vegetative with 3 fully expanded trifoliolate leaves

Continued.

Table 5. Continued.

Trt No	Treatment number
v/v	Volume/volume basis
vin	Vining
WAE	Weeks after emergence
WAT	Weeks after treatment
WBP	Weeks before planting
WG	Water dispersible granule
WP	Wettable powder
wt/p	Weight per plant
wt/st	Weight per stem
w/w	Weight/weight basis
% emerg.	Percent panicle emergence

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Evaluation of Diuron at Planting

Experiment number : 08SC01JG
Location..... : Sugar Research Station – St. Gabriel LA
Experimental design : Randomized Complete Block
Number of reps : 4
Plot size : 6X30 ft.
Row width/# per plot : 72"/1
Soil type..... : silt loam
OM (%)..... : 1.0
pH : 5.9
Planting date : 09-04-07
Harvest date : N/A
Crop/Variety : L 99-226
Uniform std. treatment..... : N/A

Application type : PRE
Date applied (mm-dd-yy) : 09-05-07
Time (hh:mm-hh:mm) : 10:00-10:30am
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : 94/85
Wind (mph/direction) : 2-3/N
Cloud cover (%)..... : 80%
Relative humidity (%) : 80%
Soil/Leaf surface moist : Moist/N/A
Crop stage/height : N/A
Sprayer type/mph..... : CO₂bkpk/3.0
Nozzle type/size..... : FF/11002VS
Boom ht/#noz/spacing (in) : 18"/4/18"
GPA/psi (at nozzle) : 15/25
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days :
4-7 days/2nd week :
3rd week/4th week..... :

Comments:
Grass (GRS)= SORHA, ELEIN, and LEFFI
Broadlf (BRLF)= IPOHE and PHYSS

School of Plant, Environmental, and Soil Sciences

Evaluation of Diuron at Planting

Trial ID: 08SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

										GRASS	BROADLF	CANE	GRS/BRLF
										3/Oct/2007	3/Oct/2007	3/Oct/2007	25/Oct/2007
										Control	Control	Injury	Control
										%	%	%	%
										28DAT	28DAT	28DAT	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	Diuron	6.67	SC	2	lb ai/a	2.4	pt/a	PRE	A	99 a	98 a	0 a	90 a
2	Diuron	6.67	SC	2.5	lb ai/a	3	pt/a	PRE	A	99 a	99 a	0 a	91 a
3	Diuron	6.67	SC	2.5	lb ai/a	3	pt/a	PRE	A	100 a	99 a	0 a	89 a
	Prowl	3.3	EC	2.5	lb ai/a	3	qt/a	PRE	A				
4	Direx	4	F	2.5	lb ai/a	5	pt/a	PRE	A	58 b	65 a	0 a	49 b
5	Nontreated									88 a	84 a	0 a	95 a
LSD (P=.05)										26.3	26.5	0.0	9.8
Standard Deviation										17.1	17.2	0.0	6.4
CV										19.3	19.33	0.0	7.72
Grand Mean										88.5	88.9	0.0	82.55
Bartlett's X2										19.076	27.304	0.0	4.251
P(Bartlett's X2)										0.001*	0.001*	.	0.373
Replicate F										1.239	1.330	0.000	1.397
Replicate Prob(F)										0.3386	0.3105	1.0000	0.2914
Treatment F										4.469	2.977	0.000	35.634
Treatment Prob(F)										0.0193	0.0638	1.0000	0.0001

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Evaluation of Diuron at Planting

Trial ID: 08SC01JG
Location: St. Gabriel

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code	GRASS	BROADLF
Crop Code		
Rating Date	29/Nov/2007	29/Nov/2007
Rating Data Type	Control	Control
Rating Unit	%	%

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Form Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code	GRASS	BROADLF
1	Diuron	6.67	SC	2	lb ai/a	2.4	pt/a		PRE	A	74 a	48 ab
2	Diuron	6.67	SC	2.5	lb ai/a	3	pt/a		PRE	A	54 a	53 ab
3	Diuron	6.67	SC	2.5	lb ai/a	3	pt/a		PRE	A	80 a	71 a
	Prowl	3.3	EC	2.5	lb ai/a	3	qt/a		PRE	A		
4	Direx	4	F	2.5	lb ai/a	5	pt/a		PRE	A	16 b	29 b
5	Nontreated										81 a	69 a
LSD (P=.05)											25.6	23.6
Standard Deviation											16.6	15.3
CV											27.25	28.48
Grand Mean											61.0	53.75
Bartlett's X2											13.027	6.606
P(Bartlett's X2)											0.011*	0.158
Replicate F											1.339	2.836
Replicate Prob(F)											0.3078	0.0829
Treatment F											10.819	5.107
Treatment Prob(F)											0.0006	0.0123

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Eptam Fallow Study I

Experiment number : 08SC01JM
 Location..... : Sugar Research Station – St. Gabriel LA
 Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 12X50 ft.
 Row width/# per plot : 72"/2
 Soil type..... : silt loam
 OM (%)..... : 1.0
 pH..... : 5.9
 Planting date : N/A
 Harvest date : N/A
 Crop/Variety : N/A
 Uniform std. treatment..... : N/A

Application type	PRE A	POST B	POST C
Date applied (mm-dd-yy)	06-11-08	07-15-08	7-28-08
Time (hh:mm-hh:mm)	11:00-12:00pm	9:00-9:30am	10:00-10:30am
Incorporation equipment.....	Bedder/Cultivator	N/A	N/A
Incorporation depth.....	2-3"	N/A	N/A
Air/Soil temperature (F)	90/90	88/91	96/92
Wind (mph/direction)	3-5/SE	3-5E	3-6/E
Cloud cover (%).....	65%	0%	30%
Relative humidity (%)	50%	50%	65%
Soil/Leaf surface moist.....	Dry/N/A	Dry/Dry	Dry/Dry
Crop stage/height.....	N/A	N/A	N/A
Sprayer type/mph.....	CO ₂ bkpk/3.0	trctr pto./5.0	trctr pto./5.0
Nozzle type/size.....	FF/11002VS	FF/11003VS	FF/11003VS
Boom ht/#noz/spacing (in)	18"/4/18"	18"/8/18"	18"/8/18"
GPA/psi (at nozzle)	15/25	15/35	15/35
Applied by	Boudreaux	Boudreaux	Boudreaux

Weed species (population/ft²)..: (height/# leaves)
 N/A

Rainfall (in.)
 0-24 hr/1-3 days..... :
 4-7 days/2nd week..... :
 3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Eptam Fallow Study I

Trial ID: 08SC01JM
Location: St. Gabriel

Protocol ID: 08SC01JM
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

										CYNDA	CYNDA
										14/Jul/2008	28/Jul/2008
										GroundCover	GroundCover
										%	%
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl			
No.	Name	Conc	Type	Rate	Unit	Rate	Unit	Stage	Code		
1	Eptam/bedder	7	E	1.75	LB A/A	2	PT/A	PRE	A	23 abc	36 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C		
2	Eptam/bedder	7	E	2.63	LB A/A	3	PT/A	PRE	A	23 abc	40 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C		
3	Eptam/bedder	7	E	3.5	LB A/A	4	PT/A	PRE	A	22 abc	36 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C		
4	Eptam/bedder	7	E	4.38	LB A/A	5	PT/A	PRE	A	15 bc	24 ab
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C		
5	Eptam/cultivator	7	E	1.75	LB A/A	2	PT/A	PRE	A	22 abc	29 ab
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C		
6	Eptam/cultivator	7	E	2.63	LB A/A	3	PT/A	PRE	A	24 abc	34 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C		
7	Eptam/cultivator	7	E	3.5	LB A/A	4	PT/A	PRE	A	16 bc	26 ab
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C		
8	Eptam/cultivator	7	E	4.38	LB A/A	5	PT/A	PRE	A	10 c	21 ab
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C		
9	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	B	38 a	6 b
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	D		
10	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	31 ab	48 a
LSD (P=.05)										12.5	17.7
Standard Deviation										8.6	12.2
CV										38.57	40.62
Grand Mean										22.26	30.0
Bartlett's X2										3.514	15.638
P(Bartlett's X2)										0.94	0.075
Replicate F										3.169	2.839
Replicate Prob(F)										0.0404	0.0567
Treatment F										3.363	3.572
Treatment Prob(F)										0.0069	0.0049

School of Plant, Environmental, and Soil Sciences

Eptam Fallow Study I

Trial ID: 08SC01JM
 Location: St. Gabriel

Protocol ID: 08SC01JM
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code
 Rating Date
 Rating Data Type
 Rating Unit

CYNDA
 14/Aug/2008
 GroundCover
 %

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code	
1	Eptam/bedder	7	E	1.75	LB A/A	2	PT/A	PRE	A	5 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	
2	Eptam/bedder	7	E	2.63	LB A/A	3	PT/A	PRE	A	4 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	
3	Eptam/bedder	7	E	3.5	LB A/A	4	PT/A	PRE	A	3 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	
4	Eptam/bedder	7	E	4.38	LB A/A	5	PT/A	PRE	A	2 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	
5	Eptam/cultivator	7	E	1.75	LB A/A	2	PT/A	PRE	A	2 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	
6	Eptam/cultivator	7	E	2.63	LB A/A	3	PT/A	PRE	A	2 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	
7	Eptam/cultivator	7	E	3.5	LB A/A	4	PT/A	PRE	A	2 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	
8	Eptam/cultivator	7	E	4.38	LB A/A	5	PT/A	PRE	A	1 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	
9	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	B	6 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	D	
10	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	2 a
LSD (P=.05)										3.4
Standard Deviation										2.4
CV										83.71
Grand Mean										2.83
Bartlett's X2										20.503
P(Bartlett's X2)										0.009*
Replicate F										5.680
Replicate Prob(F)										0.0038
Treatment F										1.819
Treatment Prob(F)										0.1108

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School of Plant, Environmental, and Soil Sciences

Eptam Fallow Study II

Experiment number : 08SC02JM
 Location..... : Sugar Research Station – St. Gabriel LA
 Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 12X50 ft.
 Row width/# per plot : 72"/2
 Soil type..... : silt loam
 OM (%)..... : 1.0
 pH..... : 5.9
 Planting date : N/A
 Harvest date : N/A
 Crop/Variety : N/A
 Uniform std. treatment..... : N/A

Application type	PRE A	POST B	POST C
Date applied (mm-dd-yy)	06-11-08	07-15-08	07-28-08
Time (hh:mm-hh:mm)	12:00-1:00pm	10:00-10:30am	10:30-11:00am
Incorporation equipment.....	Bedder/Cultivator	N/A	N/A
Incorporation depth.....	2-3"	N/A	N/A
Air/Soil temperature (F)	90/90	88/91	96/92
Wind (mph/direction)	3-5/SE	3-5/E	3-6/E
Cloud cover (%).....	65%	0%	30%
Relative humidity (%)	50%	50%	65%
Soil/Leaf surface moist.....	Dry/N/A	Dry/Dry	Dry/Dry
Crop stage/height.....	N/A	N/A	N/A
Sprayer type/mph.....	CO ₂ bkpk/3.0	trctr pto./5.0	trctr pto./5.0
Nozzle type/size.....	FF/11002VS	FF/11003VS	FF/11003VS
Boom ht/#noz/spacing (in)	18"/4/18"	18"/8/18"	18"/8/18"
GPA/psi (at nozzle)	15/25	15/35	15/35
Applied by	Boudreaux	Boudreaux	Boudreaux

Weed species (population/ft²).. : (height/# leaves)
 N/A

Rainfall (in.)
 0-24 hr/1-3 days..... :
 4-7 days/2nd week..... :
 3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Eptam Fallow Study II

Trial ID: 08SC02JM
Location: St. Gabriel

Protocol ID: 08SC02JM
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code										SORHA	SORHA	SORHA
Rating Date										14/Jul/2008	28/Jul/2008	14/Aug/2008
Rating Data Type										Control	Control	Control
Rating Unit										%	%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
1	Eptam/bedder	7	E	1.75	LB A/A	2	PT/A	PRE	A	79 ab	59 bc	95 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C			
2	Eptam/bedder	7	E	2.63	LB A/A	3	PT/A	PRE	A	75 ab	60 bc	93 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C			
3	Eptam/bedder	7	E	3.5	LB A/A	4	PT/A	PRE	A	88 ab	73 abc	95 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C			
4	Eptam/bedder	7	E	4.38	LB A/A	5	PT/A	PRE	A	81 ab	74 abc	93 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C			
5	Eptam/cultivator	7	E	1.75	LB A/A	2	PT/A	PRE	A	73 b	46 c	90 ab
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C			
6	Eptam/cultivator	7	E	2.63	LB A/A	3	PT/A	PRE	A	83 ab	66 bc	94 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C			
7	Eptam/cultivator	7	E	3.5	LB A/A	4	PT/A	PRE	A	87 ab	81 ab	96 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C			
8	Eptam/cultivator	7	E	4.38	LB A/A	5	PT/A	PRE	A	93 a	84 ab	98 a
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C			
9	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	B	0 c	95 a	84 b
	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	D			
10	Roundup Original Max	5.5	L	2.0	LB A/A	46.5	OZ/A	POST	C	0 c	0 d	90 ab
LSD (P=.05)										11.9	19.2	6.5
Standard Deviation										8.2	13.2	4.5
CV										12.46	20.7	4.82
Grand Mean										65.93	63.73	92.78
Bartlett's X2										11.501	5.571	8.351
P(Bartlett's X2)										0.118	0.591	0.499
Replicate F										5.224	5.797	3.359
Replicate Prob(F)										0.0057	0.0036	0.0333
Treatment F										73.642	16.016	3.163
Treatment Prob(F)										0.0001	0.0001	0.0098

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Weed Control with Authority MTZ at Planting

Experiment number : 08SC03JG
Location..... : Sugar Research Station – St. Gabriel LA
Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 6X30 ft.
 Row width/# per plot : 72"/1
Soil type..... : silt loam
 OM (%)..... : 1.0
 pH..... : 5.9
Planting date : 09-04-07
Harvest date : N/A
Crop/Variety : L 99-226
Uniform std. treatment..... : N/A

Application type : PRE
Date applied (mm-dd-yy) : 09-05-07
Time (hh:mm-hh:mm) : 10:30-12:00pm
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : 94/85
Wind (mph/direction) : 2-3/N
Cloud cover (%)..... : 80%
Relative humidity (%) : 80%
Soil/Leaf surface moist : Moist/N/A
Crop stage/height : N/A
Sprayer type/mph..... : CO₂bkpk/3.0
Nozzle type/size..... : FF/11002VS
Boom ht/#noz/spacing (in) : 18"/4/18"
GPA/psi (at nozzle) : 15/25
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days :
4-7 days/2nd week :
3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Weed Control with Authority MTZ at Planting

Trial ID: 08SC03JG
 Location: St. Gabriel

Protocol ID: 08SC03JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

										GRASS	BROADLF	CANE	GRS/BRLF
										3/Oct/2007	3/Oct/2007	3/Oct/2007	
										25/Oct/2007			
										Control	Control	Injury	Control
										%	%	%	%
Rating Data Type													
Rating Unit													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	Authority MTZ	45	DF	0.45	LB A/A	16	OZ/A	PRE	A	100 a	100 a	0 a	95 a
2	Authority MTZ Metribuzin	45 75	DF DF	0.45 1.23	LB A/A LB A/A	16 26.2	OZ/A OZ/A	PRE PRE	A A	100 a	100 a	0 a	95 a
3	Authority MTZ	45	DF	0.563	LB A/A	20	OZ/A	PRE	A	100 a	100 a	0 a	95 a
4	Authority MTZ Metribuzin	45 75	DF DF	0.563 1.162	LB A/A LB A/A	20 24.8	OZ/A OZ/A	PRE PRE	A A	100 a	100 a	0 a	95 a
5	Authority MTZ	45	DF	0.675	LB A/A	24	OZ/A	PRE	A	100 a	100 a	0 a	95 a
6	Authority MTZ Metribuzin	45 75	DF DF	0.675 1.095	LB A/A LB A/A	24 23.4	OZ/A OZ/A	PRE PRE	A A	100 a	100 a	0 a	95 a
7	Authority MTZ	45	DF	0.788	LB A/A	28	OZ/A	PRE	A	100 a	100 a	0 a	95 a
8	Authority MTZ Metribuzin	45 75	DF DF	0.788 1.027	LB A/A LB A/A	28 22	OZ/A OZ/A	PRE PRE	A A	100 a	100 a	0 a	95 a
9	Authority MTZ	45	DF	0.9	LB A/A	32	OZ/A	PRE	A	100 a	100 a	0 a	95 a
10	Authority MTZ Metribuzin	45 75	DF DF	0.9 0.96	LB A/A LB A/A	32 20.5	OZ/A OZ/A	PRE PRE	A A	100 a	100 a	0 a	95 a
11	Metribuzin	75	DF	1.5	LB A/A	32	OZ/A	PRE	A	100 a	100 a	0 a	95 a
12	Nontreated									0 b	0 b	0 a	0 b
LSD (P=.05)										0.0	0.0	0.0	0.0
Standard Deviation										0.0	0.0	0.0	0.0
CV										0.0	0.0	0.0	0.0
Grand Mean										91.67	91.67	0.0	87.08
Bartlett's X2										0.0	0.0	0.0	0.0
P(Bartlett's X2)									
Replicate F										0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Evaluation of Eptam at Planting

Experiment number : 08SC04JG
Location..... : Sugar Research Station – St. Gabriel LA
Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 6X30 ft.
 Row width/# per plot : 72"/1
Soil type..... : silt loam
 OM (%)..... : 1.0
 pH..... : 5.9
Planting date : 09-04-07
Harvest date : N/A
Crop/Variety : L 99-226
Uniform std. treatment..... : N/A

Application type : PRE/PPI
Date applied (mm-dd-yy) : 09-05-07
Time (hh:mm-hh:mm) : 9:00-10:00am
Incorporation equipment..... : Rolling Cultivator
Incorporation depth..... : 2-3"
Air/Soil temperature (F) : 89/84
Wind (mph/direction) : 2-3/N
Cloud cover (%)..... : 80%
Relative humidity (%) : 80%
Soil/Leaf surface moist : Moist/N/A
Crop stage/height..... : N/A
Sprayer type/mpg..... : CO₂bkpk/3.0
Nozzle type/size..... : FF/11002VS
Boom ht/#noz/spacing (in) : 18"/4/18"
GPA/psi (at nozzle) : 15/25
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days :
4-7 days/2nd week :
3rd week/4th week..... :

Comments:
Trts. 1-5 PPI
Trts. 6-9 PRE

School of Plant, Environmental, and Soil Sciences

Evaluation of Eptam at Planting

Trial ID: 08SC04JG
Location: St. Gabriel

Protocol ID: 08SC04JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

										GRASS	BROADLF	CANE	GRS/BRLF	
										3/Oct/2007	3/Oct/2007	3/Oct/2007	25/Oct/2007	
										Control	Control	Injury	Control	
										%	%	%	%	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl						
No.	Name	Conc	Type	Rate	Unit	Rate	Rate	Unit	Stage	Code				
1	Eptam	7	E	1.75	LB A/A	2	PT/A	PPI	A	54 b	65 b	0 a	49 b	
2	Eptam	7	E	2.63	LB A/A	3	PT/A	PPI	A	65 b	68 b	0 a	50 b	
3	Eptam	7	E	3.5	LB A/A	4	PT/A	PPI	A	68 ab	66 b	0 a	49 b	
4	Eptam	7	E	4.38	LB A/A	5	PT/A	PPI	A	80 ab	75 b	1 a	50 b	
5	Treflan	4	EC	3.6	LB A/A	3.6	QT/A	PPI	A	98 a	95 a	0 a	74 a	
6	Command Direx	3 4	ME L	1.24 2.2	LB A/A	3.3 2.2	PT/A QT/A	PRE PRE	A A	100 a	98 a	5 a	98 a	
7	K-4	60	DF	0.6	LB A/A	1	LB/A	PRE	A	100 a	100 a	4 a	97 a	
8	Sencor	75	DF	1.5	LB A/A	2	LB/A	PRE	A	100 a	98 a	0 a	96 a	
9	Prowl Atrazine	3.8 4	L L	3.33 3	LB A/A	3.5 3	QT/A QT/A	PRE PRE	A A	100 a	99 a	3 a	88 a	
LSD (P=.05)										21.8	16.4	4.9	17.2	
Standard Deviation										14.9	11.3	3.3	11.8	
CV										17.58	13.3	239.37	16.33	
Grand Mean										84.94	84.72	1.39	72.11	
Bartlett's X2										10.677	21.612	3.28	24.846	
P(Bartlett's X2)										0.03*	0.003*	0.35	0.002*	
Replicate F										2.922	4.104	1.424	5.179	
Replicate Prob(F)										0.0545	0.0175	0.2603	0.0067	
Treatment F										6.238	7.808	1.335	14.901	
Treatment Prob(F)										0.0002	0.0001	0.2742	0.0001	

School of Plant, Environmental, and Soil Sciences

Evaluation of Eptam at Planting

Trial ID: 08SC04JG
Location: St. Gabriel

Protocol ID: 08SC04JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code	GRASS	BROADLF									
Rating Date	29/Nov/2007	29/Nov/2007									
Rating Data Type	Control	Control									
Rating Unit	%	%									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code	GRASS	BROADLF
1	Eptam	7	E	1.75	LB A/A	2	PT/A	PPI	A	9 c	10 c
2	Eptam	7	E	2.63	LB A/A	3	PT/A	PPI	A	13 c	10 c
3	Eptam	7	E	3.5	LB A/A	4	PT/A	PPI	A	24 c	13 c
4	Eptam	7	E	4.38	LB A/A	5	PT/A	PPI	A	19 c	19 c
5	Treflan	4	EC	3.6	LB A/A	3.6	QT/A	PPI	A	61 b	30 bc
6	Command	3	ME	1.24	LB A/A	3.3	PT/A	PRE	A	86 a	88 a
	Direx	4	L	2.2	LB A/A	2.2	QT/A	PRE	A		
7	K-4	60	DF	0.6	LB A/A	1	LB/A	PRE	A	88 a	85 a
8	Sencor	75	DF	1.5	LB A/A	2	LB/A	PRE	A	93 a	93 a
9	Prowl	3.8	L	3.33	LB A/A	3.5	QT/A	PRE	A	78 a	48 b
	Atrazine	4	L	3	LB A/A	3	QT/A	PRE	A		
LSD (P=.05)										14.1	18.4
Standard Deviation										9.7	12.6
CV										18.56	28.87
Grand Mean										52.08	43.75
Bartlett's X2										13.017	28.038
P(Bartlett's X2)										0.111	0.001*
Replicate F										2.149	1.549
Replicate Prob(F)										0.1205	0.2277
Treatment F										54.301	31.585
Treatment Prob(F)										0.0001	0.0001

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Sugarcane Tolerance to SL-160 (Flazasulfuron)

Experiment number : 08SC05JG
Location..... : Sugar Research Station – St. Gabriel LA
Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 18X35 ft.
 Row width/# per plot : 72"/3
Soil type..... : silt loam
 OM (%)..... : 1.0
 pH..... : 5.9
Planting date : N/A
Harvest date : N/A
Crop/Variety : 2nd Stubble L 97-128
Uniform std. treatment..... : N/A

Application type : POST A
Date applied (mm-dd-yy) : 04-16-08
Time (hh:mm-hh:mm) : 7:30-8:00am
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : 58/61
Wind (mph/direction) : 0-1/SE
Cloud cover (%)..... : 0%
Relative humidity (%) : 60%
Soil/Leaf surface moist : Dry/Moist
Crop stage/height : 10-12lf/24"
Sprayer type/mpg..... : Trctr.CA/3.75
Nozzle type/size..... : FF/11002VS
Boom ht/#noz/spacing (in) : 18"12/18"
GPA/psi (at nozzle) : 15/32
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days :
4-7 days/2nd week :
3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Sugarcane Tolerance to SL-160 (Flazasulfuron)

Trial ID: 08SC05JG
Location: St. Gabriel

Protocol ID: 08SC05JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

											CANE	CANE
											21/Apr/2008	21/May/2008
											Injury	Injury
											%	%
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl				
No.	Name	Conc	Type	Rate	Unit	Rate	Unit	Stage	Code			
1	SL-160 Induce	25	DG	0.014 0.25	LB A/A % V/V	0.9 0.25	OZ WT/A % V/V	POST POST	A A	0 b	5 b	
2	SL-160 Induce	25	DG	0.0234 0.25	LB A/A % V/V	1.5 0.25	OZ WT/A % V/V	POST POST	A A	0 b	5 b	
3	SL-160 Asulox XP Induce	25 3.13	DG L	0.014 1 0.25	LB A/A LB A/A % V/V	0.9 41 0.25	OZ WT/A FL OZ/A % V/V	POST POST POST	A A A	0 b	5 b	
4	SL-160 Karmex Induce	25 80	DG WP	0.014 1.6 0.25	LB A/A LB A/A % V/V	0.9 2 0.25	OZ WT/A LB/A % V/V	POST POST POST	A A A	10 a	14 a	
5	SL-160 Evik Induce	25 80	DG DF	0.014 1.14 0.25	LB A/A LB A/A % V/V	0.9 1.42 0.25	OZ WT/A LB/A % V/V	POST POST POST	A A A	13 a	14 a	
6	Asulox XP Induce	3.13	L	3.13 0.25	LB A/A % V/V	4 0.25	QT/A % V/V	POST POST	A A	0 b	6 b	
7	Asulox XP Envoke Induce	3.13 75	L DF	1.57 0.014 0.25	LB A/A LB A/A % V/V	2 0.3 0.25	QT/A OZ WT/A % V/V	POST POST POST	A A A	0 b	4 b	
8	Nontreated									0 b	0 b	
LSD (P=.05)											2.6	4.8
Standard Deviation											1.8	3.3
CV											62.85	49.53
Grand Mean											2.81	6.56
Bartlett's X2											0.346	4.293
P(Bartlett's X2)											0.556	0.232
Replicate F											1.000	1.676
Replicate Prob(F)											0.4123	0.2026
Treatment F											35.286	8.746
Treatment Prob(F)											0.0001	0.0001

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Sugarcane Tolerance and Weed Control with BAS 800 AD H

Experiment number : 08SC06JG
Location..... : Sugar Research Station – St. Gabriel LA
Experimental design : Randomized Complete Block
Number of reps : 4
Plot size : 12X30 ft.
Row width/# per plot : 72"/2
Soil type..... : silt loam
OM (%)..... : 1.0
pH..... : 5.9
Planting date : N/A
Harvest date : N/A
Crop/Variety : 2nd Stubble L 97-128
Uniform std. treatment..... : N/A

Application type : POST A
Date applied (mm-dd-yy) : 04-16-08
Time (hh:mm-hh:mm) : 8:30-9:00am
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : 63/61
Wind (mph/direction) : 1-3/SE
Cloud cover (%)..... : 0%
Relative humidity (%) : 50%
Soil/Leaf surface moist..... : Dry/Moist
Crop stage/height..... : 10-12lf/24"
Sprayer type/mph..... : CO₂bkpk/3.0
Nozzle type/size..... : FF/11002VS
Boom ht/#noz/spacing (in) : 18"/4/18"
GPA/psi (at nozzle) : 15/25
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days..... :
4-7 days/2nd week..... :
3rd week/4th week..... :

Comments:

Crop Injury 5 DAT: Distinct- lower leaves and leaf margins purple in color; timothy grass laid over in treated plots; BAS 800 – red splotchy lesions on leaves, significant height reductions, and necrotic leaf tips.

School of Plant, Environmental, and Soil Sciences

Sugarcane Tolerance and Weed Control with BAS 800 AD H

Trial ID: 08SC06JG
Location: St. Gabriel

Protocol ID: 08SC06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code										CANE	CANE	CANE
Rating Date										21/Apr/2008	30/Apr/2008	21/May/2008
Rating Data Type										Injury	Injury	Injury
Rating Unit										%	%	%
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl				
No.	Name	Conc	Type	Rate	Unit	Rate	Rate	Unit	Stage	Code		
1	BAS 800 AD H Prowl H2O	342 3.8	L L	0.179 3.3	LB A/A LB A/A	81 3.47	G A/A QT/A	POST POST	A A		33 a 26 a	11 a
2	BAS 800 AD H Prowl H2O	342 3.8	L L	0.089 3.3	LB A/A LB A/A	40.4 3.47	G A/A QT/A	POST POST	A A		31 a 25 a	10 a
3	Distinct Induce	70	DF	0.175 0.25	LB A/A % V/V	4 0.25	OZ/A % V/V	POST POST	A A		10 c 9 b	0 b
4	Distinct Induce	70	DF	0.263 0.25	LB A/A % V/V	6 0.25	OZ/A % V/V	POST POST	A A		15 b 10 b	0 b
5	Prowl H2O Atrazine Induce	3.8 4.0	L L	3.3 4 0.25	LB A/A LB A/A % V/V	3.47 4 0.25	QT/A QT/A % V/V	POST POST POST	A A A		0 d 0 c 0 b	
LSD (P=.05)										3.7	3.4	1.7
Standard Deviation										2.4	2.2	1.1
CV										13.61	15.64	26.31
Grand Mean										17.75	14.0	4.25
Bartlett's X2										0.713	0.976	0.0
P(Bartlett's X2)										0.398	0.614	.
Replicate F										1.357	2.087	1.000
Replicate Prob(F)										0.3026	0.1555	0.4262
Treatment F										134.143	106.565	109.000
Treatment Prob(F)										0.0001	0.0001	0.0001

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Early Spring Sugarcane Tolerance with V-10206

Experiment number : 08SC07JG
Location..... : Sugar Research Station – St. Gabriel LA
Experimental design : Randomized Complete Block
Number of reps : 4
Plot size : 18X40 ft.
Row width/# per plot : 72"/3
Soil type..... : silt loam
OM (%)..... : 1.0
pH..... : 5.9
Planting date : N/A
Harvest date : N/A
Crop/Variety : 2nd Stubble L 97-128
Uniform std. treatment..... : N/A

Application type : PRE A
Date applied (mm-dd-yy) : 03-27-08
Time (hh:mm-hh:mm) : 12:30-1:00pm
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : 86/73
Wind (mph/direction) : 5-8/SE
Cloud cover (%)..... : 10%
Relative humidity (%) : 40%
Soil/Leaf surface moist : Dry/Dry
Crop stage/height..... : 8-12"
Sprayer type/mpg..... : trctr.CA/3.75
Nozzle type/size..... : FF/11002VS
Boom ht/#noz/spacing (in) : 18"/12/18"
GPA/psi (at nozzle) : 15/35
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days..... :
4-7 days/2nd week..... :
3rd week/4th week..... :

Comments:

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Early Spring Sugarcane Tolerance with V-10206

Trial ID: 08SC07JG
 Location: St. Gabriel

Protocol ID: 08SC07JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Name											CANE	CANE	CANE
Rating Date											3/Apr/2008	10/Apr/2008	17/Apr/2008
Rating Data Type											Injury	Injury	Injury
Rating Unit											%	%	%
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code				
1	V-10206	85	WG	0.159	LB A/A 3		OZ/A	PRE	A	0 a	0 a	0 a	
2	V-10206	85	WG	0.213	LB A/A 4		OZ/A	PRE	A	0 a	0 a	0 a	
3	V-10206 AAtrex	85 4	WG L	0.159 3	LB A/A 3 LB A/A 3		OZ/A QT/A	PRE PRE	A A	0 a	0 a	0 a	
4	V-10206 AAtrex	85 4	WG L	0.213 3	LB A/A 4 LB A/A 3		OZ/A QT/A	PRE PRE	A A	0 a	0 a	0 a	
5	Prowl H2O AAtrex	3.8 4	L L	1.75 3	LB A/A 1.84 LB A/A 3		QT/A QT/A	PRE PRE	A A	0 a	0 a	0 a	
6	Nontreated									0 a	0 a	0 a	
LSD (P=.05)											0.0	0.0	0.0
Standard Deviation											0.0	0.0	0.0
CV											0.0	0.0	0.0
Grand Mean											0.0	0.0	0.0
Bartlett's X2											0.0	0.0	0.0
P(Bartlett's X2)											.	.	.
Replicate F											0.000	0.000	0.000
Replicate Prob(F)											1.0000	1.0000	1.0000
Treatment F											0.000	0.000	0.000
Treatment Prob(F)											1.0000	1.0000	1.0000

Louisiana State University
Department of Agronomy and Environmental Management

Sugarcane Variety Study

Experiment number : 07SC01JG
Location..... : St. Gabriel Research Station – St. Gabriel, LA
Experimental design : Randomized complete block
Number of reps : 4
Plot size : 18X50 ft.
Row width/# per plot : 72"/3
Soil type..... : silt loam
OM (%)..... : 1.0
pH..... : 5.9
Planting date : 09-25-06
Harvest date : N/A
Crop/Variety : Sugarcane
Uniform std. treatment..... : 09-25-06 – PRE DuPont K4 @ 4.0 lb/A

Application type : PRE
Date applied (mm-dd-yy) : 09-25-06
Time (hh:mm-hh:mm) : 02:00-02:30p
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : 83/75
Wind (mph/direction) : 3-5/NNW
Cloud cover (%)..... : 0
Relative humidity (%) : 37
Soil/Leaf surface moist..... : moist/N/A
Crop stage/height..... : N/A
Sprayer type/mph..... : trctrPTO/4.75
Nozzle type/size..... : FF/8003VS
Boom ht/#noz/spacing (in) : 18"/12/18"
GPA/psi (at nozzle) : 15/30
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days..... :
4-7 days/2nd week..... :
3rd week/4th week..... :

Comments:

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code CANE
 Rating Date 17/Mar/2008
 Rating Data Type shoots
 Rating Unit #/50ft.

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code
1	LCP 85-384								237 a
2	97-128								253 a
3	HoCP 96-540								235 a
4	Ho 95-988								232 a
5	L 99-226								254 a
6	L 99-233								265 a
LSD (P=.05)									27.7
Standard Deviation									18.2
CV									7.39
Grand Mean									245.81
Bartlett's X2									2.63
P(Bartlett's X2)									0.757
Replicate F									10.270
Replicate Prob(F)									0.0010
Treatment F									2.148
Treatment Prob(F)									0.1239

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code								CANE	CANE	CANE	
Rating Date								17/Mar/2008	17/Mar/2008	17/Mar/2008	
Rating Data Type								Heights	Cane GC	Widths	
Rating Unit								cm	%	cm	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code			
1	LCP 85-384								28 a	14 bc	33 a
2	97-128								31 a	23 a	35 a
3	HoCP 96-540								29 a	10 c	28 a
4	Ho 95-988								35 a	16 b	34 a
5	L 99-226								33 a	18 b	38 a
6	L 99-233								32 a	24 a	35 a
LSD (P=.05)									5.3	4.3	7.4
Standard Deviation									3.5	2.8	4.9
CV									11.3	16.34	14.6
Grand Mean									31.4	17.29	33.87
Bartlett's X2									2.486	1.123	7.911
P(Bartlett's X2)									0.779	0.952	0.161
Replicate F									0.827	1.522	3.528
Replicate Prob(F)									0.4995	0.2496	0.0410
Treatment F									2.158	13.591	1.715
Treatment Prob(F)									0.1141	0.0001	0.1919

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code							CANE	CANE	CANE
Rating Date							27/Mar/2008	27/Mar/2008	27/Mar/2008
Rating Data Type							shoots	Heights	Cane GC
Rating Unit							#/50ft.	cm	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code	
1	LCP 85-384								219 a 27 a 13 c
2	97-128								246 a 31 a 21 b
3	HoCP 96-540								243 a 30 a 10 c
4	Ho 95-988								251 a 32 a 21 b
5	L 99-226								254 a 31 a 20 b
6	L 99-233								260 a 31 a 30 a
LSD (P=.05)							25.8	5.4	5.6
Standard Deviation							16.9	3.6	3.7
CV							6.89	11.9	19.25
Grand Mean							245.6	30.22	19.17
Bartlett's X2							4.215	6.727	2.497
P(Bartlett's X2)							0.519	0.242	0.645
Replicate F							10.974	1.716	1.429
Replicate Prob(F)							0.0007	0.2065	0.2737
Treatment F							2.853	0.716	15.000
Treatment Prob(F)							0.0593	0.6211	0.0001

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code					CANE	CANE	CANE	CANE
Rating Date					27/Mar/2008	3/Apr/2008	3/Apr/2008	3/Apr/2008
Rating Data Type					Widths	shoots	Heights	Cane GC
Rating Unit					cm	#/50ft.	cm	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code
1	LCP 85-384							
2	97-128							
3	HoCP 96-540							
4	Ho 95-988							
5	L 99-226							
6	L 99-233							
LSD (P=.05)					4.0	65.6	5.4	4.9
Standard Deviation					2.7	36.1	3.6	3.2
CV					7.8	10.16	9.58	15.7
Grand Mean					34.25	355.17	37.54	20.63
Bartlett's X2					2.37	5.082	1.081	0.235
P(Bartlett's X2)					0.796	0.406	0.956	0.994
Replicate F					0.511	4.485	3.507	5.132
Replicate Prob(F)					0.6809	0.0407	0.0417	0.0122
Treatment F					2.898	3.442	12.552	10.430
Treatment Prob(F)					0.0502	0.0455	0.0001	0.0002

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code								CANE	CANE	CANE	
Rating Date								3/Apr/2008	10/Apr/2008	10/Apr/2008	
Rating Data Type								Widths	shoots	Heights	
Rating Unit								cm	#/50ft.	cm	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code			
1	LCP 85-384								34 b	336 a	39 c
2	97-128								44 a	335 a	58 a
3	HoCP 96-540								33 b	307 a	40 c
4	Ho 95-988								46 a	330 a	47 bc
5	L 99-226								42 ab	329 a	48 bc
6	L 99-233								50 a	388 a	56 ab
LSD (P=.05)									7.7	49.2	7.7
Standard Deviation									5.1	32.6	5.1
CV									12.31	9.67	10.57
Grand Mean									41.24	337.5	48.03
Bartlett's X2									5.414	4.704	3.187
P(Bartlett's X2)									0.368	0.453	0.671
Replicate F									0.881	2.157	3.483
Replicate Prob(F)									0.4733	0.1357	0.0425
Treatment F									7.451	2.696	9.287
Treatment Prob(F)									0.0011	0.0624	0.0003

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code								CANE	CANE	CANE	
Rating Date								10/Apr/2008	10/Apr/2008	17/Apr/2008	
Rating Data Type								Cane CG	Widths	shoots	
Rating Unit								%	cm	#/50ft.	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Unit	Appl Code			
1	LCP 85-384								23 c	33 a	352 a
2	97-128								39 ab	34 a	352 a
3	HoCP 96-540								21 c	32 a	345 a
4	Ho 95-988								33 b	36 a	379 a
5	L 99-226								34 ab	36 a	385 a
6	L 99-233								41 a	34 a	419 a
LSD (P=.05)									6.4	4.4	55.8
Standard Deviation									4.2	2.9	37.0
CV									13.31	8.5	9.96
Grand Mean									31.67	34.33	371.96
Bartlett's X2									3.09	10.959	2.922
P(Bartlett's X2)									0.686	0.052	0.712
Replicate F									2.031	0.788	0.496
Replicate Prob(F)									0.1527	0.5192	0.6904
Treatment F									15.281	0.973	2.319
Treatment Prob(F)									0.0001	0.4652	0.0949

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code								CANE	CANE	CANE	
Rating Date								17/Apr/2008	17/Apr/2008	17/Apr/2008	
Rating Data Type								Heights	Cane CG	Widths	
Rating Unit								cm	%	cm	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code			
1	LCP 85-384								59 c	26 c	69 bc
2	97-128								77 ab	44 b	76 ab
3	HoCP 96-540								65 c	30 c	64 c
4	Ho 95-988								70 bc	41 b	79 ab
5	L 99-226								65 c	40 b	84 a
6	L 99-233								82 a	54 a	84 a
LSD (P=.05)									7.8	6.9	8.9
Standard Deviation									5.1	4.6	5.9
CV									7.39	11.73	7.81
Grand Mean									69.6	39.17	75.98
Bartlett's X2									6.438	4.237	4.593
P(Bartlett's X2)									0.266	0.516	0.468
Replicate F									1.113	0.921	1.497
Replicate Prob(F)									0.3747	0.4545	0.2557
Treatment F									10.276	18.553	7.826
Treatment Prob(F)									0.0002	0.0001	0.0008

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code								CANE	CANE	CANE	
Rating Date								24/Apr/2008	24/Apr/2008	24/Apr/2008	
Rating Data Type								Heights	Cane CG	Widths	
Rating Unit								cm	%	cm	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code			
1	LCP 85-384								73 b	36 c	80 b
2	97-128								93 a	53 b	94 a
3	HoCP 96-540								78 b	35 c	81 b
4	Ho 95-988								80 b	48 b	89 a
5	L 99-226								74 b	53 b	93 a
6	L 99-233								92 a	64 a	98 a
LSD (P=.05)									7.2	7.0	7.0
Standard Deviation									4.8	4.7	4.7
CV									5.86	9.71	5.22
Grand Mean									81.64	47.92	89.2
Bartlett's X2									3.467	3.555	2.645
P(Bartlett's X2)									0.628	0.615	0.755
Replicate F									2.119	4.423	3.902
Replicate Prob(F)									0.1406	0.0204	0.0304
Treatment F									13.638	22.000	9.680
Treatment Prob(F)									0.0001	0.0001	0.0003

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE		CANE		CANE		
Rating Date		1/May/2008		1/May/2008		1/May/2008		
Rating Data Type		Heights		Cane CG		Widths		
Rating Unit		cm		%		cm		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code
1	LCP 85-384							
2	97-128							
3	HoCP 96-540							
4	Ho 95-988							
5	L 99-226							
6	L 99-233							
LSD (P=.05)		9.5	7.0	10.5				
Standard Deviation		6.3	4.7	6.9				
CV		6.96	9.02	6.62				
Grand Mean		90.31	51.88	104.8				
Bartlett's X2		4.307	0.316	11.786				
P(Bartlett's X2)		0.506	0.989	0.038*				
Replicate F		1.904	1.190	3.060				
Replicate Prob(F)		0.1723	0.3469	0.0606				
Treatment F		7.097	14.943	2.437				
Treatment Prob(F)		0.0014	0.0001	0.0830				

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE		CANE		CANE		
Rating Date		9/May/2008		9/May/2008		9/May/2008		
Rating Data Type		Heights		Cane GC		Widths		
Rating Unit		cm		%		cm		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code
1	LCP 85-384							
2	97-128							
3	HoCP 96-540							
4	Ho 95-988							
5	L 99-226							
6	L 99-233							
LSD (P=.05)		13.2	7.7	11.4				
Standard Deviation		8.8	5.1	7.6				
CV		9.77	9.17	8.57				
Grand Mean		89.88	55.63	88.5				
Bartlett's X2		2.756	5.2	7.66				
P(Bartlett's X2)		0.738	0.392	0.176				
Replicate F		2.080	1.000	2.644				
Replicate Prob(F)		0.1459	0.4199	0.0870				
Treatment F		7.508	14.952	8.228				
Treatment Prob(F)		0.0010	0.0001	0.0007				

School of Plant, Environmental, and Soil Sciences

Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code						CANE	CANE	CANE	
Rating Date						19/May/2008	19/May/2008	19/May/2008	
Rating Data Type						Heights	Cane GC	Widths	
Rating Unit						cm	%	cm	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code	
1	LCP 85-384						119 bc	54 b	145 ab
2	97-128						136 ab	70 a	155 a
3	HoCP 96-540						119 bc	54 b	139 b
4	Ho 95-988						121 bc	66 a	147 ab
5	L 99-226						105 c	74 a	148 ab
6	L 99-233						145 a	73 a	149 ab
LSD (P=.05)						12.3	7.2	9.1	
Standard Deviation						8.2	4.8	6.1	
CV						6.59	7.34	4.12	
Grand Mean						124.23	65.0	147.24	
Bartlett's X2						8.261	2.695	8.857	
P(Bartlett's X2)						0.142	0.747	0.115	
Replicate F						1.633	1.585	0.410	
Replicate Prob(F)						0.2239	0.2345	0.7480	
Treatment F						12.088	14.488	3.247	
Treatment Prob(F)						0.0001	0.0001	0.0348	

School of Plant, Environmental, and Soil Sciences

Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code								CANE	CANE	CANE	
Rating Date								27/May/2008	27/May/2008	27/May/2008	
Rating Data Type								Heights	Cane GC	Widths	
Rating Unit								cm	%	cm	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code			
1	LCP 85-384								150 cd	60 c	171 ab
2	97-128								180 a	74 b	176 a
3	HoCP 96-540								145 cd	55 c	161 b
4	Ho 95-988								160 bc	69 b	163 b
5	L 99-226								137 d	85 a	180 a
6	L 99-233								173 ab	73 b	172 ab
LSD (P=.05)									13.4	7.1	9.6
Standard Deviation									8.9	4.7	6.3
CV									5.64	6.81	3.72
Grand Mean									157.44	69.08	170.61
Bartlett's X2									2.064	4.041	5.686
P(Bartlett's X2)									0.84	0.401	0.338
Replicate F									2.130	1.415	3.105
Replicate Prob(F)									0.1392	0.2775	0.0583
Treatment F									14.060	20.879	5.547
Treatment Prob(F)									0.0001	0.0001	0.0043

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE		CANE		CANE		
Rating Date		2/Jun/2008		2/Jun/2008		2/Jun/2008		
Rating Data Type		Heights		H 1° Dulap		PAR		
Rating Unit		cm		cm		%Reduced		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code
1	LCP 85-384							
2	97-128							
3	HoCP 96-540							
4	Ho 95-988							
5	L 99-226							
6	L 99-233							
LSD (P=.05)		14.5	8.1	12.0				
Standard Deviation		9.6	5.3	8.0				
CV		5.05	6.67	17.16				
Grand Mean		190.17	80.08	46.42				
Bartlett's X2		3.341	4.678	2.663				
P(Bartlett's X2)		0.648	0.456	0.752				
Replicate F		0.357	1.088	1.584				
Replicate Prob(F)		0.7851	0.3843	0.2350				
Treatment F		18.136	35.219	12.877				
Treatment Prob(F)		0.0001	0.0001	0.0001				

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code								CANE	CANE	CANE		
Rating Date								10/Jun/2008	10/Jun/2008	12/Jun/2008		
Rating Data Type								Heights	H 1° Dulap	PAR		
Rating Unit								cm	cm	%Reduced		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
1	LCP 85-384									190 b	88 bc	45 c
2	97-128									227 a	126 a	79 a
3	HoCP 96-540									195 b	91 bc	41 c
4	Ho 95-988									211 a	96 b	62 b
5	L 99-226									185 b	83 c	78 a
6	L 99-233									227 a	119 a	72 a
LSD (P=.05)								16.3	8.5	9.4		
Standard Deviation								10.8	5.6	6.2		
CV								5.25	5.6	9.93		
Grand Mean								205.91	100.27	62.83		
Bartlett's X2								6.767	1.567	5.65		
P(Bartlett's X2)								0.239	0.905	0.342		
Replicate F								0.818	0.414	2.646		
Replicate Prob(F)								0.5037	0.7452	0.0870		
Treatment F								11.825	40.269	28.070		
Treatment Prob(F)								0.0001	0.0001	0.0001		

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code								CANE	CANE	CANE	
Rating Date								18/Jun/2008	20/Jun/2008	18/Jun/2008	
Rating Data Type								Heights	H 1° Dulap	PAR	
Rating Unit								cm	cm	%Reduced	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Unit	Appl Code			
1	LCP 85-384								200 c	105 b	32 b
2	97-128								237 ab	149 a	59 a
3	HoCP 96-540								206 c	110 b	32 b
4	Ho 95-988								221 bc	116 b	50 a
5	L 99-226								202 c	107 b	63 a
6	L 99-233								241 a	140 a	51 a
LSD (P=.05)									15.9	9.5	11.1
Standard Deviation									10.6	6.3	7.4
CV									4.86	5.18	15.42
Grand Mean									217.73	121.07	47.83
Bartlett's X2									6.799	2.592	7.949
P(Bartlett's X2)									0.236	0.763	0.159
Replicate F									0.343	0.162	10.190
Replicate Prob(F)									0.7950	0.9201	0.0007
Treatment F									11.727	35.227	13.031
Treatment Prob(F)									0.0001	0.0001	0.0001

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE		CANE		CANE		
Rating Date		26/Jun/2008		26/Jun/2008		27/Jun/2008		
Rating Data Type		Heights		H 1° Dulap		PAR		
Rating Unit		cm		cm		%Reduced		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code
1	LCP 85-384							
2	97-128							
3	HoCP 96-540							
4	Ho 95-988							
5	L 99-226							
6	L 99-233							
LSD (P=.05)		14.1		10.5		9.6		
Standard Deviation		9.4		7.0		6.4		
CV		4.14		5.35		9.59		
Grand Mean		225.73		130.11		66.75		
Bartlett's X2		8.481		5.833		1.61		
P(Bartlett's X2)		0.132		0.323		0.90		
Replicate F		0.897		0.806		3.692		
Replicate Prob(F)		0.4658		0.5097		0.0359		
Treatment F		15.089		27.888		27.430		
Treatment Prob(F)		0.0001		0.0001		0.0001		

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE		CANE		CANE		CANE	
Rating Date		2/Jul/2008		2/Jul/2008		2/Jul/2008		11/Jul/2008	
Rating Data Type		Heights		H 1° Dulap		PAR		Heights	
Rating Unit		cm		cm		%Reduced		cm	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code
1	LCP 85-384								
2	97-128								
3	HoCP 96-540								
4	Ho 95-988								
5	L 99-226								
6	L 99-233								
LSD (P=.05)		11.3		10.6		10.0		8.7	
Standard Deviation		7.5		7.0		6.6		5.8	
CV		3.01		5.11		11.73		2.26	
Grand Mean		249.68		137.37		56.67		255.48	
Bartlett's X2		3.07		10.8		4.589		2.97	
P(Bartlett's X2)		0.689		0.055		0.468		0.705	
Replicate F		0.651		1.323		4.157		16.774	
Replicate Prob(F)		0.5945		0.3039		0.0249		0.0001	
Treatment F		20.654		29.789		11.702		52.188	
Treatment Prob(F)		0.0001		0.0001		0.0001		0.0001	

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code	CANE	CANE	CANE					
Rating Date	11/Jul/2008	11/Jul/2008	17/Jul/2008					
Rating Data Type	H 1° Dulap	PAR	Heights					
Rating Unit	cm	%Reduced	cm					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Stage	Appl Code
1	LCP 85-384							
2	97-128							
3	HoCP 96-540							
4	Ho 95-988							
5	L 99-226							
6	L 99-233							
<hr/>								
LSD (P=.05)								
Standard Deviation								
CV								
Grand Mean								
Bartlett's X2								
P(Bartlett's X2)								
Replicate F								
Replicate Prob(F)								
Treatment F								
Treatment Prob(F)								

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE		CANE		CANE		
Rating Date		17/Jul/2008		17/Jul/2008		25/Jul/2008		
Rating Data Type		H 1° Dulap		PAR		H 1° Dulap		
Rating Unit		cm		%Reduced		cm		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code
1	LCP 85-384							
								138 b
								76 b
								148 b
2	97-128							
								187 a
								87 a
								201 a
3	HoCP 96-540							
								149 b
								74 b
								156 b
4	Ho 95-988							
								150 b
								87 a
								158 b
5	L 99-226							
								137 b
								87 a
								145 b
6	L 99-233							
								177 a
								84 a
								188 a
LSD (P=.05)								14.5
Standard Deviation								9.6
CV								6.16
Grand Mean								156.23
Bartlett's X2								11.813
P(Bartlett's X2)								0.037*
Replicate F								1.585
Replicate Prob(F)								0.2345
Treatment F								18.710
Treatment Prob(F)								0.0001

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Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE		CANE		CANE		
Rating Date		28/Jul/2008		7/Aug/2008		7/Aug/2008		
Rating Data Type		PAR		H 1° Dulap		PAR		
Rating Unit		%Reduced		cm		%Reduced		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code
1	LCP 85-384							
2	97-128							
3	HoCP 96-540							
4	Ho 95-988							
5	L 99-226							
6	L 99-233							
LSD (P=.05)		4.6		11.8		6.0		
Standard Deviation		3.0		7.9		4.0		
CV		3.55		4.19		4.96		
Grand Mean		85.83		187.54		80.25		
Bartlett's X2		1.861		3.394		2.507		
P(Bartlett's X2)		0.868		0.639		0.776		
Replicate F		1.352		2.065		10.747		
Replicate Prob(F)		0.2953		0.1479		0.0005		
Treatment F		20.505		29.109		16.813		
Treatment Prob(F)		0.0001		0.0001		0.0001		

School of Plant, Environmental, and Soil Sciences

Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE	CANE	CANE
Rating Date		14/Aug/2008	14/Aug/2008	14/Aug/2008
Rating Data Type		H 1° Dulap	PAR	Stalk #
Rating Unit		cm	%Reduced	

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code			
1	LCP 85-384								192 b	75 c	114 a
2	97-128								234 a	88 a	118 a
3	HoCP 96-540								199 b	70 c	117 a
4	Ho 95-988								190 b	89 a	117 a
5	L 99-226								197 b	92 a	107 a
6	L 99-233								233 a	81 b	122 a
LSD (P=.05)									17.2	5.9	16.0
Standard Deviation									11.4	3.9	10.6
CV									5.49	4.78	9.2
Grand Mean									207.46	82.33	115.63
Bartlett's X2									5.961	5.387	12.165
P(Bartlett's X2)									0.31	0.371	0.033*
Replicate F									0.166	5.702	0.140
Replicate Prob(F)									0.9173	0.0082	0.9347
Treatment F									12.741	19.049	0.974
Treatment Prob(F)									0.0001	0.0001	0.4649

School of Plant, Environmental, and Soil Sciences

Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE		CANE		CANE		
Rating Date		22/Aug/2008		28/Aug/2008		28/Aug/2008		
Rating Data Type		H 1° Dulap		PAR		H 1° Dulap		
Rating Unit		cm		%Reduced		cm		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code
1	LCP 85-384							
								216 a
								90 b
								226 a
2	97-128							
								229 a
								93 ab
								241 a
3	HoCP 96-540							
								228 a
								92 ab
								239 a
4	Ho 95-988							
								205 a
								93 ab
								238 a
5	L 99-226							
								213 a
								96 a
								215 a
6	L 99-233							
								224 a
								90 b
								227 a
LSD (P=.05)								31.7
Standard Deviation								21.0
CV								9.6
Grand Mean								219.08
Bartlett's X2								8.127
P(Bartlett's X2)								0.149
Replicate F								0.032
Replicate Prob(F)								0.9921
Treatment F								0.817
Treatment Prob(F)								0.5563
								3.270
								0.0590
								3.784
								0.0274
								0.275
								0.8422
								1.074
								0.4188

School of Plant, Environmental, and Soil Sciences

Sugarcane Variety Study

Trial ID: 07SC01JG
 Location: St. Gabriel

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code		CANE		CANE						
Rating Date		7/Nov/2008		7/Nov/2008						
Rating Data Type		Plot Weight		W. 6 stalks						
Rating Unit		lbs		lbs						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code		
1	LCP 85-384								240 a	19 a
2	97-128								289 a	19 a
3	HoCP 96-540								369 a	24 a
4	Ho 95-988								341 a	20 a
5	L 99-226								323 a	22 a
6	L 99-233								314 a	18 a
LSD (P=.05)									80.2	5.1
Standard Deviation									53.2	3.4
CV									17.02	16.9
Grand Mean									312.5	20.2
Bartlett's X2									3.693	8.944
P(Bartlett's X2)									0.594	0.111
Replicate F									1.983	0.657
Replicate Prob(F)									0.1598	0.5909
Treatment F									2.802	1.506
Treatment Prob(F)									0.0556	0.2464

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Experiment number.....: 08SB01JG
 Location.....: Ben Hur Research Farm – Baton Rouge LA
 Experimental design: Randomized Complete Block
 Number of reps: 4
 Plot size: 10X30 ft.
 Row width/# per plot: N/A
 Soil type.....: clay loam
 OM (%).....: 1.9
 pH.....: 6.3
 Planting date: 05-20-08
 Harvest date: N/A
 Crop/Variety: Soybean/P95M50
 Uniform std. treatment.....: N/A

Application type	EARPRES A	POST B	POST C
Date applied (mm-dd-yy)	04-29-08	05-28-08	06-04-08
Time (hh:mm-hh:mm)	4:00-4:30pm	5:00-5:15pm	2:30-3:00pm
Incorporation equipment.....	N/A	N/A	N/A
Incorporation depth.....	N/A	N/A	N/A
Air/Soil temperature (F)	81/83	93/86	94/90
Wind (mph/direction)	2-5/NW	2-3/S	5-7/S
Cloud cover (%).....	0%	10%	20%
Relative humidity (%)	30%	55%	45%
Soil/Leaf surface moist.....	Moist/Dry	Dry/Dry	Dry/Dry
Crop stage/height.....	N/A	V3/4-6"	V3/4-6"
Sprayer type/mph.....	CO ₂ bkpk/3.0	CO ₂ bkpk/3.0	CO ₂ bkpk/3.0
Nozzle type/size.....	FF/11002VS	FF/11002VS	FF/11002VS
Boom ht/#noz/spacing (in)	18"/4/18"	18"/4/18"	18"/4/18"
GPA/psi (at nozzle)	15/25	15/25	15/25
Applied by	Boudreaux	Boudreaux	Boudreaux

Weed species (population/ft²)..: (height/# leaves)

ECHCG (2-3).....	1-3"/9-12lf		4-6"/10-18lf
IPOLA (1-2)	1-3"/8-10lf	4-6"/4-12lf	4-6"/8-12lf
MEOCO (1-2).....	1-3"/4-6lf		2-4"/6-10lf
PHYAN (2-3)	1-3"/4-6lf		2-3"/4-6lf
IAQTA (0-1).....	1-3"/4-5lf		

Rainfall (in.)
 0-24 hr/1-3 days.....:
 4-7 days/2nd week.....:
 3rd week/4th week.....:

Comments:

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
 Location: Ben Hur

Protocol ID: 08SB01JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code										GRASS	IPOLA			
Rating Date										14/May/2008	14/May/2008			
Rating Data Type										Control	Control			
Rating Unit										%	%			
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	Classic	25	WG	0.02	LB A/A	0.32	OZ A/A	EARPRE A	A	93 ab	100 a			
	Harmony GT	50	DF	0.00625	LB A/A	0.10	OZ A/A	EARPRE A	A					
	Valor	51	WG	0.0625	LB A/A	1.0	OZ A/A	EARPRE A	A					
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	EARPRE A	A					
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A					
	Classic	25	WG	0.00586	LB A/A	0.375	OZ WT/A	POST	C					
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	POST	C					
2	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	99 a	100 a			
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A					
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A					
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A					
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C					
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C					
	3	Canopy	75	WG	0.188	LB A/A	4	OZ/A	EARPRE A			A	88 b	100 a
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A					
2,4-D Ester		4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
Induce				0.25	% V/V	0.25	% V/V	EARPRE A	A					
Classic		25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C					
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	POST	C					
4		Valor	51	WG	0.064	LB A/A	2	OZ/A	EARPRE A	A	95 ab	100 a		
		Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A				
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C					
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C					
5	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	100 a	99 a			
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A					
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A					
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A					
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C					
	6	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A			A	100 a	100 a
		Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A			A		
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A					
2,4-D Ester		4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
Induce				0.25	% V/V	0.25	% V/V	EARPRE A	A					
Sequence		5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C					
Synchrony XP		28.4	DG	0.0178	LB A/A	0.284	OZ A/A	POST	C					

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
Location: Ben Hur

Protocol ID: 08SB01JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

										GRASS	IPOLA
										14/May/2008	14/May/2008
										Control	Control
										%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
7	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE	A	98 a	83 b
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	B		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
8	Nontreated									0 c	0 c
LSD (P=.05)										5.8	2.1
Standard Deviation										3.9	1.4
CV										4.7	1.65
Grand Mean										83.88	85.16
Bartlett's X2										4.664	0.061
P(Bartlett's X2)										0.324	0.806
Replicate F										0.177	0.396
Replicate Prob(F)										0.9108	0.7571
Treatment F										300.478	2476.472
Treatment Prob(F)										0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
Location: Ben Hur

Protocol ID: 08SB01JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code										PHYAN	MEOCO
Rating Date										14/May/2008	14/May/2008
Rating Data Type										Control	Control
Rating Unit										%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	Classic	25	WG	0.02	LB A/A	0.32	OZ A/A	EARPRE A	A	100 a	100 a
	Harmony GT	50	DF	0.00625	LB A/A	0.10	OZ A/A	EARPRE A	A		
	Valor	51	WG	0.0625	LB A/A	1.0	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ WT/A	POST	C		
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	POST	C		
2	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	100 a	100 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
	3	Canopy	75	WG	0.188	LB A/A	4	OZ/A	EARPRE A		
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
2,4-D Ester		4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
Induce				0.25	% V/V	0.25	% V/V	EARPRE A	A		
Classic		25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C		
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
4	Valor	51	WG	0.064	LB A/A	2	OZ/A	EARPRE A	A	100 a	100 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
5	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	99 a	99 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C		
	6	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A		
Express XP		75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A		
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
2,4-D Ester		4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
Induce				0.25	% V/V	0.25	% V/V	EARPRE A	A		
Sequence		5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C		
Synchrony XP		28.4	DG	0.0178	LB A/A	0.284	OZ A/A	POST	C		

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
 Location: Ben Hur

Protocol ID: 08SB01JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

										PHYAN	MEOCO
										14/May/2008	14/May/2008
										Control	Control
										%	%
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl			
No.	Name	Conc	Type	Rate	Unit	Rate	Unit	Stage	Code		
7	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARP	PRE A	100 a	100 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	B		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
8	Nontreated									0 b	0 b
LSD (P=.05)										1.3	1.3
Standard Deviation										0.9	0.9
CV										1.01	1.01
Grand Mean										87.34	87.34
Bartlett's X2										0.0	0.0
P(Bartlett's X2)										.	.
Replicate F										1.000	1.000
Replicate Prob(F)										0.4123	0.4123
Treatment F										6378.144	6378.144
Treatment Prob(F)										0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
Location: Ben Hur

Protocol ID: 08SB01JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code									ECHCG	IPOLA	PHYAN					
Rating Date									4/Jun/2008	4/Jun/2008						
Rating Data Type									4/Jun/2008							
Rating Unit									Control %	Control %	Control %					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
1	Classic	25	WG	0.02	LB A/A	0.32	OZ A/A	EARPRE A	A	65 bc	79 a	94 a				
	Harmony GT	50	DF	0.00625	LB A/A	0.10	OZ A/A	EARPRE A	A							
	Valor	51	WG	0.0625	LB A/A	1.0	OZ A/A	EARPRE A	A							
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	EARPRE A	A							
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A							
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A							
	Classic	25	WG	0.00586	LB A/A	0.375	OZ WT/A	POST	C							
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	POST	C							
2	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	83 ab	95 a	99 a				
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A							
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A							
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A							
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A							
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C							
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C							
	3	Canopy	75	WG	0.188	LB A/A	4	OZ/A	EARPRE A				A	61 c	79 a	95 a
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A							
2,4-D Ester		4.0	L	1	LB A/A	2	PT/A	EARPRE A	A							
Induce				0.25	% V/V	0.25	% V/V	EARPRE A	A							
Classic		25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C							
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	POST	C							
4		Valor	51	WG	0.064	LB A/A	2	OZ/A	EARPRE A	A	83 ab	81 a	94 a			
		Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A						
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C							
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C							
5	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	84 ab	88 a	96 a				
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A							
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A							
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A							
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A							
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C							
	6	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A				A	78 abc	91 a	94 a
		Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A				A			
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A							
2,4-D Ester		4.0	L	1	LB A/A	2	PT/A	EARPRE A	A							
Induce				0.25	% V/V	0.25	% V/V	EARPRE A	A							
Sequence		5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C							
Synchrony XP		28.4	DG	0.0178	LB A/A	0.284	OZ A/A	POST	C							

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
 Location: Ben Hur

Protocol ID: 08SB01JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code										ECHCG	IPOLA	PHYAN
Rating Date										4/Jun/2008	4/Jun/2008	
Rating Data Type										4/Jun/2008		
Rating Unit										Control %	Control %	Control %
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
7	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARP	PRE A	95 a	68 a	94 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	B			
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C			
8	Nontreated									0 d	0 b	0 b
LSD (P=.05)										14.5	18.0	5.6
Standard Deviation										9.8	12.2	3.8
CV										14.38	16.84	4.59
Grand Mean										68.44	72.5	83.13
Bartlett's X2										3.1	13.954	10.639
P(Bartlett's X2)										0.685	0.016*	0.059
Replicate F										0.441	0.880	2.429
Replicate Prob(F)										0.7262	0.4672	0.0938
Treatment F										36.364	24.982	310.286
Treatment Prob(F)										0.0001	0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
Location: Ben Hur

Protocol ID: 08SB01JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

										ECHCG				
										Soybean				
										4/Jun/2008	11/Jun/2008			
										Injury	Control			
										%	%			
										Rating Unit				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	Classic	25	WG	0.02	LB A/A	0.32	OZ A/A	EARPRE A	A	0 a	96 a			
	Harmony GT	50	DF	0.00625	LB A/A	0.10	OZ A/A	EARPRE A	A					
	Valor	51	WG	0.0625	LB A/A	1.0	OZ A/A	EARPRE A	A					
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	EARPRE A	A					
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A					
	Classic	25	WG	0.00586	LB A/A	0.375	OZ WT/A	POST C	C					
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	POST C	C					
2	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	0 a	100 a			
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A					
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A					
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A					
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST C	C					
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST C	C					
	3	Canopy	75	WG	0.188	LB A/A	4	OZ/A	EARPRE A			A	0 a	95 a
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A					
2,4-D Ester		4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
Induce				0.25	% V/V	0.25	% V/V	EARPRE A	A					
Classic		25	WG	0.00586	LB A/A	0.375	OZ/A	POST C	C					
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	POST C	C					
4		Valor	51	WG	0.064	LB A/A	2	OZ/A	EARPRE A	A	0 a	99 a		
		Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A				
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST C	C					
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST C	C					
	5	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A			0 a	100 a
Express XP		75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A					
Roundup Power Max		5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A					
2,4-D Ester		4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
Induce				0.25	% V/V	0.25	% V/V	EARPRE A	A					
Sequence		5.25	SL	1.64	LB A/A	2.5	PT/A	POST C	C					
6		Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	0 a	98 a		
		Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A				
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A					
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A					
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A					
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST C	C					
	Synchrony XP	28.4	DG	0.0178	LB A/A	0.284	OZ A/A	POST C	C					

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
 Location: Ben Hur

Protocol ID: 08SB01JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

										ECHCG	
										Soybean	
										4/Jun/2008	11/Jun/2008
										Injury	Control
										%	%
Trt	Treatment	Form	Form	Rate	Rate	Other	Other	Growth	Appl		
No.	Name	Conc	Type	Rate	Unit	Rate	Rate	Stage	Code		
7	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE	A	0 a	100 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	B		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
8	Nontreated									0 a	0 b
LSD (P=.05)										0.0	3.3
Standard Deviation										0.0	2.2
CV										0.0	2.58
Grand Mean										0.0	85.94
Bartlett's X2										0.0	2.005
P(Bartlett's X2)										.	0.367
Replicate F										0.000	0.636
Replicate Prob(F)										1.0000	0.5999
Treatment F										0.000	985.000
Treatment Prob(F)										1.0000	0.0001

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
Location: Ben Hur

Protocol ID: 08SB01JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code										IPOLA	PHYAN
Rating Date										11/Jun/2008	11/Jun/2008
Rating Data Type										Control	Control
Rating Unit										%	%
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	Classic	25	WG	0.02	LB A/A	0.32	OZ A/A	EARPRE A	A	88 a	98 a
	Harmony GT	50	DF	0.00625	LB A/A	0.10	OZ A/A	EARPRE A	A		
	Valor	51	WG	0.0625	LB A/A	1.0	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ WT/A	POST	C		
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	POST	C		
2	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	90 a	100 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
3	Canopy	75	WG	0.188	LB A/A	4	OZ/A	EARPRE A	A	88 a	98 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
4	Valor	51	WG	0.064	LB A/A	2	OZ/A	EARPRE A	A	80 a	99 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
5	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	86 a	99 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C		
6	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	94 a	100 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C		
	Synchrony XP	28.4	DG	0.0178	LB A/A	0.284	OZ A/A	POST	C		

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
 Location: Ben Hur

Protocol ID: 08SB01JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

										IPOLA	PHYAN	
										11/Jun/2008	11/Jun/2008	
										Control	Control	
										%	%	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl				
No.	Name	Conc	Type	Rate	Unit	Rate	Rate	Unit	Stage	Code		
7	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE	A		65 b	99 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	B			
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C			
8	Nontreated										0 c	0 b
LSD (P=.05)											11.5	2.6
Standard Deviation											7.8	1.8
CV											10.59	2.07
Grand Mean											73.84	86.34
Bartlett's X2											8.318	3.001
P(Bartlett's X2)											0.216	0.70
Replicate F											3.304	4.388
Replicate Prob(F)											0.0401	0.0151
Treatment F											63.340	1523.401
Treatment Prob(F)											0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
Location: Ben Hur

Protocol ID: 08SB01JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code										Soybean	Soybean
Rating Date										11/Jun/2008	18/Sep/2008
Rating Data Type										Injury	plot wt.
Rating Unit										%	lbs
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	Classic	25	WG	0.02	LB A/A	0.32	OZ A/A	EARPRE A	A	0 b	11 a
	Harmony GT	50	DF	0.00625	LB A/A	0.10	OZ A/A	EARPRE A	A		
	Valor	51	WG	0.0625	LB A/A	1.0	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ WT/A	POST	C		
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	POST	C		
2	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	0 b	11 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C		
Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C			
3	Canopy	75	WG	0.188	LB A/A	4	OZ/A	EARPRE A	A	0 b	10 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C		
Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C			
4	Valor	51	WG	0.064	LB A/A	2	OZ/A	EARPRE A	A	0 b	12 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST	C		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
5	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	1 b	11 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C		
6	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	4 a	12 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A		
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A		
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A		
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST	C		
	Synchrony XP	28.4	DG	0.0178	LB A/A	0.284	OZ A/A	POST	C		

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
 Location: Ben Hur

Protocol ID: 08SB01JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code										Soybean	Soybean
Rating Date										11/Jun/2008	18/Sep/2008
Rating Data Type										Injury	plot wt.
Rating Unit										%	lbs.
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
7	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE	A	0 b	10 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	B		
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C		
8	Nontreated									0 b	
LSD (P=.05)										1.8	1.9
Standard Deviation										1.2	1.3
CV										195.18	11.67
Grand Mean										0.63	10.96
Bartlett's X2										0.0	7.581
P(Bartlett's X2)										1.00	0.27
Replicate F										1.400	0.289
Replicate Prob(F)										0.2706	0.8328
Treatment F										4.800	1.750
Treatment Prob(F)										0.0024	0.1667

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
Location: Ben Hur

Protocol ID: 08SB01JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code Soybean
Rating Date 18/Sep/2008
Rating Data Type YIELD
Rating Unit BU/A

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
1	Classic	25	WG	0.02	LB A/A	0.32	OZ A/A	EARPRE A	A	54.6 a
	Harmony GT	50	DF	0.00625	LB A/A	0.10	OZ A/A	EARPRE A	A	
	Valor	51	WG	0.0625	LB A/A	1.0	OZ A/A	EARPRE A	A	
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	EARPRE A	A	
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A	
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A	
	Classic	25	WG	0.00586	LB A/A	0.375	OZ WT/A	POST C	C	
	Roundup Power Max	5.5	SL	0.95	LB A/A	22	OZ/A	POST C	C	
2	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	53.9 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A	
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A	
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A	
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A	
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST C	C	
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST C	C	
3	Canopy	75	WG	0.188	LB A/A	4	OZ/A	EARPRE A	A	45.9 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A	
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A	
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A	
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST C	C	
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST C	C	
4	Valor	51	WG	0.064	LB A/A	2	OZ/A	EARPRE A	A	55.5 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A	
	Classic	25	WG	0.00586	LB A/A	0.375	OZ/A	POST C	C	
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST C	C	
5	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	54.8 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A	
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A	
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A	
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A	
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST C	C	
6	Classic	25	DF	0.0284	LB A/A	0.454	OZ A/A	EARPRE A	A	55.1 a
	Express XP	75	DF	0.0085	LB A/A	0.136	OZ A/A	EARPRE A	A	
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE A	A	
	2,4-D Ester	4.0	L	1	LB A/A	2	PT/A	EARPRE A	A	
	Induce			0.25	% V/V	0.25	% V/V	EARPRE A	A	
	Sequence	5.25	SL	1.64	LB A/A	2.5	PT/A	POST C	C	
	Synchrony XP	28.4	DG	0.0178	LB A/A	0.284	OZ A/A	POST C	C	

School of Plant, Environmental, and Soil Sciences

Pre-emergence/Post-emergence Control of Weeds in Soybean

Trial ID: 08SB01JG
 Location: Ben Hur

Protocol ID: 08SB01JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code Soybean
 Rating Date 18/Sep/2008
 Rating Data Type YIELD
 Rating Unit BU/A

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
7	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	EARPRE	A	47.2 a
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	B	
	Roundup Power Max	5.5	L	0.95	LB A/A	22	OZ/A	POST	C	

8 Nontreated

LSD (P=.05)	9.09
Standard Deviation	6.12
CV	11.67
Grand Mean	52.44
Bartlett's X2	7.581
P(Bartlett's X2)	0.27
Replicate F	0.289
Replicate Prob(F)	0.8328
Treatment F	1.750
Treatment Prob(F)	0.1666

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Green Plant Syndrome - Variety X Herbicide Test

Experiment number	08SB02JG	
Location.....	Ben Hur Research Farm – Baton Rouge LA	
Experimental design	Randomized Complete Block	
Number of reps	4	
Plot size	12X25 ft.	
Row width/# per plot	38"/4	
Soil type.....	clay loam	
OM (%).....	1.9	
pH.....	6.3	
Planting date	05-05-08	
Harvest date	N/A	
Crop/Variety	N/A	
Uniform std. treatment.....	Dual II Magnum 1pt + Valor 2oz	
Application type	POST A	POST B
Date applied (mm-dd-yy)	06-03-08	06-24-08
Time (hh:mm-hh:mm)	10:00am-11:00am	10:00-10:30am
Incorporation equipment.....	N/A	N/A
Incorporation depth.....	N/A	N/A
Air/Soil temperature (F)	90/88	85/87
Wind (mph/direction)	4-5/S	3-5/S
Cloud cover (%).....	40%	10%
Relative humidity (%)	50%	60%
Soil/Leaf surface moist.....	Dry/Dry	Dry/Moist
Crop stage/height.....	V4-V5/4-6"	R1/30-32"
Sprayer type/mph.....	CO ₂ bkpk/3.0	CO ₂ bkpk/3.0
Nozzle type/size.....	FF/11002VS	FF/11002VS
Boom ht/#noz/spacing (in)	18"/4/18"	18"/4/18"
GPA/psi (at nozzle)	15/25	15/25
Applied by	Boudreaux	Boudreaux
Weed species (population/ft ²)..:	(height/# leaves)	
N/A		
Rainfall (in.)		
0-24 hr/1-3 days.....	:	
4-7 days/2nd week.....	:	
3rd week/4th week.....	:	

Comments:

School of Plant, Environmental, and Soil Sciences

Green Plant Syndrome - Variety X Herbicide Test

Trial ID: 08SB02JG
Location: Ben Hur

Protocol ID: 08SB02JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code										SOYBEAN	SOYBEAN	
Rating Date										SOYBEAN	SOYBEAN	
Rating Data Type										29/Sep/2008	29/Sep/2008	
Rating Unit										29/Sep/2008	29/Sep/2008	
										leaf reten	green stems	greenpods
										%	%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	NK39A3									0 c	1 b	0 b
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
2	NK38D5									0 c	15 b	1 b
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
3	P94B73									0 c	1 b	0 b
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
4	TV48R14									0 c	1 b	0 b
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
5	DP4724RR									0 c	1 b	0 b
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
6	P95M80									0 c	0 b	0 b
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
7	TV55R15									0 c	0 b	0 b
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
8	AG6702									16 b	53 a	53 a
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
9	AG5905									0 c	1 b	0 b
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
10	HBK4924RR									0 c	6 b	0 b
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	A			
	Roundup Weather Max	5.5	L	1	LB A/A	23.3	OZ/A	POST	B			
11	HBKC4926									5 c	13 b	14 b
	No Glyphosate											
12	HBKC5025									0 c	0 b	0 b

No Glyphosate

School of Plant, Environmental, and Soil Sciences

Green Plant Syndrome - Variety X Herbicide Test

Trial ID: 08SB02JG
Location: Ben Hur

Protocol ID: 08SB02JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code								SOYBEAN	SOYBEAN	SOYBEAN
Rating Date								SOYBEAN	SOYBEAN	SOYBEAN
Rating Data Type								29/Sep/2008	29/Sep/2008	29/Sep/2008
Rating Unit								leaf reten	green stems	greenpods
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl		
No.	Name	Conc	Type	Rate	Rate	Rate	Stage	Code	%	%
13	NK39A3 No Glyphosate							0 c	1 b	0 b
14	NK38D5 No Glyphosate							0 c	0 b	0 b
15	P94B73 No Glyphosate							0 c	0 b	0 b
16	TV48R14 No Glyphosate							2 c	26 ab	4 b
17	DP4724RR No Glyphosate							0 c	0 b	0 b
18	P95M80 No Glyphosate							0 c	1 b	0 b
19	TV55R15 No Glyphosate							0 c	0 b	0 b
20	AG6702 No Glyphosate							26 a	53 a	59 a
21	AG5905 No Glyphosate							4 c	21 b	11 b
22	HBK4924RR No Glyphosate							0 c	13 b	1 b
LSD (P=.05)								6.2	22.8	17.3
Standard Deviation								4.4	16.1	12.2
CV								180.72	172.23	187.81
Grand Mean								2.42	9.37	6.5
Bartlett's X2								3.455	115.407	24.808
P(Bartlett's X2)								0.485	0.001*	0.001*
Replicate F								0.720	0.438	1.207
Replicate Prob(F)								0.5438	0.7265	0.3152
Treatment F								8.599	3.881	7.175
Treatment Prob(F)								0.0001	0.0001	0.0001

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Evaluation of Prefix on Weed Control and Soybean Injury

Experiment number	08SB03JG		
Location.....	Ben Hur Research Farm – Baton Rouge LA		
Experimental design	Randomized Complete Block		
Number of reps	4		
Plot size	5X30 ft.		
Row width/# per plot	15"/3		
Soil type.....	clay loam		
OM (%).....	1.9		
pH.....	6.3		
Planting date	04-30-08		
Harvest date	09-10-08		
Crop/Variety	AsGrow 4403 RR		
Uniform std. treatment.....	N/A		
Application type	PRE A	POST B	POST C
Date applied (mm-dd-yy)	05-01-08	05-21-08	06-04-08
Time (hh:mm-hh:mm)	7:00-7:15am	12:00-1:00pm	2:30-3:00pm
Incorporation equipment.....	N/A	N/A	N/A
Incorporation depth.....	N/A	N/A	N/A
Air/Soil temperature (F)	77/81	91/84	94/90
Wind (mph/direction)	1-2/E	3-5/S	3-5/S
Cloud cover (%).....	50%	25%	20%
Relative humidity (%)	30%	40%	40%
Soil/Leaf surface moist.....	Dry/N/A	Dry/Dry	Dry/Dry
Crop stage/height.....	N/A	V2/3-5"	V3/4-5"
Sprayer type/mph.....	CO ₂ bkpk/3.0	CO ₂ bkpk/3.0	CO ₂ bkpk/3.0
Nozzle type/size.....	FF/11002VS	FF/11002VS	FF/11002VS
Boom ht/#noz/spacing (in)	18"/4/18"	18"/4/18"	18"/4/18"
GPA/psi (at nozzle)	15/25	15/25	15/25
Applied by	Boudreaux	Boudreaux	Boudreaux
Weed species (population/ft ²)..	(height/# leaves)		
IPOSS (0-1)	2-5"/4-6lf	4-6"/8-12lf	
ECHCG (1-2).....	2-4"/4-6lf	4-6"/10-18lf	
BRAPP (1-2)	2-4"/4-6lf		
MEOCO (2-3).....	1-2"/2-4lf	2-4"/6-10lf	

Rainfall (in.)
0-24 hr/1-3 days..... :
4-7 days/2nd week..... :
3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Evaluation of Prefix on Weed Control and Soybean Injury

Trial ID: 08SB03JG
 Location: Ben Hur

Protocol ID: 08SB03JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code										GRASS 14/May/2008 Control %	IPOLA 14/May/2008 Control %	PHYAN 14/May/2008 Control %
Rating Date	Rating Data Type	Rating Unit										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	Prefix	5.29	EC	1.32	LB A/A 2	PT/A		PRE	A	95 a	95 a	95 a
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	C			
2	Prefix	5.29	EC	1.32	LB A/A 2	PT/A		POST	B	0 b	0 b	0 b
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B			
3	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	0 b	0 b
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	C			
4	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	0 b	0 b
	Classic	25	DG	0.0052	LB A/A 0.333	OZ/A		POST	B			
5	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	0 b	0 b
	First Rate	84	WDG	0.0158	LB A/A 0.3	OZ/A		POST	B			
6	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	0 b	0 b
	Resource	0.86	L	0.027	LB A/A 4.0	OZ/A		POST	B			
7	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	0 b	0 b
	Ultra Blazer	2	L	0.25	LB A/A 1	PT/A		POST	B			
8	Nontreated									0 b	0 b	0 b
LSD (P=.05)										0.0	0.0	0.0
Standard Deviation										0.0	0.0	0.0
CV										0.0	0.0	0.0
Grand Mean										11.88	11.88	11.88
Bartlett's X2										0.0	0.0	0.0
P(Bartlett's X2)										.	.	.
Replicate F										0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000

School of Plant, Environmental, and Soil Sciences

Evaluation of Prefix on Weed Control and Soybean Injury

Trial ID: 08SB03JG
Location: Ben Hur

Protocol ID: 08SB03JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code										MEOCO	ECHCG	IPOLA
Rating Date										14/May/2008	28/May/2008	28/May/2008
Rating Data Type										Control	Control	Control
Rating Unit										%	%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	Prefix	5.29	EC	1.32	LB A/A 2	PT/A		PRE	A	95 a	91 b	91 ab
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	C			
2	Prefix	5.29	EC	1.32	LB A/A 2	PT/A		POST	B	0 b	98 a	98 a
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B			
3	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	100 a	78 c
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	C			
4	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	100 a	84 bc
	Classic	25	DG	0.0052	LB A/A 0.333	OZ/A		POST	B			
5	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	99 a	79 c
	First Rate	84	WDG	0.0158	LB A/A 0.3	OZ/A		POST	B			
6	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	96 a	88 abc
	Resource	0.86	L	0.027	LB A/A 4.0	OZ/A		POST	B			
7	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	0 b	96 a	94 ab
	Ultra Blazer	2	L	0.25	LB A/A 1	PT/A		POST	B			
8	Nontreated									0 b	0 c	0 d
LSD (P=.05)										0.0	3.7	7.6
Standard Deviation										0.0	2.5	5.1
CV										0.0	2.94	6.75
Grand Mean										11.88	85.0	76.25
Bartlett's X2										0.0	2.71	15.936
P(Bartlett's X2)										.	0.607	0.014*
Replicate F										0.000	1.000	1.180
Replicate Prob(F)										1.0000	0.4123	0.3413
Treatment F										0.000	760.000	150.742
Treatment Prob(F)										1.0000	0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Evaluation of Prefix on Weed Control and Soybean Injury

Trial ID: 08SB03JG
 Location: Ben Hur

Protocol ID: 08SB03JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

										PHYAN	MEOCO	SOYBEAN
										28/May/2008	28/May/2008	28/May/2008
										Control	Control	Injury
										%	%	%
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl				
No.	Name	Conc	Type	Rate	Unit	Rate	Unit	Stage	Code			
1	Prefix	5.29	EC	1.32	LB A/A	2	PT/A	PRE	A	99 a	99 a	0 c
	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	C			
2	Prefix	5.29	EC	1.32	LB A/A	2	PT/A	POST	B	100 a	100 a	15 a
	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B			
3	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	100 a	100 a	0 c
	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	C			
4	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	100 a	100 a	0 c
	Classic	25	DG	0.0052	LB A/A	0.333	OZ/A	POST	B			
5	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	100 a	100 a	0 c
	First Rate	84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B			
6	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	100 a	100 a	11 b
	Resource	0.86	L	0.027	LB A/A	4.0	OZ/A	POST	B			
7	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	100 a	100 a	15 a
	Ultra Blazer	2	L	0.25	LB A/A	1	PT/A	POST	B			
8	Nontreated									0 b	0 b	0 c
LSD (P=.05)										1.3	1.3	1.3
Standard Deviation										0.9	0.9	0.9
CV										1.01	1.01	17.14
Grand Mean										87.34	87.34	5.16
Bartlett's X2										0.0	0.0	0.0
P(Bartlett's X2)										.	.	.
Replicate F										1.000	1.000	1.000
Replicate Prob(F)										0.4123	0.4123	0.4123
Treatment F										6378.144	6378.144	266.143
Treatment Prob(F)										0.0001	0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Evaluation of Prefix on Weed Control and Soybean Injury

Trial ID: 08SB03JG
 Location: Ben Hur

Protocol ID: 08SB03JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code										ECHCG	IPOLA	PHYAN
Rating Date										4/Jun/2008	4/Jun/2008	4/Jun/2008
Rating Data Type										Control	Control	Control
Rating Unit										%	%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
1	Prefix	5.29	EC	1.32	LB A/A 2	PT/A		PRE	A	81 b	68 c	86 b
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	C			
2	Prefix	5.29	EC	1.32	LB A/A 2	PT/A		POST	B	97 a	97 ab	99 a
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B			
3	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	99 a	81 b	96 a
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	C			
4	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	100 a	90 ab	98 a
	Classic	25	DG	0.0052	LB A/A 0.333	OZ/A		POST	B			
5	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	99 a	86 ab	99 a
	First Rate	84	WDG	0.0158	LB A/A 0.3	OZ/A		POST	B			
6	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	99 a	88 ab	98 a
	Resource	0.86	L	0.027	LB A/A 4.0	OZ/A		POST	B			
7	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	99 a	99 a	100 a
	Ultra Blazer	2	L	0.25	LB A/A 1	PT/A		POST	B			
8	Nontreated									0 c	0 d	0 c
LSD (P=.05)										3.9	11.4	7.0
Standard Deviation										2.7	7.8	4.8
CV										3.18	10.2	5.67
Grand Mean										84.09	76.03	84.38
Bartlett's X2										6.722	11.003	14.975
P(Bartlett's X2)										0.242	0.088	0.01*
Replicate F										2.468	2.008	2.091
Replicate Prob(F)										0.0902	0.1436	0.1320
Treatment F										668.097	69.098	206.104
Treatment Prob(F)										0.0001	0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Evaluation of Prefix on Weed Control and Soybean Injury

Trial ID: 08SB03JG
 Location: Ben Hur

Protocol ID: 08SB03JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

										MEOCO			
										4/Jun/2008	4/Jun/2008	11/Jun/2008	
										Control	Injury	Injury	
										%	%	%	
Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	Prefix	5.29	EC	1.32	LB A/A	2	PT/A	PRE	A	86 b	0 c	0 a	
	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	C				
2	Prefix	5.29	EC	1.32	LB A/A	2	PT/A	POST	B	99 a	10 a	0 a	
	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B				
3	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	96 a	0 c	0 a	
	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	C				
4	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	98 a	0 c	0 a	
	Classic	25	DG	0.0052	LB A/A	0.333	OZ/A	POST	B				
5	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	99 a	4 b	0 a	
	First Rate	84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B				
6	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	98 a	8 a	0 a	
	Resource	0.86	L	0.027	LB A/A	4.0	OZ/A	POST	B				
7	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	100 a	9 a	0 a	
	Ultra Blazer	2	L	0.25	LB A/A	1	PT/A	POST	B				
8	Nontreated									0 c	0 c	0 a	
LSD (P=.05)										7.0	2.3	0.0	
Standard Deviation										4.8	1.5	0.0	
CV										5.67	41.15	0.0	
Grand Mean										84.38	3.75	0.0	
Bartlett's X2										14.975	0.082	0.0	
P(Bartlett's X2)										0.01*	0.96	.	
Replicate F										2.091	1.750	0.000	
Replicate Prob(F)										0.1320	0.1876	1.0000	
Treatment F										206.104	32.250	0.000	
Treatment Prob(F)										0.0001	0.0001	1.0000	

School of Plant, Environmental, and Soil Sciences

Evaluation of Prefix on Weed Control and Soybean Injury

Trial ID: 08SB03JG
 Location: Ben Hur

Protocol ID: 08SB03JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code										ECHCG	PHYAN	IPOLA
Rating Date										1/Jul/2008	1/Jul/2008	1/Jul/2008
Rating Data Type										Control	Control	Control
Rating Unit										%	%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
1	Prefix	5.29	EC	1.32	LB A/A 2	PT/A		PRE	A	98 a	99 a	80 a
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	C			
2	Prefix	5.29	EC	1.32	LB A/A 2	PT/A		POST	B	93 ab	100 a	90 a
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B			
3	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	78 c	90 a	88 a
	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	C			
4	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	86 bc	98 a	88 a
	Classic	25	DG	0.0052	LB A/A 0.333	OZ/A		POST	B			
5	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	94 ab	100 a	100 a
	First Rate	84	WDG	0.0158	LB A/A 0.3	OZ/A		POST	B			
6	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	85 bc	89 a	99 a
	Resource	0.86	L	0.027	LB A/A 4.0	OZ/A		POST	B			
7	Touchdown Total	4.17	L	0.78	LB A/A 24	OZ/A		POST	B	90 ab	93 a	90 a
	Ultra Blazer	2	L	0.25	LB A/A 1	PT/A		POST	B			
8	Nontreated									0 d	0 b	0 b
LSD (P=.05)										7.8	8.5	21.1
Standard Deviation										5.3	5.8	14.3
CV										6.85	6.97	18.11
Grand Mean										77.75	83.44	79.16
Bartlett's X2										6.375	8.379	8.39
P(Bartlett's X2)										0.271	0.079	0.136
Replicate F										0.937	0.278	0.593
Replicate Prob(F)										0.4404	0.8410	0.6263
Treatment F										144.456	136.956	20.710
Treatment Prob(F)										0.0001	0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Evaluation of Prefix on Weed Control and Soybean Injury

Trial ID: 08SB03JG
Location: Ben Hur

Protocol ID: 08SB03JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code												SOYBEAN	SOYBEAN
Rating Date												10/Sep/2008	10/Sep/2008
Rating Data Type												YIELD	YIELD
Rating Unit												lbs/plot	BU/A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code				
1	Prefix	5.29	EC	1.32	LB A/A	2	PT/A	PRE	A	10 ab	49.4 ab		
	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	C				
2	Prefix	5.29	EC	1.32	LB A/A	2	PT/A	POST	B	10 ab	46.3 ab		
	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B				
3	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	9 b	42.8 b		
	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	C				
4	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	9 ab	44.5 ab		
	Classic	25	DG	0.0052	LB A/A	0.333	OZ/A	POST	B				
5	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	11 a	52.7 a		
	First Rate	84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B				
6	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	9 ab	44.4 ab		
	Resource	0.86	L	0.027	LB A/A	4.0	OZ/A	POST	B				
7	Touchdown Total	4.17	L	0.78	LB A/A	24	OZ/A	POST	B	10 ab	45.8 ab		
	Ultra Blazer	2	L	0.25	LB A/A	1	PT/A	POST	B				
8	Nontreated									2 c	8.8 c		
LSD (P=.05)											1.2	5.54	
Standard Deviation											0.8	3.77	
CV											9.01	9.01	
Grand Mean											8.74	41.83	
Bartlett's X2											7.259	7.258	
P(Bartlett's X2)											0.402	0.402	
Replicate F											6.776	6.777	
Replicate Prob(F)											0.0023	0.0023	
Treatment F											52.984	52.987	
Treatment Prob(F)											0.0001	0.0001	

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Dicamba Drift Rate Study

Experiment number : 08SB05JG
Location..... : Ben Hur Research Farm – Baton Rouge LA
Experimental design : Randomized Complete Block
Number of reps : 4
Plot size : 5X25 ft.
Row width/# per plot : 15"/3
Soil type..... : clay loam
OM (%)..... : 1.9
pH..... : 6.3
Planting date : 05-20-08
Harvest date : N/A
Crop/Variety : DPL 5808RR
Uniform std. treatment..... : N/A

Application type : POST A
Date applied (mm-dd-yy) : 06-16-08
Time (hh:mm-hh:mm) : 10:00-10:30am
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : 89/90
Wind (mph/direction) : 3-5/SW
Cloud cover (%)..... : 50%
Relative humidity (%) : 50%
Soil/Leaf surface moist..... : Dry/Dry
Crop stage/height..... : V3-V4/12-15"
Sprayer type/mph..... : CO₂bkpk/3.0
Nozzle type/size..... : FF/11002VS
Boom ht/#noz/spacing (in) : 18"/4/18"
GPA/psi (at nozzle) : 15/25
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days..... :
4-7 days/2nd week..... :
3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Dicamba Drift Rate Study

Trial ID: 08SB05JG
Location: Ben Hur

Protocol ID: 08SB05JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code												SOYBEAN	SOYBEAN	SOYBEAN
Rating Date												26/Jun/2008	1/Jul/2008	18/Jul/2008
Rating Data Type												Injury	Injury	Heights
Rating Unit												%	%	inches
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	V3-V4 Clarity	4	L	0.25	LB AE/A	8	OZ/A	POST	A	88 a	96 a	8 g		
2	V3-V4 Clarity	4	L	0.125	LB AE/A	4	OZ/A	POST	A	71 b	79 b	13 f		
3	V3-V4 Clarity	4	L	0.0625	LB AE/A	2	OZ/A	POST	A	61 bc	65 c	17 e		
4	V3-V4 Clarity	4	L	0.0313	LB AE/A	1	OZ/A	POST	A	51 cd	59 cd	21 d		
5	V3-V4 Clarity	4	L	0.0156	LB AE/A	0.5	OZ/A	POST	A	45 de	51 de	24 c		
6	V3-V4 Clarity	4	L	0.0078	LB AE/A	0.25	OZ/A	POST	A	41 de	48 e	28 b		
7	V3-V4 Clarity	4	L	0.0039	LB AE/A	0.125	OZ/A	POST	A	35 e	46 e	30 b		
8	Nontreated									0 f	0 f	39 a		
LSD (P=.05)										11.0	8.9	2.5		
Standard Deviation										7.5	6.0	1.7		
CV										15.23	10.9	7.58		
Grand Mean										49.06	55.44	22.54		
Bartlett's X2										8.295	2.907	10.464		
P(Bartlett's X2)										0.217	0.82	0.164		
Replicate F										3.752	3.942	6.610		
Replicate Prob(F)										0.0266	0.0224	0.0028		
Treatment F										49.208	86.581	140.322		
Treatment Prob(F)										0.0001	0.0001	0.0001		

School of Plant, Environmental, and Soil Sciences

Dicamba Drift Rate Study

Trial ID: 08SB05JG
 Location: Ben Hur

Protocol ID: 08SB05JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code												SOYBEAN	SOYBEAN	SOYBEAN
Rating Date												18/Jul/2008	18/Jul/2008	18/Jul/2008
Rating Data Type												%Reduction	Width	%Reduction
Rating Unit												height	inches	width
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	V3-V4 Clarity	4	L	0.25	LB AE/A	8	OZ/A	POST	A	81 a	6 f	74 a		
2	V3-V4 Clarity	4	L	0.125	LB AE/A	4	OZ/A	POST	A	66 b	11 e	48 b		
3	V3-V4 Clarity	4	L	0.0625	LB AE/A	2	OZ/A	POST	A	56 c	14 d	36 c		
4	V3-V4 Clarity	4	L	0.0313	LB AE/A	1	OZ/A	POST	A	45 d	15 cd	32 cd		
5	V3-V4 Clarity	4	L	0.0156	LB AE/A	0.5	OZ/A	POST	A	39 e	17 c	25 d		
6	V3-V4 Clarity	4	L	0.0078	LB AE/A	0.25	OZ/A	POST	A	28 f	19 b	16 e		
7	V3-V4 Clarity	4	L	0.0039	LB AE/A	0.125	OZ/A	POST	A	24 f	20 b	11 e		
8	Nontreated									0 g	22 a	0 f		
LSD (P=.05)										5.1	1.7	8.4		
Standard Deviation										3.5	1.2	5.7		
CV										8.2	7.45	18.95		
Grand Mean										42.19	15.65	30.18		
Bartlett's X2										3.695	5.538	6.771		
P(Bartlett's X2)										0.718	0.595	0.343		
Replicate F										15.733	7.059	2.261		
Replicate Prob(F)										0.0001	0.0020	0.1126		
Treatment F										217.768	79.791	66.296		
Treatment Prob(F)										0.0001	0.0001	0.0001		

School of Plant, Environmental, and Soil Sciences

Dicamba Drift Rate Study

Trial ID: 08SB05JG
Location: Ben Hur

Protocol ID: 08SB05JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code										SOYBEAN	SOYBEAN
Rating Date										29/Sep/2008	29/Sep/2008
Rating Data Type										plot wt.	YIELD
Rating Unit										lbs.	BU
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	V3-V4 Clarity	4	L	0.25	LB AE/A	8	OZ/A	POST	A	0 e	1.74 e
2	V3-V4 Clarity	4	L	0.125	LB AE/A	4	OZ/A	POST	A	2 d	12.17 d
3	V3-V4 Clarity	4	L	0.0625	LB AE/A	2	OZ/A	POST	A	4 c	20.46 c
4	V3-V4 Clarity	4	L	0.0313	LB AE/A	1	OZ/A	POST	A	5 b	29.45 b
5	V3-V4 Clarity	4	L	0.0156	LB AE/A	0.5	OZ/A	POST	A	6 b	32.22 b
6	V3-V4 Clarity	4	L	0.0078	LB AE/A	0.25	OZ/A	POST	A	6 ab	36.46 ab
7	V3-V4 Clarity	4	L	0.0039	LB AE/A	0.125	OZ/A	POST	A	6 ab	37.33 ab
8	Nontreated									7 a	42.75 a
LSD (P=.05)										1.0	5.932
Standard Deviation										0.7	4.008
CV										15.08	15.08
Grand Mean										4.58	26.57
Bartlett's X2										20.324	20.324
P(Bartlett's X2)										0.005*	0.005*
Replicate F										0.124	0.125
Replicate Prob(F)										0.9445	0.9444
Treatment F										48.964	48.965
Treatment Prob(F)										0.0001	0.0001

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Soybean Dicamba R1 Drift Study

Experiment number : 08SB06JG
Location..... : Ben Hur Research Farm – Baton Rouge LA
Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 5X25 ft.
 Row width/# per plot : 15"/3
Soil type..... : clay loam
 OM (%)..... : 1.9
 pH..... : 6.3
Planting date : N/A
Harvest date : N/A
Crop/Variety : N/A
Uniform std. treatment..... : N/A

Application type : POST A
Date applied (mm-dd-yy) : 07-17-08
Time (hh:mm-hh:mm) : 9:00-9:30am
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : 90/92
Wind (mph/direction) : 1-2/SW
Cloud cover (%)..... : 50%
Relative humidity (%) : 70%
Soil/Leaf surface moist : Dry/Dry
Crop stage/height : R1/36-40"
Sprayer type/mpg..... : CO₂bkpk/3.0
Nozzle type/size..... : FF/11002VS
Boom ht/#noz/spacing (in) : 18"/4/18"
GPA/psi (at nozzle) : 15/25
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days :
4-7 days/2nd week :
3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Soybean Dicamba R1 Drift Study

Trial ID: 08SB06JG
Location: Ben Hur

Protocol ID: 08SB06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

										SOYBEAN	SOYBEAN	SOYBEAN	
										20/Aug/2008	29/Sep/2008	29/Sep/2008	
										Injury	plot wt.	YIELD	
										%	lbs	BU	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl					
No.	Name	Conc	Type	Rate	Unit	Rate	Rate	Unit	Stage	Code			
1	Clarity	4	L	0.0625	LB A/A	2	OZ/A	R1	POST A	79 a	1 e	6.01 e	
2	Clarity	4	L	0.0313	LB A/A	1	OZ/A	R1	POST A	63 b	3 d	15.5 d	
3	Clarity	4	L	0.0156	LB A/A	0.5	OZ/A	R1	POST A	54 b	4 cd	22.2cd	
4	Clarity	4	L	0.0078	LB A/A	0.25	OZ/A	R1	POST A	44 c	4 bc	25.3 bc	
5	Clarity	4	L	0.0039	LB A/A	0.125	OZ/A	R1	POST A	30 d	5 ab	31.2 ab	
6	Clarity	4	L	0.00197	LB A/A	0.063	OZ/A	R1	POST A	14 e	6 a	34.4 a	
7	Clarity	4	L	0.00097	LB A/A	0.031	OZ/A	R1	POST A	11 e	7 a	39.7 a	
8	Nontreated										0 f	6 a	37.5 a
LSD (P=.05)										9.9	1.2	6.883	
Standard Deviation										6.7	0.8	4.680	
CV										18.33	17.68	17.68	
Grand Mean										36.78	4.56	26.47	
Bartlett's X2										15.46	4.298	4.298	
P(Bartlett's X2)										0.017*	0.745	0.745	
Replicate F										0.749	0.597	0.597	
Replicate Prob(F)										0.5353	0.6237	0.6237	
Treatment F										66.843	24.577	24.576	
Treatment Prob(F)										0.0001	0.0001	0.0001	

Louisiana State University
 Department of Agronomy and Environmental Management

Fungicide, Insecticide, and Harvest Aid Interaction Study

Experiment number : 08SB01JB
 Location..... : Ben Hur
 Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 33X30 ft.
 Row width/# per plot : 15"/3
 Soil type..... : clay loam
 OM (%)..... : 1.9
 pH..... : 6.3
 Planting date : 04-30-08
 Harvest date : 09-10-08
 Crop/Variety : AsGrow 4403RR
 Uniform std. treatment..... : N/A

Application type	POST A	POST B	POST C	POST D
Date applied (mm-dd-yy)	06-18-08	07-08-08	07-22-08	07-24-08
Time (hh:mm-hh:mm)	8:30-9:00am	9:00-9:30am	11:00-12:00	10:00-10:30am
Incorporation equipment.....	N/A	N/A	N/A	N/A
Incorporation depth.....	N/A	N/A	N/A	N/A
Air/Soil temperature (F)	82/85	80/82	90/91	88/90
Wind (mph/direction)	2-3/S	3-5/S	1-3/SE	3-6/E
Cloud cover (%).....	10%	30%	50%	50%
Relative humidity (%)	50%	70%	60%	65%
Soil/Leaf surface moist	Dry/Moist	Dry/Moist	Dry/Dry	Dry/Dry
Crop stage/height.....	R1/24-28"	R3/30-32"	R5/38-42"	R5/38-42"
Sprayer type/mph.....	trctr.pto/4.87	trctr.pto/4.87	trctr. pto/4.87	trctr. pto/4.87
Nozzle type/size.....	FF/8003VS	FF/8003VS	FF/8003VS	FF/8003VS
Boom ht/#noz/spacing (in)	18"/23/18"	18"/18/18"	18"/18/18"	18"/18/18"
GPA/psi (at nozzle)	15/30	15/30	15/30	15/30
Applied by	Boudreaux	Boudreaux	Boudreaux	Boudreaux

Weed species (population/ft²).. : (height/# leaves)
 N/A

Rainfall (in.)
 0-24 hr/1-3 days..... :
 4-7 days/2nd week..... :
 3rd week/4th week..... :

Comments:

Project Code: 08SB01JB

Application type	POST C&D	POST E
Date applied (mm-dd-yy)	08-07-08	08-26-08
Time (hh:mm-hh:mm)	10:00-12:00am	12:30-1:30pm
Incorporation equipment.....	N/A	N/A
Incorporation depth.....	N/A	N/A
Air/Soil temperature (F)	95/94	88/90
Wind (mph/direction)	3-5/SE	5-6/E
Cloud cover (%).....	30%	75%
Relative humidity (%)	65%	60%
Soil/Leaf surface moist.....	Moist/Dry	Moist/Dry
Crop stage/height.....	R5-R6	R6.5
Sprayer type/mpg.....	trctr pto/4.87	trctr pto/4.87
Nozzle type/size.....	FF/11003VS	FF/11003VS
Boom ht/#noz/spacing (in)	18"/18/18"	18"/18/18"
GPA/psi (at nozzle)	15/30	15/30
Applied by	Boudreaux	Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days..... :
4-7 days/2nd week

Comments:

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
 Location: Ben Hur

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code SOYBEAN
 Rating Date 10/Sep/2008
 Rating Data Type leaf reten
 Rating Unit %

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
1	No Fungicide No Insecticide No Harvest Aid								2.25 bc
2	No Fungicide No Insecticide Gramaxone Inteon Induce	2.0	SL L	0.25 0.25	lb ai/a % v/v	1.0 0.25	pt/a % v/v	E E	0.00 c
3	No Fungicide Karate as needed 5-7d No Harvest Aid	1	EC	0.018	lb ai/a	2.3	oz/a	C	1.00 c
4	No Fungicide Karate as needed 5-7d Gramaxone Inteon Induce	1 2.0	EC SL L	0.018 0.25 0.25	lb ai/a lb ai/a % v/v	2.3 1.0 0.25	oz/a pt/a % v/v	C E E	0.00 c
5	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d No Harvest Aid	90 2	S L	0.9 0.044	lb ai/a lb ai/a	1.0 2.82	lb/a oz/a	D D	1.50 bc
6	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d Gramaxone Inteon Induce	90 2 2.0	S L SL L	0.9 0.044 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	1.0 2.82 1.0 0.25	lb/a oz/a pt/a % v/v	D D E E	0.00 c
7	Headline Topsin M No Insecticide No Harvest Aid	2.09 70	L WP	0.196 0.7	lb ai/a lb ai/a	12 1	oz/a lb/a	R3 R3 B B	4.50 a
8	Headline Topsin M No Insecticide Gramaxone Inteon Induce	2.09 70 2.0	L WP SL L	0.196 0.7 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	12 1 1.0 0.25	oz/a lb/a pt/a % v/v	R3 R3 E E	0.00 c
9	Headline Topsin M Karate as needed 5-7d No Harvest Aid	2.09 70 1	L WP EC	0.196 0.7 0.018	lb ai/a lb ai/a lb ai/a	12 1 2.3	oz/a lb/a oz/a	R3 R3 B B C	1.63 bc

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code
Crop Code SOYBEAN
Rating Date 10/Sep/2008
Rating Data Type leaf reten
Rating Unit %

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code	
10	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	0.00 c
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B	
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C	
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E	
	Induce		L	0.25	% v/v	0.25	% v/v		E	
11	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	2.00 bc
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B	
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D	
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D	
	No Harvest Aid									
12	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	0.00 c
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B	
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D	
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D	
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E	
	Induce		L	0.25	% v/v	0.25	% v/v		E	
13	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	3.75 ab
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C	
	No Insecticide									
	No Harvest Aid									
14	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	0.00 c
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C	
	No Insecticide									
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E	
	Induce		L	0.25	% v/v	0.25	% v/v		E	
15	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	2.75 abc
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C	
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C	
	No Harvest Aid									

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code SOYBEAN
Rating Date 10/Sep/2008
Rating Data Type leaf reten
Rating Unit %

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code	
16	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	0.00 c
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C	
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C	
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E	
	Induce		L	0.25	% v/v	0.25	% v/v		E	
17	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	1.75 bc
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C	
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D	
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D	
	No Harvest Aid									
18	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	0.00 c
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B	
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C	
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C	
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D	
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D	
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E	
	Induce		L	0.25	% v/v	0.25	% v/v		E	
LSD (P=.05)										1.652
Standard Deviation										1.168
CV										99.52
Grand Mean										1.17
Bartlett's X2										12.598
P(Bartlett's X2)										0.126
Replicate F										2.229
Replicate Prob(F)										0.0960
Treatment F										6.054
Treatment Prob(F)										0.0001

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code	SOYBEAN	SOYBEAN
Rating Date	10/Sep/2008	10/Sep/2008
Rating Data Type	Green stem	Green pod
Rating Unit	%	%

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Green stem %	Green pod %
1	No Fungicide No Insecticide No Harvest Aid								44.50 a	7.00 a
2	No Fungicide No Insecticide Gramaxone Inteon Induce	2.0	SL L	0.25 0.25	lb ai/a % v/v	1.0 0.25	pt/a % v/v	E E	13.75 bc	3.25 bc
3	No Fungicide Karate as needed 5-7d No Harvest Aid	1	EC	0.018	lb ai/a	2.3	oz/a	C	12.50 bc	3.00 bc
4	No Fungicide Karate as needed 5-7d Gramaxone Inteon Induce	1 2.0	EC SL L	0.018 0.25 0.25	lb ai/a lb ai/a % v/v	2.3 1.0 0.25	oz/a pt/a % v/v	C E E	2.50 c	0.75 c
5	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d No Harvest Aid	90 2	S L	0.9 0.044	lb ai/a lb ai/a	1.0 2.82	lb/a oz/a	D D	18.50 bc	1.50 bc
6	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d Gramaxone Inteon Induce	90 2 2.0	S L SL L	0.9 0.044 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	1.0 2.82 1.0 0.25	lb/a oz/a pt/a % v/v	D D E E	1.25 c	0.25 c
7	Headline Topsin M No Insecticide No Harvest Aid	2.09 70	L WP	0.196 0.7	lb ai/a lb ai/a	12 1	oz/a lb/a	R3 R3 B B	26.25 abc	5.25 ab
8	Headline Topsin M No Insecticide Gramaxone Inteon Induce	2.09 70 2.0	L WP SL L	0.196 0.7 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	12 1 1.0 0.25	oz/a lb/a pt/a % v/v	R3 R3 E E	1.00 c	0.25 c
9	Headline Topsin M Karate as needed 5-7d No Harvest Aid	2.09 70 1	L WP EC	0.196 0.7 0.018	lb ai/a lb ai/a lb ai/a	12 1 2.3	oz/a lb/a oz/a	R3 R3 B B C	14.50 bc	2.25 bc

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code	SOYBEAN	SOYBEAN
Rating Date	10/Sep/2008	10/Sep/2008
Rating Data Type	Green stem	Green pod
Rating Unit	%	%

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	Appl Code	Green stem %	Green pod %
10	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R3	B	0.75 c	0.25 c
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R3	B		
	Karate as needed 5-7d	1	EC	0.018 lb ai/a	2.3 oz/a			C		
	Gramaxone Inteon	2.0	SL	0.25 lb ai/a	1.0 pt/a			E		
	Induce		L	0.25 % v/v	0.25 % v/v			E		
11	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R3	B	13.25 bc	1.25 c
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R3	B		
	Orthene as needed 5-7 d	90	S	0.9 lb ai/a	1.0 lb/a			D		
	Bathroid as needed 5-7 d	2	L	0.044 lb ai/a	2.82 oz/a			D		
	No Harvest Aid									
12	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R3	B	1.00 c	0.00 c
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R3	B		
	Orthene as needed 5-7 d	90	S	0.9 lb ai/a	1.0 lb/a			D		
	Bathroid as needed 5-7 d	2	L	0.044 lb ai/a	2.82 oz/a			D		
	Gramaxone Inteon	2.0	SL	0.25 lb ai/a	1.0 pt/a			E		
	Induce		L	0.25 % v/v	0.25 % v/v			E		
13	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R1	A	36.25 ab	6.75 a
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R1	A		
	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R3	B		
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R3	B		
	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R5	C		
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R5	C		
	No Insecticide									
	No Harvest Aid									
14	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R1	A	4.25 c	0.25 c
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R1	A		
	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R3	B		
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R3	B		
	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R5	C		
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R5	C		
	No Insecticide									
	Gramaxone Inteon	2.0	SL	0.25 lb ai/a	1.0 pt/a			E		
Induce		L	0.25 % v/v	0.25 % v/v			E			
15	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R1	A	28.25 abc	2.75 bc
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R1	A		
	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R3	B		
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R3	B		
	Headline	2.09	L	0.196 lb ai/a	12 oz/a		R5	C		
	Topsin M	70	WP	0.7 lb ai/a	1 lb/a		R5	C		
	Karate as needed 5-7d	1	EC	0.018 lb ai/a	2.3 oz/a			C		
No Harvest Aid										

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code	SOYBEAN	SOYBEAN
Rating Date	10/Sep/2008	10/Sep/2008
Rating Data Type	Green stem	Green pod
Rating Unit	%	%

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code	Green stem %	Green pod %	
16	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	5.25 c	0.00 c
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
17	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	18.00 bc	2.00 bc
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	No Harvest Aid										
18	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	3.63 c	0.50 c
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
LSD (P=.05)									15.774	2.472	
Standard Deviation									11.154	1.748	
CV									81.82	84.48	
Grand Mean									13.63	2.07	
Bartlett's X2									68.979	50.483	
P(Bartlett's X2)									0.001*	0.001*	
Replicate F									3.957	5.712	
Replicate Prob(F)									0.0130	0.0019	
Treatment F									5.491	6.628	
Treatment Prob(F)									0.0001	0.0001	

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
 Location: Ben Hur

Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Crop Code				SOYBEAN		SOYBEAN				
Rating Date				10/Sep/2008		10/Sep/2008				
Rating Data Type				plot wt		moisture				
Rating Unit				lbs		%				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	No Fungicide No Insecticide No Harvest Aid								13.16 a	15.10 ab
2	No Fungicide No Insecticide Gramaxone Inteon Induce	2.0	SL L	0.25 0.25	lb ai/a % v/v	1.0 0.25	pt/a % v/v	E E	12.01 a	14.88 ab
3	No Fungicide Karate as needed 5-7d No Harvest Aid	1	EC	0.018	lb ai/a	2.3	oz/a	C	13.56 a	14.33 ab
4	No Fungicide Karate as needed 5-7d Gramaxone Inteon Induce	1 2.0	EC SL L	0.018 0.25 0.25	lb ai/a lb ai/a % v/v	2.3 1.0 0.25	oz/a pt/a % v/v	C E E	13.28 a	12.98 b
5	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d No Harvest Aid	90 2	S L	0.9 0.044	lb ai/a lb ai/a	1.0 2.82	lb/a oz/a	D D	14.42 a	13.78 ab
6	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d Gramaxone Inteon Induce	90 2 2.0	S L SL L	0.9 0.044 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	1.0 2.82 1.0 0.25	lb/a oz/a pt/a % v/v	D D E E	13.65 a	13.58 ab
7	Headline Topsin M No Insecticide No Harvest Aid	2.09 70	L WP	0.196 0.7	lb ai/a lb ai/a	12 1	oz/a lb/a	R3 R3 B B	13.89 a	15.58 a
8	Headline Topsin M No Insecticide Gramaxone Inteon Induce	2.09 70 2.0	L WP SL L	0.196 0.7 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	12 1 1.0 0.25	oz/a lb/a pt/a % v/v	R3 R3 E E	13.58 a	14.08 ab
9	Headline Topsin M Karate as needed 5-7d No Harvest Aid	2.09 70 1	L WP EC	0.196 0.7 0.018	lb ai/a lb ai/a lb ai/a	12 1 2.3	oz/a lb/a oz/a	R3 R3 B B C	13.69 a	14.70 ab

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code SOYBEAN SOYBEAN
Rating Date 10/Sep/2008 10/Sep/2008
Rating Data Type plot wt moisture
Rating Unit lbs %

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Form Rate	Other Rate	Other Unit	Growth Stage	Appl Code	plot wt lbs	moisture %
10	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	13.72 a	13.93 ab
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
11	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	14.07 a	14.80 ab
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	No Harvest Aid										
12	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	14.82 a	13.63 ab
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
13	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	13.70 a	15.58 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	No Insecticide										
	No Harvest Aid										
14	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	15.11 a	14.08 ab
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	No Insecticide										
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
15	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	14.83 a	14.88 ab
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	No Harvest Aid										

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code	SOYBEAN	SOYBEAN
Rating Date	10/Sep/2008	10/Sep/2008
Rating Data Type	plot wt	moisture
Rating Unit	lbs	%

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	plot wt lbs	moisture %	
16	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	14.62 a	14.23 ab
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
17	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	14.84 a	15.00 ab
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	No Harvest Aid										
18	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	15.13 a	13.38 b
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
LSD (P=.05)									1.705	1.201	
Standard Deviation									1.193	0.840	
CV									8.52	5.85	
Grand Mean									14.0	14.36	
Bartlett's X2									17.395	10.714	
P(Bartlett's X2)									0.428	0.871	
Replicate F									3.295	44.616	
Replicate Prob(F)									0.0285	0.0001	
Treatment F									1.837	3.164	
Treatment Prob(F)									0.0512	0.0008	

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code		SOYBEAN		SOYBEAN						
Rating Date		10/Sep/2008		10/Sep/2008						
Rating Data Type		test wt.		YIELD						
Rating Unit		lbs/bu		BU						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	Appl Code		
1	No Fungicide No Insecticide No Harvest Aid								50.17 b	62.4 a
2	No Fungicide No Insecticide Gramaxone Inteon Induce	2.0	SL L	0.25 0.25	lb ai/a % v/v	1.0 0.25	pt/a % v/v	E E	51.93 b	57.3 a
3	No Fungicide Karate as needed 5-7d No Harvest Aid	1	EC	0.018	lb ai/a	2.3	oz/a	C	53.18 ab	64.7 a
4	No Fungicide Karate as needed 5-7d Gramaxone Inteon Induce	1 2.0	EC SL L	0.018 0.25 0.25	lb ai/a lb ai/a % v/v	2.3 1.0 0.25	oz/a pt/a % v/v	C E E	53.30 ab	64.0 a
5	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d No Harvest Aid	90 2	S L	0.9 0.044	lb ai/a lb ai/a	1.0 2.82	lb/a oz/a	D D	53.00 ab	69.2 a
6	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d Gramaxone Inteon Induce	90 2 2.0	S L SL L	0.9 0.044 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	1.0 2.82 1.0 0.25	lb/a oz/a pt/a % v/v	D D E E	53.75 ab	65.6 a
7	Headline Topsin M No Insecticide No Harvest Aid	2.09 70	L WP	0.196 0.7	lb ai/a lb ai/a	12 1	oz/a lb/a	R3 R3 B B	52.38 b	65.3 a
8	Headline Topsin M No Insecticide Gramaxone Inteon Induce	2.09 70 2.0	L WP SL L	0.196 0.7 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	12 1 1.0 0.25	oz/a lb/a pt/a % v/v	R3 R3 E E	53.88 ab	64.9 a
9	Headline Topsin M Karate as needed 5-7d No Harvest Aid	2.09 70 1	L WP EC	0.196 0.7 0.018	lb ai/a lb ai/a lb ai/a	12 1 2.3	oz/a lb/a oz/a	R3 R3 C	52.93 ab	65.0 a

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Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code	SOYBEAN	SOYBEAN
Rating Date	10/Sep/2008	10/Sep/2008
Rating Data Type	test wt.	YIELD
Rating Unit	lbs/bu	BU

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	Appl Code	lbs/bu	BU	
10	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	53.88 ab	65.7 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
11	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	52.95 ab	66.7 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	No Harvest Aid										
12	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	53.80 ab	71.3 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
13	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	52.55 b	64.5 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	No Insecticide										
	No Harvest Aid										
14	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	53.65 ab	72.2 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	No Insecticide										
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
15	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	53.45 ab	70.3 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	No Harvest Aid										

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Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code	SOYBEAN	SOYBEAN
Rating Date	10/Sep/2008	10/Sep/2008
Rating Data Type	test wt.	YIELD
Rating Unit	lbs/bu	BU

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code	test wt. lbs/bu	YIELD BU	
16	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	53.83 ab	69.8 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
17	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	53.05 ab	70.3 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	No Harvest Aid										
18	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	56.83 a	72.9 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
LSD (P=.05)									2.412	8.49	
Standard Deviation									1.688	5.94	
CV									3.17	8.9	
Grand Mean									53.25	66.78	
Bartlett's X2									57.156	17.916	
P(Bartlett's X2)									0.001*	0.394	
Replicate F									6.791	5.615	
Replicate Prob(F)									0.0006	0.0022	
Treatment F									2.269	1.764	
Treatment Prob(F)									0.0131	0.0636	

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code SOYBEAN SOYBEAN
Rating Date 17/Sep/2008 17/Sep/2008
Rating Data Type damage FM
Rating Unit % %

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code	SOYBEAN damage %	SOYBEAN FM %
1	No Fungicide No Insecticide No Harvest Aid									13.1 a	2.4 a
2	No Fungicide No Insecticide Gramaxone Inteon Induce	2.0	SL L	0.25 0.25	lb ai/a % v/v	1.0 0.25	pt/a % v/v		E E	13.8 a	1.3 a
3	No Fungicide Karate as needed 5-7d No Harvest Aid	1	EC	0.018	lb ai/a	2.3	oz/a		C	6.9 b	1.1 a
4	No Fungicide Karate as needed 5-7d Gramaxone Inteon Induce	1 2.0	EC SL L	0.018 0.25 0.25	lb ai/a lb ai/a % v/v	2.3 1.0 0.25	oz/a pt/a % v/v		C E E	5.3 b	0.9 a
5	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d No Harvest Aid	90 2	S L	0.9 0.044	lb ai/a lb ai/a	1.0 2.82	lb/a oz/a		D D	5.1 b	1.9 a
6	No Fungicide Orthene as needed 5-7 d Bathroid as needed 5-7 d Gramaxone Inteon Induce	90 2 2.0	S L SL L	0.9 0.044 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	1.0 2.82 1.0 0.25	lb/a oz/a pt/a % v/v		D D E E	4.2 b	1.0 a
7	Headline Topsin M No Insecticide No Harvest Aid	2.09 70	L WP	0.196 0.7	lb ai/a lb ai/a	12 1	oz/a lb/a	R3 R3	B B	8.3 b	1.5 a
8	Headline Topsin M No Insecticide Gramaxone Inteon Induce	2.09 70 2.0	L WP SL L	0.196 0.7 0.25 0.25	lb ai/a lb ai/a lb ai/a % v/v	12 1 1.0 0.25	oz/a lb/a pt/a % v/v		B B E E	6.9 b	1.0 a
9	Headline Topsin M Karate as needed 5-7d No Harvest Aid	2.09 70 1	L WP EC	0.196 0.7 0.018	lb ai/a lb ai/a lb ai/a	12 1 2.3	oz/a lb/a oz/a	R3 R3	B B C	6.0 b	1.1 a

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code SOYBEAN SOYBEAN
Rating Date 17/Sep/2008 17/Sep/2008
Rating Data Type damage FM
Rating Unit % %

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Unit	Growth Stage	Appl Code			
10	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	5.4 b	0.7 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
11	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	7.1 b	1.5 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	No Harvest Aid										
12	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B	4.8 b	0.7 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
13	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	6.6 b	1.2 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	No Insecticide										
	No Harvest Aid										
14	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	6.3 b	0.9 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	No Insecticide										
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
15	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	6.2 b	0.9 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	No Harvest Aid										

School of Plant, Environmental, and Soil Sciences

Fungicide, Insecticide, and Harvest Aid Interaction Study

Trial ID: 08SB01JB
Location: Ben Hur

Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Crop Code	SOYBEAN	SOYBEAN
Rating Date	17/Sep/2008	17/Sep/2008
Rating Data Type	damage	FM
Rating Unit	%	%

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code		
16	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	4.4 b	1.3 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Karate as needed 5-7d	1	EC	0.018	lb ai/a	2.3	oz/a		C		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
17	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	4.4 b	0.6 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	No Harvest Aid										
18	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R1	A	3.3 b	0.8 a
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R1	A		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R3	B		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R3	B		
	Headline	2.09	L	0.196	lb ai/a	12	oz/a	R5	C		
	Topsin M	70	WP	0.7	lb ai/a	1	lb/a	R5	C		
	Orthene as needed 5-7 d	90	S	0.9	lb ai/a	1.0	lb/a		D		
	Bathroid as needed 5-7 d	2	L	0.044	lb ai/a	2.82	oz/a		D		
	Gramaxone Inteon	2.0	SL	0.25	lb ai/a	1.0	pt/a		E		
	Induce		L	0.25	% v/v	0.25	% v/v		E		
LSD (P=.05)										4.02	1.15
Standard Deviation										2.81	0.80
CV										42.96	70.8
Grand Mean										6.54	1.14
Bartlett's X2										55.761	35.2
P(Bartlett's X2)										0.001*	0.006*
Replicate F										3.266	5.697
Replicate Prob(F)										0.0290	0.0020
Treatment F										3.974	1.267
Treatment Prob(F)										0.0001	0.2531

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Johnsongrass Control with SL-160 (Flazasulfuron)

Experiment number : 08GN01JG
 Location..... : Ben Hur Research Farm – Baton Rouge, LA
 Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 10X30 ft.
 Row width/# per plot : N/A
 Soil type..... : clay loam
 OM (%)..... : 1.9
 pH : 6.3
 Planting date : N/A
 Harvest date : N/A
 Crop/Variety : N/A
 Uniform std. treatment..... : N/A

Application type	POST A	POST B
Date applied (mm-dd-yy)	04-07-08	04-21-08
Time (hh:mm-hh:mm)	11:00-11:30am	8:30-9:00am
Incorporation equipment.....	N/A	N/A
Incorporation depth.....	N/A	N/A
Air/Soil temperature (F)	82/68	71/67
Wind (mph/direction)	2-5/SE	1-2/E
Cloud cover (%).....	20%	50%
Relative humidity (%)	45%	70%
Soil/Leaf surface moist.....	Moist/Dry	Dry/Moist
Crop stage/height.....	N/A	N/A
Sprayer type/mph.....	CO ₂ bkpk/3.0	CO ₂ bkpk/3.0
Nozzle type/size.....	FF/11002VS	FF/11002VS
Boom ht/#noz/spacing (in)	18"/4/18"	18"/4/18"
GPA/psi (at nozzle)	15/25	15/25
Applied by	Boudreaux	Boudreaux

Weed species (population/ft²).. : (height/# leaves)
 Sorha..... : 12"/6-10lf 24"/10-15lf
 Rainfall (in.)
 0-24 hr/1-3 days..... :
 4-7 days/2nd week..... :
 3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Johnsongrass Control with SL-160 (Flazasulfuron)

Trial ID: 08GN01JG
Location: Ben Hur

Protocol ID: 08GN01JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

											SORHA	SORHA	SORHA
											21/Apr/2008	30/Apr/2008	14/May/2008
											Control	Control	Control
											%	%	%
Pest Code	Rating Date	Rating Data Type	Rating Unit										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	SL-160 Induce	25	DG	0.014	LB A/A	0.9	OZ WT/A	POST	A	63 a	70 b	45 b	
				0.25	% V/V	0.25	% V/V	POST	A				
2	SL-160 Induce	25	DG	0.0234	LB A/A	1.5	OZ WT/A	POST	A	64 a	76 a	48 b	
				0.25	% V/V	0.25	% V/V	POST	A				
3	SL-160 Induce	25	DG	0.014	LB A/A	0.9	OZ WT/A	POST	B	0 b	0 c	49 b	
				0.25	% V/V	0.25	% V/V	POST	B				
4	SL-160 Induce	25	DG	0.0234	LB A/A	1.5	OZ WT/A	POST	B	0 b	0 c	51 b	
				0.25	% V/V	0.25	% V/V	POST	B				
5	SL-160 Asulox XP Induce	25 3.13	DG L	0.014 1	LB A/A	0.9 41	OZ WT/A FL OZ/A	POST	B	0 b	0 c	43 b	
				0.25	% V/V	0.25	% V/V	POST	B				
6	SL-160 Karmex Induce	25 80	DG WP	0.014 1.6	LB A/A	0.9 2	OZ WT/A LB/A	POST	B	0 b	0 c	51 b	
				0.25	% V/V	0.25	% V/V	POST	B				
7	SL-160 Evik Induce	25 80	DG DF	0.014 1.14	LB A/A	0.9 1.42	OZ WT/A LB/A	POST	B	0 b	0 c	45 b	
				0.25	% V/V	0.25	% V/V	POST	B				
8	Asulox XP Induce	3.13	L	3.13	LB A/A	4	QT/A	POST	B	0 b	0 c	69 a	
				0.25	% V/V	0.25	% V/V	POST	B				
9	Asulox XP Envoke Induce	3.13 75	L DF	1.57 0.014	LB A/A	2 0.3	QT/A OZ WT/A	POST	B	0 b	0 c	75 a	
				0.25	% V/V	0.25	% V/V	POST	B				
10	Nontreated									0 b	0 c	0 c	
LSD (P=.05)											2.5	6.2	6.3
Standard Deviation											1.7	4.2	4.3
CV											13.79	29.04	9.15
Grand Mean											12.63	14.63	47.5
Bartlett's X2											0.725	0.161	5.54
P(Bartlett's X2)											0.395	0.688	0.594
Replicate F											1.305	1.513	1.147
Replicate Prob(F)											0.2930	0.2335	0.3480
Treatment F											934.557	211.352	83.088
Treatment Prob(F)											0.0001	0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Johnsongrass Control with SL-160 (Flazasulfuron)

Trial ID: 08GN01JG
Location: Ben Hur

Protocol ID: 08GN01JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code
Rating Date
Rating Data Type
Rating Unit

SORHA
28/May/2008
Control
%

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
1	SL-160 Induce	25	DG	0.014 0.25	LB A/A % V/V	0.9 0.25	OZ WT/A % V/V	POST POST	A A	31 b
2	SL-160 Induce	25	DG	0.0234 0.25	LB A/A % V/V	1.5 0.25	OZ WT/A % V/V	POST POST	A A	34 b
3	SL-160 Induce	25	DG	0.014 0.25	LB A/A % V/V	0.9 0.25	OZ WT/A % V/V	POST POST	B B	40 b
4	SL-160 Induce	25	DG	0.0234 0.25	LB A/A % V/V	1.5 0.25	OZ WT/A % V/V	POST POST	B B	49 b
5	SL-160 Asulox XP Induce	25 3.13	DG L	0.014 1 0.25	LB A/A LB A/A % V/V	0.9 41 0.25	OZ WT/A FL OZ/A % V/V	POST POST POST	B B B	39 b
6	SL-160 Karmex Induce	25 80	DG WP	0.014 1.6 0.25	LB A/A LB A/A % V/V	0.9 2 0.25	OZ WT/A LB/A % V/V	POST POST POST	B B B	49 b
7	SL-160 Evik Induce	25 80	DG DF	0.014 1.14 0.25	LB A/A LB A/A % V/V	0.9 1.42 0.25	OZ WT/A LB/A % V/V	POST POST POST	B B B	44 b
8	Asulox XP Induce	3.13	L	3.13 0.25	LB A/A % V/V	4 0.25	QT/A % V/V	POST POST	B B	78 a
9	Asulox XP Envoke Induce	3.13 75	L DF	1.57 0.014 0.25	LB A/A LB A/A % V/V	2 0.3 0.25	QT/A OZ WT/A % V/V	POST POST POST	B B B	75 a
10	Nontreated									0 c
LSD (P=.05)										13.1
Standard Deviation										9.1
CV										20.66
Grand Mean										43.83
Bartlett's X2										7.101
P(Bartlett's X2)										0.526
Replicate F										3.037
Replicate Prob(F)										0.0462
Treatment F										24.005
Treatment Prob(F)										0.0001

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Experiment number.....: 08GN02JG
 Location.....: Ben Hur Research Farm – Baton Rouge LA
 Experimental design.....: Factorial- Randomized Complete Block
 Number of reps.....: 4
 Plot size.....: 10X25 ft.
 Row width/# per plot.....: N/A
 Soil type.....: clay loam
 OM (%)......: 1.9
 pH.....: 6.3
 Planting date.....: N/A
 Harvest date.....: N/A
 Crop/Variety.....: N/A
 Uniform std. treatment.....: N/A

Application type.....:	POST A	POST B
Date applied (mm-dd-yy).....:	05-19-08	05-28-08
Time (hh:mm-hh:mm).....:	1:00-1:30pm	9:00-9:30am
Incorporation equipment.....:	N/A	N/A
Incorporation depth.....:	N/A	N/A
Air/Soil temperature (F).....:	87/83	83/85
Wind (mph/direction).....:	5-7/SW	2-4/S
Cloud cover (%)......:	30%	10%
Relative humidity (%).....:	60%	70%
Soil/Leaf surface moist.....:	Moist/Dry	Dry/Moist
Crop stage/height.....:	N/A	N/A
Sprayer type/mph.....:	CO ₂ bkpk/3.0	CO ₂ bkpk/3.0
Nozzle type/size.....:	FF/11002VS	FF/11002VS
Boom ht/#noz/spacing (in).....:	18"/4/18"	18"/4/18"
GPA/psi (at nozzle).....:	15/25	15/25
Applied by.....:	Boudreaux	Boudreaux

Weed species (population/ft ²)..:	(height/# leaves)	
IPOSS (1-3).....:	3-5"/3-8lf	8-12"/8-15lf
ECHCG (1-3).....:	4-6"/3-6lf	(6-8"/6-12lf

Rainfall (in.)
 0-24 hr/1-3 days.....:
 4-7 days/2nd week.....:
 3rd week/4th week.....:

Comments:

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
 Location: Ben Hur

Protocol ID: 08GN02JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code								IPOLA	PHYAN		
Rating Date								28/May/2008	28/May/2008		
Rating Data Type								Control	Control		
Rating Unit								%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	No Roundup No Liberty 2 to 3" weeds							POST	A	0 d	0 b
2	No Roundup No Liberty 6 to 8" weeds							POST	B	0 d	0 b
3	No Roundup Liberty 2 to 3" weeds	1.67	L	0.326	LB A/A	25	OZ/A	POST	A	100 a	100 a
4	No Roundup Liberty 6 to 8" weeds	1.67	L	0.326	LB A/A	25	OZ/A	POST	B	0 d	0 b
5	No Roundup Liberty 2 to 3" weeds	1.67	L	0.39	LB A/A	30	OZ/A	POST	A	100 a	100 a
6	No Roundup Liberty 6 to 8" weeds	1.67	L	0.39	LB A/A	30	OZ/A	POST	B	0 d	0 b
7	No Roundup Liberty 2 to 3" weeds	1.67	L	0.457	LB A/A	35	OZ/A	POST	A	100 a	100 a
8	No Roundup Liberty 6 to 8" weeds	1.67	L	0.457	LB A/A	35	OZ/A	POST	B	0 d	0 b
9	Roundup WeatherMax No Liberty 2 to 3" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A	74 c	100 a
10	Roundup WeatherMax No Liberty 6 to 8" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	B	0 d	0 b
11	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.326	LB A/A LB A/A	17.5 25	OZ/A OZ/A	POST	A	100 a	100 a

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
Location: Ben Hur

Protocol ID: 08GN02JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								IPOLA	PHYAN		
Rating Date								28/May/2008	28/May/2008		
Rating Data Type								Control	Control		
Rating Unit								%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
12	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.326	LB A/A LB A/A	17.5 25	OZ/A OZ/A			0 d	0 b
								POST	B		
13	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.39	LB A/A LB A/A	17.5 30	OZ/A OZ/A			100 a	100 a
								POST	A		
14	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.39	LB A/A LB A/A	17.5 30	OZ/A OZ/A			0 d	0 b
								POST	B		
15	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.457	LB A/A LB A/A	17.5 35	OZ/A OZ/A			100 a	100 a
								POST	A		
16	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.457	LB A/A LB A/A	17.5 35	OZ/A OZ/A			0 d	0 b
								POST	B		
17	Roundup WeatherMax No Liberty 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			85 b	100 a
								POST	A		
18	Roundup WeatherMax No Liberty 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			0 d	0 b
								POST	B		
19	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.326	LB A/A LB A/A	23.3 25	OZ/A OZ/A			100 a	100 a
								POST	A		
20	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.326	LB A/A LB A/A	23.3 25	OZ/A OZ/A			0 d	0 b
								POST	B		
21	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.39	LB A/A LB A/A	23.3 30	OZ/A OZ/A			100 a	100 a
								POST	A		
22	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.39	LB A/A LB A/A	23.3 30	OZ/A OZ/A			0 d	0 b
								POST	B		

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
 Location: Ben Hur

Protocol ID: 08GN02JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code								IPOLA		PHYAN	
Rating Date								28/May/2008		28/May/2008	
Rating Data Type								Control		Control	
Rating Unit								%		%	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Rate	Unit	Growth Stage	Appl Code	
23	Roundup WeatherMax Liberty	5.5	L	1.0	LB A/A	23.3	OZ/A				
	2 to 3" weeds	1.67	L	0.457	LB A/A	35	OZ/A		POST	A	
											100 a
											100 a
24	Roundup WeatherMax Liberty	5.5	L	1.0	LB A/A	23.3	OZ/A				
	6 to 8" weeds	1.67	L	0.457	LB A/A	35	OZ/A		POST	B	
											0 d
											0 b
LSD (P=.05)										3.2	
Standard Deviation										2.3	
CV										5.14	
Grand Mean										44.11	
Bartlett's X2										4.9	
P(Bartlett's X2)										0.027*	
Replicate F										1.268	
Replicate Prob(F)										0.2924	
Treatment F										1894.976	
Treatment Prob(F)										0.0001	

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
 Location: Ben Hur

Protocol ID: 08GN02JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code								SIDSP	ECHCG	IPOLA	
Rating Date								28/May/2008	9/Jun/2008	9/Jun/2008	
Rating Data Type								Control	Control	Control	
Rating Unit								%	%	%	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code			
1	No Roundup No Liberty 2 to 3" weeds						POST	A	0 b	0 c	0 c
2	No Roundup No Liberty 6 to 8" weeds						POST	B	0 b	0 c	0 c
3	No Roundup Liberty 2 to 3" weeds	1.67	L	0.326	LB A/A 25	OZ/A	POST	A	100 a	99 a	100 a
4	No Roundup Liberty 6 to 8" weeds	1.67	L	0.326	LB A/A 25	OZ/A	POST	B	0 b	96 a	100 a
5	No Roundup Liberty 2 to 3" weeds	1.67	L	0.39	LB A/A 30	OZ/A	POST	A	100 a	100 a	100 a
6	No Roundup Liberty 6 to 8" weeds	1.67	L	0.39	LB A/A 30	OZ/A	POST	B	0 b	98 a	100 a
7	No Roundup Liberty 2 to 3" weeds	1.67	L	0.457	LB A/A 35	OZ/A	POST	A	100 a	100 a	100 a
8	No Roundup Liberty 6 to 8" weeds	1.67	L	0.457	LB A/A 35	OZ/A	POST	B	0 b	98 a	100 a
9	Roundup WeatherMax No Liberty 2 to 3" weeds	5.5	L	0.75	LB A/A 17.5	OZ/A	POST	A	100 a	100 a	88 a
10	Roundup WeatherMax No Liberty 6 to 8" weeds	5.5	L	0.75	LB A/A 17.5	OZ/A	POST	B	0 b	95 a	70 b
11	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.326	LB A/A 17.5 LB A/A 25	OZ/A OZ/A	POST	A	100 a	99 a	93 a

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
Location: Ben Hur

Protocol ID: 08GN02JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								SIDSP	ECHCG	IPOLA		
Rating Date								28/May/2008	9/Jun/2008	9/Jun/2008		
Rating Data Type								Control	Control	Control		
Rating Unit								%	%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
12	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.326	LB A/A LB A/A	17.5 25	OZ/A OZ/A			0 b	98 a	100 a
								POST	B			
13	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.39	LB A/A LB A/A	17.5 30	OZ/A OZ/A			100 a	100 a	100 a
								POST	A			
14	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.39	LB A/A LB A/A	17.5 30	OZ/A OZ/A			0 b	99 a	100 a
								POST	B			
15	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.457	LB A/A LB A/A	17.5 35	OZ/A OZ/A			100 a	99 a	100 a
								POST	A			
16	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.457	LB A/A LB A/A	17.5 35	OZ/A OZ/A			0 b	99 a	100 a
								POST	B			
17	Roundup WeatherMax No Liberty 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	100 a	88 a
								POST	A			
18	Roundup WeatherMax No Liberty 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			0 b	90 b	68 b
								POST	B			
19	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.326	LB A/A LB A/A	23.3 25	OZ/A OZ/A			100 a	100 a	100 a
								POST	A			
20	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.326	LB A/A LB A/A	23.3 25	OZ/A OZ/A			0 b	95 a	100 a
								POST	B			
21	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.39	LB A/A LB A/A	23.3 30	OZ/A OZ/A			100 a	100 a	100 a
								POST	A			
22	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.39	LB A/A LB A/A	23.3 30	OZ/A OZ/A			0 b	98 a	100 a
								POST	B			

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
 Location: Ben Hur

Protocol ID: 08GN02JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code								SIDSP	ECHCG	IPOLA
Rating Date								28/May/2008	9/Jun/2008	9/Jun/2008
Rating Data Type								Control	Control	Control
Rating Unit								%	%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Rate	Growth Stage	Appl Code	
23	Roundup WeatherMax Liberty 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a
		1.67	L	0.457	LB A/A	35	OZ/A			100 a
								POST	A	100 a
24	Roundup WeatherMax Liberty 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			0 b
		1.67	L	0.457	LB A/A	35	OZ/A			98 a
								POST	B	100 a
LSD (P=.05)								0.0	4.5	7.4
Standard Deviation								0.0	3.2	5.3
CV								0.0	3.57	5.99
Grand Mean								45.83	89.89	87.71
Bartlett's X2								0.0	22.005	10.085
P(Bartlett's X2)								.	0.079	0.039*
Replicate F								0.000	0.936	1.184
Replicate Prob(F)								1.0000	0.4282	0.3223
Treatment F								0.000	300.418	117.969
Treatment Prob(F)								1.0000	0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
Location: Ben Hur

Protocol ID: 08GN02JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code	PHYAN	ECHCG	IPOLA									
Rating Date	9/Jun/2008	19/Jun/2008	19/Jun/2008									
Rating Data Type	Control	Control	Control									
Rating Unit	%	%	%									
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	No Roundup No Liberty 2 to 3" weeds							POST	A	0 d		
2	No Roundup No Liberty 6 to 8" weeds							POST	B	0 d	0 b	0 c
3	No Roundup Liberty 2 to 3" weeds	1.67	L	0.326	LB A/A	25	OZ/A	POST	A	100 a		
4	No Roundup Liberty 6 to 8" weeds	1.67	L	0.326	LB A/A	25	OZ/A	POST	B	100 a	90 a	88 a
5	No Roundup Liberty 2 to 3" weeds	1.67	L	0.39	LB A/A	30	OZ/A	POST	A	100 a		
6	No Roundup Liberty 6 to 8" weeds	1.67	L	0.39	LB A/A	30	OZ/A	POST	B	100 a	95 a	90 a
7	No Roundup Liberty 2 to 3" weeds	1.67	L	0.457	LB A/A	35	OZ/A	POST	A	100 a		
8	No Roundup Liberty 6 to 8" weeds	1.67	L	0.457	LB A/A	35	OZ/A	POST	B	100 a	93 a	98 a
9	Roundup WeatherMax No Liberty 2 to 3" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A	100 a		
10	Roundup WeatherMax No Liberty 6 to 8" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	B	98 b	99 a	63 b
11	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.326	LB A/A LB A/A	17.5 25	OZ/A OZ/A	POST	A	100 a		

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
 Location: Ben Hur

Protocol ID: 08GN02JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code						PHYAN	ECHCG	IPOLA				
Rating Date						9/Jun/2008	19/Jun/2008	19/Jun/2008				
Rating Data Type						Control	Control	Control				
Rating Unit						%	%	%				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
12	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.326	LB A/A LB A/A	17.5 25	OZ/A OZ/A			100 a	88 a	98 a
								POST	B			
13	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.39	LB A/A LB A/A	17.5 30	OZ/A OZ/A			100 a		
								POST	A			
14	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.39	LB A/A LB A/A	17.5 30	OZ/A OZ/A			100 a	95 a	96 a
								POST	B			
15	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.457	LB A/A LB A/A	17.5 35	OZ/A OZ/A			100 a		
								POST	A			
16	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.457	LB A/A LB A/A	17.5 35	OZ/A OZ/A			100 a	97 a	100 a
								POST	B			
17	Roundup WeatherMax No Liberty 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a		
								POST	A			
18	Roundup WeatherMax No Liberty 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			96 c	97 a	64 b
								POST	B			
19	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.326	LB A/A LB A/A	23.3 25	OZ/A OZ/A			100 a		
								POST	A			
20	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.326	LB A/A LB A/A	23.3 25	OZ/A OZ/A			100 a	92 a	96 a
								POST	B			
21	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.39	LB A/A LB A/A	23.3 30	OZ/A OZ/A			100 a		
								POST	A			
22	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.39	LB A/A LB A/A	23.3 30	OZ/A OZ/A			100 a	95 a	99 a
								POST	B			

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
 Location: Ben Hur

Protocol ID: 08GN02JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code						PHYAN	ECHCG	IPOLA				
Rating Date						9/Jun/2008	19/Jun/2008	19/Jun/2008				
Rating Data Type						Control	Control	Control				
Rating Unit						%	%	%				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Rate	Growth Stage	Appl Code			
23	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.457	LB A/A LB A/A	23.3 35	OZ/A OZ/A			100 a		
								POST	A			
24	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.457	LB A/A LB A/A	23.3 35	OZ/A OZ/A			100 a	95 a	99 a
								POST	B			
LSD (P=.05)										1.1	10.2	11.4
Standard Deviation										0.8	7.1	7.9
CV										0.86	8.19	9.55
Grand Mean										91.41	86.31	82.4
Bartlett's X2										0.061	13.563	16.739
P(Bartlett's X2)										0.804	0.194	0.053
Replicate F										0.418	0.973	0.278
Replicate Prob(F)										0.7405	0.4170	0.8410
Treatment F										5096.128	59.895	54.656
Treatment Prob(F)										0.0001	0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
Location: Ben Hur

Protocol ID: 08GN02JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code	PHYAN
Rating Date	19/Jun/2008
Rating Data Type	Control
Rating Unit	%

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
1	No Roundup No Liberty 2 to 3" weeds							POST	A
2	No Roundup No Liberty 6 to 8" weeds							POST	B
3	No Roundup Liberty 2 to 3" weeds	1.67	L	0.326	LB A/A	25	OZ/A	POST	A
4	No Roundup Liberty 6 to 8" weeds	1.67	L	0.326	LB A/A	25	OZ/A	POST	B
5	No Roundup Liberty 2 to 3" weeds	1.67	L	0.39	LB A/A	30	OZ/A	POST	A
6	No Roundup Liberty 6 to 8" weeds	1.67	L	0.39	LB A/A	30	OZ/A	POST	B
7	No Roundup Liberty 2 to 3" weeds	1.67	L	0.457	LB A/A	35	OZ/A	POST	A
8	No Roundup Liberty 6 to 8" weeds	1.67	L	0.457	LB A/A	35	OZ/A	POST	B
9	Roundup WeatherMax No Liberty 2 to 3" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A
10	Roundup WeatherMax No Liberty 6 to 8" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	B
11	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.326	LB A/A LB A/A	17.5 25	OZ/A OZ/A	POST	A

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
Location: Ben Hur

Protocol ID: 08GN02JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code	PHYAN Control %
12	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.326	LB A/A LB A/A	17.5 25	OZ/A OZ/A	POST	B	100 a
13	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.39	LB A/A LB A/A	17.5 30	OZ/A OZ/A	POST	A	
14	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.39	LB A/A LB A/A	17.5 30	OZ/A OZ/A	POST	B	100 a
15	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	0.75 0.457	LB A/A LB A/A	17.5 35	OZ/A OZ/A	POST	A	
16	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	0.75 0.457	LB A/A LB A/A	17.5 35	OZ/A OZ/A	POST	B	100 a
17	Roundup WeatherMax No Liberty 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	A	
18	Roundup WeatherMax No Liberty 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	B	100 a
19	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.326	LB A/A LB A/A	23.3 25	OZ/A OZ/A	POST	A	
20	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.326	LB A/A LB A/A	23.3 25	OZ/A OZ/A	POST	B	100 a
21	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.39	LB A/A LB A/A	23.3 30	OZ/A OZ/A	POST	A	
22	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.39	LB A/A LB A/A	23.3 30	OZ/A OZ/A	POST	B	100 a

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Roundup Ready/Liberty Link Stacked Trait Test #1

Trial ID: 08GN02JG
 Location: Ben Hur

Protocol ID: 08GN02JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code
 Rating Date
 Rating Data Type
 Rating Unit

PHYAN
 19/Jun/2008
 Control
 %

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
23	Roundup WeatherMax Liberty 2 to 3" weeds	5.5 1.67	L L	1.0 0.457	LB A/A LB A/A	23.3 35	OZ/A OZ/A	POST	A
24	Roundup WeatherMax Liberty 6 to 8" weeds	5.5 1.67	L L	1.0 0.457	LB A/A LB A/A	23.3 35	OZ/A OZ/A	POST	B 100 a

LSD (P=.05)	0.0
Standard Deviation	0.0
CV	0.0
Grand Mean	91.67
Bartlett's X2	0.0
P(Bartlett's X2)	.
Replicate F	0.000
Replicate Prob(F)	1.0000
Treatment F	0.000
Treatment Prob(F)	1.0000

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Roundup Ready/Dicamba Stacked Trait Test #1

Experiment number : 08GN04JG
 Location..... : Ben Hur Research Farm – Baton Rouge LA
 Experimental design : Factorial- Randomized Complete Block
 Number of reps : 4
 Plot size : 10X25 ft.
 Row width/# per plot : N/A
 Soil type..... : clay loam
 OM (%)..... : 1.9
 pH..... : 6.3
 Planting date : N/A
 Harvest date : N/A
 Crop/Variety : N/A
 Uniform std. treatment..... : N/A

Application type	POST A	POST B
Date applied (mm-dd-yy)	05-19-08	05-28-08
Time (hh:mm-hh:mm)	2:00-2:30pm	10:00-11:00am
Incorporation equipment.....	N/A	N/A
Incorporation depth.....	N/A	N/A
Air/Soil temperature (F)	88/84	87/85
Wind (mph/direction)	5-7/SW	3-5/SE
Cloud cover (%).....	30%	10%
Relative humidity (%)	60%	70%
Soil/Leaf surface moist.....	Moist/Dry	Dry/Dry
Crop stage/height.....	N/A	N/A
Sprayer type/mph.....	CO ₂ bkpk/3.0	CO ₂ bkcp/3.0
Nozzle type/size.....	FF/11002VS	11002VS
Boom ht/#noz/spacing (in)	18"/4/18"	18"/4/18"
GPA/psi (at nozzle)	15/25	15/25
Applied by	Boudreaux	Boudreaux

Weed species (population/ft ²)..	(height/# leaves)	
IPOSS (1-3)	3-5"/3-8lf	8-12"/8-15lf
ECHCG (1-3).....	4-6"/3-6lf	6-10"/6-12lf

Rainfall (in.)
 0-24 hr/1-3 days..... :
 4-7 days/2nd week..... :
 3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Dicamba Stacked Trait Test #1

Trial ID: 08GN04JG
Location: Ben Hur

Protocol ID: 08GN04JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								GRASS	SIDSP		
Rating Date								28/May/2008	28/May/2008		
Rating Data Type								Control	Control		
Rating Unit								%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	No Roundup No Clarity 2 to 3" weeds									0 c	0 d
2	No Roundup No Clarity 6 to 8" weeds									0 c	0 d
3	No Roundup Clarity 2 to 3" weeds	4	L	0.125	LB AE/A	4	OZ/A			0 c	53 c
4	No Roundup Clarity 6 to 8" weeds	4	L	0.125	LB AE/A	4	OZ/A			0 c	0 d
5	No Roundup Clarity 2 to 3" weeds	4	L	0.188	LB AE/A	6	OZ/A			0 c	43 c
6	No Roundup Clarity 6 to 8" weeds	4	L	0.188	LB AE/A	6	OZ/A			0 c	0 d
7	No Roundup Clarity 2 to 3" weeds	4	L	0.25	LB AE/A	8	OZ/A			0 c	74 b
8	No Roundup Clarity 6 to 8" weeds	4	L	0.25	LB AE/A	8	OZ/A			0 c	0 d
9	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A			100 a	90 ab
10	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A			0 c	0 d
11	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A			100 a	94 ab

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Pest Code										GRASS	SIDSP
Rating Date										28/May/2008	28/May/2008
Rating Data Type										Control	Control
Rating Unit										%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
12	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A			0 c	0 d
								POST	B		
13	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A			75 b	73 b
								POST	A		
14	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A			0 c	0 d
								POST	B		
15	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A			100 a	100 a
								POST	A		
16	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A			0 c	0 d
								POST	B		
17	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	79 ab
								POST	A		
18	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			0 c	0 d
								POST	B		
19	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A			100 a	98 a
								POST	A		
20	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A			0 c	0 d
								POST	B		
21	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A			100 a	100 a
								POST	A		
22	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A			0 c	0 d
								POST	B		

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Pest Code		GRASS		SIDSP									
Rating Date		28/May/2008		28/May/2008									
Rating Data Type		Control		Control									
Rating Unit		%		%									
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Unit Unit	Growth Stage	Appl Code			
23	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.25	LB LB	A/A AE/A	23.3 8	OZ/A OZ/A				100 a	99 a
									POST	A			
24	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.25	LB LB	A/A AE/A	23.3 8	OZ/A OZ/A				0 c	0 d
									POST	B			
LSD (P=.05)											14.4	15.3	
Standard Deviation											10.2	10.8	
CV											31.61	28.87	
Grand Mean											32.29	37.5	
Bartlett's X2											0.0	42.816	
P(Bartlett's X2)											.	0.001*	
Replicate F											1.000	1.819	
Replicate Prob(F)											0.3982	0.1517	
Treatment F											84.478	65.089	
Treatment Prob(F)											0.0001	0.0001	

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 Investigator: Dr. James L. Griffin

Pest Code								IPOHE	SEBEX		
Rating Date								28/May/2008	28/May/2008		
Rating Data Type								Control	Control		
Rating Unit								%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	No Roundup No Clarity 2 to 3" weeds							POST	A	0 e	0 e
2	No Roundup No Clarity 6 to 8" weeds							POST	B	0 e	0 e
3	No Roundup Clarity 2 to 3" weeds	4	L	0.125	LB AE/A	4	OZ/A	POST	A	59 d	53 d
4	No Roundup Clarity 6 to 8" weeds	4	L	0.125	LB AE/A	4	OZ/A	POST	B	0 e	0 e
5	No Roundup Clarity 2 to 3" weeds	4	L	0.188	LB AE/A	6	OZ/A	POST	A	66 cd	55 d
6	No Roundup Clarity 6 to 8" weeds	4	L	0.188	LB AE/A	6	OZ/A	POST	B	0 e	0 e
7	No Roundup Clarity 2 to 3" weeds	4	L	0.25	LB AE/A	8	OZ/A	POST	A	73 bcd	68 cd
8	No Roundup Clarity 6 to 8" weeds	4	L	0.25	LB AE/A	8	OZ/A	POST	B	0 e	0 e
9	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A	84 abc	81 abc
10	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	B	0 e	0 e
11	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A	POST	A	90 ab	93 ab

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Investigator: Dr. James L. Griffin

Pest Code	Rating Date	Rating Data Type	Rating Unit	IPOHE 28/May/2008 Control %	SEBEX 28/May/2008 Control %					
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
12	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A			0 e 0 e
							POST	B		
13	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A			73 bcd 74 bcd
							POST	A		
14	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A			0 e 0 e
							POST	B		
15	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A			99 a 100 a
							POST	A		
16	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A			0 e 0 e
							POST	B		
17	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			83 abc 79 abc
							POST	A		
18	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			0 e 0 e
							POST	B		
19	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A			94 ab 98 a
							POST	A		
20	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A			0 e 0 e
							POST	B		
21	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A			99 a 100 a
							POST	A		
22	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A			0 e 0 e
							POST	B		

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Pest Code										IPOHE	SEBEX
Rating Date										28/May/2008	28/May/2008
Rating Data Type										Control	Control
Rating Unit										%	%
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code		
23	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.25	LB A/A LB AE/A	23.3 8	OZ/A OZ/A			100 a	100 a
								POST	A		
24	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.25	LB A/A LB AE/A	23.3 8	OZ/A OZ/A			0 e	0 e
								POST	B		
LSD (P=.05)										15.0	16.4
Standard Deviation										10.6	11.6
CV										27.69	30.87
Grand Mean										38.23	37.45
Bartlett's X2										54.681	27.792
P(Bartlett's X2)										0.001*	0.001*
Replicate F										1.942	2.018
Replicate Prob(F)										0.1309	0.1195
Treatment F										67.476	55.929
Treatment Prob(F)										0.0001	0.0001

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Trial ID: 08GN04JG
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Protocol ID: 08GN04JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								MEOCO	GRASS	IPOHE		
Rating Date								28/May/2008	9/Jun/2008			
Rating Data Type								9/Jun/2008				
Rating Unit								Control %	Control %	Control %		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	No Roundup No Clarity 2 to 3" weeds							POST	A	0 d	0 f	0 e
2	No Roundup No Clarity 6 to 8" weeds							POST	B	0 d	0 f	0 e
3	No Roundup Clarity 2 to 3" weeds	4	L	0.125	LB AE/A	4	OZ/A	POST	A	53 c	0 f	50 d
4	No Roundup Clarity 6 to 8" weeds	4	L	0.125	LB AE/A	4	OZ/A	POST	B	0 d	0 f	49 d
5	No Roundup Clarity 2 to 3" weeds	4	L	0.188	LB AE/A	6	OZ/A	POST	A	45 c	0 f	86 ab
6	No Roundup Clarity 6 to 8" weeds	4	L	0.188	LB AE/A	6	OZ/A	POST	B	0 d	0 f	63 cd
7	No Roundup Clarity 2 to 3" weeds	4	L	0.25	LB AE/A	8	OZ/A	POST	A	74 b	0 f	86 ab
8	No Roundup Clarity 6 to 8" weeds	4	L	0.25	LB AE/A	8	OZ/A	POST	B	0 d	0 f	63 cd
9	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A	90 ab	92 a-e	85 ab
10	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	B	0 d	90 cde	55 d
11	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A	POST	A	94 ab	88 e	96 ab

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Investigator: Dr. James L. Griffin

Pest Code								MEOCO	GRASS	IPOHE		
Rating Date								28/May/2008	9/Jun/2008			
Rating Data Type								9/Jun/2008				
Rating Unit								Control	Control	Control		
								%	%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
12	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A			0 d	85 e	79 abc
								POST	B			
13	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A			73 b	96 a-d	97 ab
								POST	A			
14	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A			0 d	87 e	75 bc
								POST	B			
15	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A			100 a	99 a	100 a
								POST	A			
16	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A			0 d	90 b-e	80 abc
								POST	B			
17	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			78 ab	98 abc	90 ab
								POST	A			
18	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			0 d	92 a-e	55 d
								POST	B			
19	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A			98 a	91 a-e	95 ab
								POST	A			
20	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A			0 d	89 de	79 abc
								POST	B			
21	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A			100 a	98 abc	99 a
								POST	A			
22	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A			0 d	88 de	75 bc
								POST	B			

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Pest Code								MEOCO	GRASS	IPOHE		
Rating Date								28/May/2008	9/Jun/2008			
Rating Data Type								9/Jun/2008				
Rating Unit								Control	Control	Control		
								%	%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
23	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.25	LB AE/A	23.3 8	OZ/A OZ/A			99 a	98 ab	100 a
								POST	A			
24	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.25	LB AE/A	23.3 8	OZ/A OZ/A			0 d	88 de	81 abc
								POST	B			
LSD (P=.05)								15.3	5.3	13.1		
Standard Deviation								10.8	3.8	9.3		
CV								28.74	6.15	12.84		
Grand Mean								37.55	61.18	72.37		
Bartlett's X2								41.976	28.936	31.345		
P(Bartlett's X2)								0.001*	0.011*	0.037*		
Replicate F								2.202	3.663	1.817		
Replicate Prob(F)								0.0956	0.0166	0.1526		
Treatment F								65.379	555.129	34.830		
Treatment Prob(F)								0.0001	0.0001	0.0001		

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Investigator: Dr. James L. Griffin

Pest Code								SIDSP	MEOCO	SEBEX		
Rating Date								9/Jun/2008	9/Jun/2008	9/Jun/2008		
Rating Data Type								Control	Control	Control		
Rating Unit								%	%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	No Roundup No Clarity 2 to 3" weeds									0 c	0 c	0 d
								POST	A			
2	No Roundup No Clarity 6 to 8" weeds									0 c	0 c	0 d
								POST	B			
3	No Roundup Clarity 2 to 3" weeds	4	L	0.125	LB AE/A	4	OZ/A			50 b	50 b	59 abc
								POST	A			
4	No Roundup Clarity 6 to 8" weeds	4	L	0.125	LB AE/A	4	OZ/A			48 b	48 b	41 c
								POST	B			
5	No Roundup Clarity 2 to 3" weeds	4	L	0.188	LB AE/A	6	OZ/A			75 ab	75 ab	76 abc
								POST	A			
6	No Roundup Clarity 6 to 8" weeds	4	L	0.188	LB AE/A	6	OZ/A			49 b	49 b	54 bc
								POST	B			
7	No Roundup Clarity 2 to 3" weeds	4	L	0.25	LB AE/A	8	OZ/A			76 ab	76 ab	76 abc
								POST	A			
8	No Roundup Clarity 6 to 8" weeds	4	L	0.25	LB AE/A	8	OZ/A			50 b	50 b	53 bc
								POST	B			
9	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A			89 a	89 a	79 abc
								POST	A			
10	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A			46 b	46 b	40 c
								POST	B			
11	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A			95 a	95 a	95 ab
								POST	A			

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Investigator: Dr. James L. Griffin

Pest Code	Rating Date	Rating Data Type	Rating Unit	SIDSP 9/Jun/2008 Control %	MEOCO 9/Jun/2008 Control %	SEBEX 9/Jun/2008 Control %						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
12	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A	POST	B	63 ab	63 ab	63 abc
13	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A	POST	A	93 a	93 a	92 ab
14	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A	POST	B	65 ab	65 ab	62 abc
15	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A	POST	A	100 a	100 a	100 a
16	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A	POST	B	70 ab	70 ab	65 abc
17	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	A	94 a	94 a	88 ab
18	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	B	70 ab	70 ab	42 c
19	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A	POST	A	96 a	96 a	95 ab
20	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A	POST	B	63 ab	63 ab	60 abc
21	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A	POST	A	98 a	98 a	91 ab
22	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A	POST	B	71 ab	71 ab	68 abc

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Pest Code								SIDSP	MEOCO	SEBEX		
Rating Date								9/Jun/2008	9/Jun/2008	9/Jun/2008		
Rating Data Type								Control	Control	Control		
Rating Unit								%	%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code			
23	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.25	LB A/A LB AE/A	23.3 8	OZ/A OZ/A			100 a	100 a	100 a
								POST	A			
24	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.25	LB A/A LB AE/A	23.3 8	OZ/A OZ/A			64 ab	64 ab	63 abc
								POST	B			
LSD (P=.05)								21.9	21.9	24.7		
Standard Deviation								15.5	15.5	17.5		
CV								22.89	22.89	26.86		
Grand Mean								67.66	67.66	65.02		
Bartlett's X2								33.822	33.822	18.477		
P(Bartlett's X2)								0.019*	0.019*	0.359		
Replicate F								4.361	4.361	4.303		
Replicate Prob(F)								0.0073	0.0073	0.0083		
Treatment F								12.710	12.710	9.785		
Treatment Prob(F)								0.0001	0.0001	0.0001		

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Dicamba Stacked Trait Test #1

Trial ID: 08GN04JG
Location: Ben Hur

Protocol ID: 08GN04JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code		GRASS		IPOHE		SIDSP							
Rating Date		19/Jun/2008		19/Jun/2008		19/Jun/2008							
Rating Data Type		Control		Control		Control							
Rating Unit		%		%		%							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Rate	Unit	Growth Stage	Appl Code			
1	No Roundup No Clarity 2 to 3" weeds								POST	A			
2	No Roundup No Clarity 6 to 8" weeds								POST	B	0 b	0 c	0 e
3	No Roundup Clarity 2 to 3" weeds	4	L	0.125	LB AE/A	4		OZ/A	POST	A			
4	No Roundup Clarity 6 to 8" weeds	4	L	0.125	LB AE/A	4		OZ/A	POST	B	0 b	64 b	43 d
5	No Roundup Clarity 2 to 3" weeds	4	L	0.188	LB AE/A	6		OZ/A	POST	A			
6	No Roundup Clarity 6 to 8" weeds	4	L	0.188	LB AE/A	6		OZ/A	POST	B	0 b	65 b	55 bcd
7	No Roundup Clarity 2 to 3" weeds	4	L	0.25	LB AE/A	8		OZ/A	POST	A			
8	No Roundup Clarity 6 to 8" weeds	4	L	0.25	LB AE/A	8		OZ/A	POST	B	20 b	79 a	71 ab
9	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	0.75	LB A/A	17.5		OZ/A	POST	A			
10	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	0.75	LB A/A	17.5		OZ/A	POST	B	92 a	54 b	53 cd
11	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4		OZ/A OZ/A	POST	A			

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Dicamba Stacked Trait Test #1

Trial ID: 08GN04JG
Location: Ben Hur

Protocol ID: 08GN04JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code				GRASS		IPOHE		SIDSP				
Rating Date				19/Jun/2008		19/Jun/2008		19/Jun/2008				
Rating Data Type				Control		Control		Control				
Rating Unit				%		%		%				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
12	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A			89 a	78 a	66 abc
								POST	B			
13	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A					
								POST	A			
14	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A			93 a	85 a	73 ab
								POST	B			
15	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A					
								POST	A			
16	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A			93 a	85 a	80 a
								POST	B			
17	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A					
								POST	A			
18	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			95 a	61 b	68 abc
								POST	B			
19	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A					
								POST	A			
20	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A			93 a	86 a	75 ab
								POST	B			
21	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A					
								POST	A			
22	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A			94 a	85 a	78 a
								POST	B			

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Dicamba Stacked Trait Test #1

Trial ID: 08GN04JG
 Location: Ben Hur

Protocol ID: 08GN04JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code				GRASS		IPOHE		SIDSP					
Rating Date				19/Jun/2008		19/Jun/2008		19/Jun/2008					
Rating Data Type				Control		Control		Control					
Rating Unit				%		%		%					
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Rate	Unit	Growth Stage	Appl Code			
23	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.25	LB LB	A/A AE/A	23.3 8	OZ/A OZ/A					
									POST	A			
24	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.25	LB LB	A/A AE/A	23.3 8	OZ/A OZ/A			93 a	90 a	75 ab
									POST	B			
LSD (P=.05)											17.1	11.1	13.2
Standard Deviation											11.8	7.7	9.2
CV											18.66	11.05	14.96
Grand Mean											63.49	69.28	61.2
Bartlett's X2											60.463	14.045	10.282
P(Bartlett's X2)											0.001*	0.171	0.416
Replicate F											1.161	6.775	14.762
Replicate Prob(F)											0.3398	0.0012	0.0001
Treatment F											54.026	42.019	23.839
Treatment Prob(F)											0.0001	0.0001	0.0001

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Dicamba Stacked Trait Test #1

Trial ID: 08GN04JG
 Location: Ben Hur

Protocol ID: 08GN04JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code								MEOCO	SEBEX		
Rating Date								19/Jun/2008	19/Jun/2008		
Rating Data Type								Control	Control		
Rating Unit								%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	No Roundup No Clarity 2 to 3" weeds							POST	A		
2	No Roundup No Clarity 6 to 8" weeds							POST	B	0 e	0 d
3	No Roundup Clarity 2 to 3" weeds	4	L	0.125	LB AE/A	4	OZ/A	POST	A		
4	No Roundup Clarity 6 to 8" weeds	4	L	0.125	LB AE/A	4	OZ/A	POST	B	43 d	41 c
5	No Roundup Clarity 2 to 3" weeds	4	L	0.188	LB AE/A	6	OZ/A	POST	A		
6	No Roundup Clarity 6 to 8" weeds	4	L	0.188	LB AE/A	6	OZ/A	POST	B	55 bcd	54 bc
7	No Roundup Clarity 2 to 3" weeds	4	L	0.25	LB AE/A	8	OZ/A	POST	A		
8	No Roundup Clarity 6 to 8" weeds	4	L	0.25	LB AE/A	8	OZ/A	POST	B	71 ab	68 ab
9	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A		
10	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	B	53 cd	55 abc
11	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A	POST	A		

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Dicamba Stacked Trait Test #1

Trial ID: 08GN04JG
Location: Ben Hur

Protocol ID: 08GN04JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code										MEOCO	SEBEX
Rating Date										19/Jun/2008	19/Jun/2008
Rating Data Type										Control	Control
Rating Unit										%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
12	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.125	LB A/A LB AE/A	17.5 4	OZ/A OZ/A			66 abc	63 ab
								POST	B		
13	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A				
								POST	A		
14	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.188	LB A/A LB AE/A	17.5 6	OZ/A OZ/A			73 ab	69 ab
								POST	B		
15	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A				
								POST	A		
16	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	0.75 0.25	LB A/A LB AE/A	17.5 8	OZ/A OZ/A			80 a	79 a
								POST	B		
17	Roundup WeatherMax No Clarity 2 to 3" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A				
								POST	A		
18	Roundup WeatherMax No Clarity 6 to 8" weeds	5.5	L	1.0	LB A/A	23.3	OZ/A			68 abc	51 bc
								POST	B		
19	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A				
								POST	A		
20	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.125	LB A/A LB AE/A	23.3 4	OZ/A OZ/A			75 ab	71 ab
								POST	B		
21	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A				
								POST	A		
22	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.188	LB A/A LB AE/A	23.3 6	OZ/A OZ/A			78 a	73 ab
								POST	B		

School of Plant, Environmental, and Soil Sciences

Roundup Ready/Dicamba Stacked Trait Test #1

Trial ID: 08GN04JG
 Location: Ben Hur

Protocol ID: 08GN04JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code								MEOCO	SEBEX
Rating Date								19/Jun/2008	19/Jun/2008
Rating Data Type								Control	Control
Rating Unit								%	%
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
23	Roundup WeatherMax Clarity 2 to 3" weeds	5.5 4	L L	1.0 0.25	LB A/A LB AE/A	23.3 8	OZ/A OZ/A		
								POST	A
24	Roundup WeatherMax Clarity 6 to 8" weeds	5.5 4	L L	1.0 0.25	LB A/A LB AE/A	23.3 8	OZ/A OZ/A		
								POST	B
LSD (P=.05)								13.2	15.2
Standard Deviation								9.2	10.6
CV								14.96	18.03
Grand Mean								61.2	58.51
Bartlett's X2								10.282	5.15
P(Bartlett's X2)								0.416	0.881
Replicate F								14.762	19.056
Replicate Prob(F)								0.0001	0.0001
Treatment F								23.839	16.968
Treatment Prob(F)								0.0001	0.0001

Louisiana State University
School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Experiment number : 08GN06JG
 Location..... : Ben Hur Research Farm – Baton Rouge LA
 Experimental design : Factorial- Randomized Complete Block
 Number of reps : 4
 Plot size : 10X25 ft.
 Row width/# per plot : N/A
 Soil type..... : clay loam
 OM (%)..... : 1.9
 pH..... : 6.3
 Planting date : N/A
 Harvest date : N/A
 Crop/Variety : N/A
 Uniform std. treatment..... : N/A

Application type	POST A	POST B
Date applied (mm-dd-yy)	05-19-08	05-28-08
Time (hh:mm-hh:mm)	3:00-4:00pm	11:30am-12:30pm
Incorporation equipment.....	N/A	N/A
Incorporation depth.....	N/A	N/A
Air/Soil temperature (F)	88/84	91/86
Wind (mph/direction)	5-7/SW	3-5/S
Cloud cover (%).....	30%	10%
Relative humidity (%)	60%	70%
Soil/Leaf surface moist.....	Moist/Dry	Dry/Dry
Crop stage/height.....	N/A	N/A
Sprayer type/mph.....	CO ₂ bkpk/3.0	CO ₂ bkpk/3.0
Nozzle type/size.....	FF/11002VS	FF/11002VS
Boom ht/#noz/spacing (in)	18"/4/18"	18"/4/18"
GPA/psi (at nozzle)	15/25	15/25
Applied by	Boudreaux	Boudreaux

Weed species (population/ft ²)..	(height/# leaves)	
IPOSS (1-3)	3-5"/3-8lf	8-12"/8-15lf
ECHCG (1-3).....	4-6"/3-6lf	6-8"/8-15lf

Rainfall (in.)
 0-24 hr/1-3 days..... :
 4-7 days/2nd week..... :
 3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								GRASS	SIDSP		
Rating Date								28/May/2008	28/May/2008		
Rating Data Type								Control	Control		
Rating Unit								%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	No Roundup No ALS Weeds 2 to 3"							POST	A	0 b	0 e
2	No Roundup No ALS Weeds 6 to 8"							POST	B	0 b	0 e
3	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	A	0 b	53 b
4	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	B	0 b	0 e
5	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	A	0 b	44 c
6	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	B	0 b	0 e
7	No Roundup First Rate Weeds 2 to 3"	84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	A	0 b	48 bc
8	No Roundup First Rate Weeds 6 to 8"	84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B	0 b	0 e
9	No Roundup Classic Weeds 2 to 3"	25	DG	0.00516	LB A/A	0.33	OZ/A	POST	A	0 b	35 d
10	No Roundup Classic Weeds 6 to 8"	25	DG	0.00516	LB A/A	0.33	OZ/A	POST	B	0 b	0 e
11	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A	100 a	99 a

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code	Rating Date	Rating Data Type	Rating Unit	GRASS 28/May/2008 Control %	SIDSP 28/May/2008 Control %					
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
12	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	0.75	LB A/A 17.5	OZ/A			0 b	0 e
							POST	B		
13	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.0178	LB A/A 17.5 LB A/A 1.0	OZ/A OZ/A			100 a	100 a
							POST	A		
14	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.0178	LB A/A 17.5 LB A/A 1.0	OZ/A OZ/A			0 b	0 e
							POST	B		
15	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.02	LB A/A 17.5 LB A/A 1.125	OZ/A OZ/A			100 a	100 a
							POST	A		
16	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.02	LB A/A 17.5 LB A/A 1.125	OZ/A OZ/A			0 b	0 e
							POST	B		
17	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5 84	L WDG	0.75 0.0158	LB A/A 17.5 LB A/A 0.3	OZ/A OZ/A			100 a	100 a
							POST	A		
18	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5 84	L WDG	0.75 0.0158	LB A/A 17.5 LB A/A 0.3	OZ/A OZ/A			0 b	0 e
							POST	B		
19	Roundup WeatherMax Classic Weeds 2 to 3"	5.5 25	L DG	0.75 0.00516	LB A/A 17.5 LB A/A 0.33	OZ/A OZ/A			100 a	100 a
							POST	A		
20	Roundup WeatherMax Classic Weeds 6 to 8"	5.5 25	L DG	0.75 0.00516	LB A/A 17.5 LB A/A 0.33	OZ/A OZ/A			0 b	0 e
							POST	B		
21	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	1.0	LB A/A 23.3	OZ/A			100 a	100 a
							POST	A		
22	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	1.0	LB A/A 23.3	OZ/A			0 b	0 e
							POST	B		

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
 Location: Ben Hur

Protocol ID: 08GN06JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code										GRASS	SIDSP
Rating Date										28/May/2008	28/May/2008
Rating Data Type										Control	Control
Rating Unit										%	%
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
23	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	100 a
		28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	A		
24	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 b	0 e
		28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	B		
25	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	100 a
		28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	A		
26	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 b	0 e
		28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	B		
27	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	100 a
		84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	A		
28	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 b	0 e
		84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B		
29	Roundup WeatherMax Classic Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	100 a
		25	DG	0.00516	LB A/A	0.33	OZ/A	POST	A		
30	Roundup WeatherMax Classic Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 b	0 e
		25	DG	0.00516	LB A/A	0.33	OZ/A	POST	B		
LSD (P=.05)										0.0	6.5
Standard Deviation										0.0	4.6
CV										0.0	11.76
Grand Mean										33.33	39.25
Bartlett's X2										0.0	11.037
P(Bartlett's X2)										.	0.026*
Replicate F										0.000	1.290
Replicate Prob(F)										1.0000	0.2830
Treatment F										0.000	399.049
Treatment Prob(F)										1.0000	0.0001

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code	Rating Date	Rating Data Type	Rating Unit	IPOHE 28/May/2008 Control %	SEBEX 28/May/2008 Control %					
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	No Roundup No ALS Weeds 2 to 3"						POST	A	0 e	0 e
2	No Roundup No ALS Weeds 6 to 8"						POST	B	0 e	0 e
3	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.0178	LB A/A	1.0 OZ/A	POST	A	73 c	53 c
4	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.0178	LB A/A	1.0 OZ/A	POST	B	0 e	0 e
5	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.02	LB A/A	1.125 OZ/A	POST	A	65 d	50 c
6	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.02	LB A/A	1.125 OZ/A	POST	B	0 e	0 e
7	No Roundup First Rate Weeds 2 to 3"	84	WDG	0.0158	LB A/A	0.3 OZ/A	POST	A	75 bc	38 d
8	No Roundup First Rate Weeds 6 to 8"	84	WDG	0.0158	LB A/A	0.3 OZ/A	POST	B	0 e	0 e
9	No Roundup Classic Weeds 2 to 3"	25	DG	0.00516	LB A/A	0.33 OZ/A	POST	A	64 d	37 d
10	No Roundup Classic Weeds 6 to 8"	25	DG	0.00516	LB A/A	0.33 OZ/A	POST	B	0 e	0 e
11	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	0.75	LB A/A	17.5 OZ/A	POST	A	83 ab	94 ab

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code									IPOHE	SEBEX	
Rating Date									28/May/2008	28/May/2008	
Rating Data Type									Control	Control	
Rating Unit									%	%	
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
12	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	B	0 e	0 e
13	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.0178	LB A/A LB A/A	17.5 1.0	OZ/A OZ/A	POST	A	84 ab	93 ab
14	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.0178	LB A/A LB A/A	17.5 1.0	OZ/A OZ/A	POST	B	0 e	0 e
15	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.02	LB A/A LB A/A	17.5 1.125	OZ/A OZ/A	POST	A	84 ab	98 ab
16	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.02	LB A/A LB A/A	17.5 1.125	OZ/A OZ/A	POST	B	0 e	0 e
17	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5 84	L WDG	0.75 0.0158	LB A/A LB A/A	17.5 0.3	OZ/A OZ/A	POST	A	81 ab	85 b
18	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5 84	L WDG	0.75 0.0158	LB A/A LB A/A	17.5 0.3	OZ/A OZ/A	POST	B	0 e	0 e
19	Roundup WeatherMax Classic Weeds 2 to 3"	5.5 25	L DG	0.75 0.00516	LB A/A LB A/A	17.5 0.33	OZ/A OZ/A	POST	A	88 a	96 ab
20	Roundup WeatherMax Classic Weeds 6 to 8"	5.5 25	L DG	0.75 0.00516	LB A/A LB A/A	17.5 0.33	OZ/A OZ/A	POST	B	0 e	0 e
21	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	A	85 a	93 ab
22	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	B	0 e	0 e

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code									IPOHE	SEBEX	
Rating Date									28/May/2008	28/May/2008	
Rating Data Type									Control	Control	
Rating Unit									%	%	
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
23	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			90 a	100 a
		28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	A		
24	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 e	0 e
		28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	B		
25	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			91 a	100 a
		28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	A		
26	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 e	0 e
		28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	B		
27	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			89 a	95 ab
		84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	A		
28	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 e	0 e
		84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B		
29	Roundup WeatherMax Classic Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			89 a	99 a
		25	DG	0.00516	LB A/A	0.33	OZ/A	POST	A		
30	Roundup WeatherMax Classic Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 e	0 e
		25	DG	0.00516	LB A/A	0.33	OZ/A	POST	B		
LSD (P=.05)									6.8	8.3	
Standard Deviation									4.8	5.9	
CV									12.6	15.67	
Grand Mean									37.96	37.68	
Bartlett's X2									13.262	10.204	
P(Bartlett's X2)									0.428	0.423	
Replicate F									4.626	1.621	
Replicate Prob(F)									0.0047	0.1911	
Treatment F									304.333	223.534	
Treatment Prob(F)									0.0001	0.0001	

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
 Location: Ben Hur

Protocol ID: 08GN06JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code								MEOCO	ECHCG	IPOHE		
Rating Date								28/May/2008	9/Jun/2008			
Rating Data Type								9/Jun/2008				
Rating Unit								Control	Control	Control		
								%	%	%		
Trt	Treatment	Form	Form	Rate	Rate	Other	Other	Growth	Appl			
No.	Name	Conc	Type	Rate	Unit	Rate	Rate	Stage	Code			
1	No Roundup No ALS Weeds 2 to 3"									0 d	0 c	0 g
								POST	A			
2	No Roundup No ALS Weeds 6 to 8"									0 d	0 c	0 g
								POST	B			
3	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.0178	LB A/A	1.0	OZ/A			53 b	0 c	79 abc
								POST	A			
4	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.0178	LB A/A	1.0	OZ/A			0 d	0 c	40 def
								POST	B			
5	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.02	LB A/A	1.125	OZ/A			50 bc	0 c	59 c-f
								POST	A			
6	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.02	LB A/A	1.125	OZ/A			0 d	0 c	38 ef
								POST	B			
7	No Roundup First Rate Weeds 2 to 3"	84	WDG	0.0158	LB A/A	0.3	OZ/A			59 b	0 c	61 cde
								POST	A			
8	No Roundup First Rate Weeds 6 to 8"	84	WDG	0.0158	LB A/A	0.3	OZ/A			0 d	0 c	40 def
								POST	B			
9	No Roundup Classic Weeds 2 to 3"	25	DG	0.00516	LB A/A	0.33	OZ/A			43 c	0 c	68 bcd
								POST	A			
10	No Roundup Classic Weeds 6 to 8"	25	DG	0.00516	LB A/A	0.33	OZ/A			0 d	0 c	35 f
								POST	B			
11	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	0.75	LB A/A	17.5	OZ/A			99 a	96 ab	81 abc
								POST	A			

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								MEOCO	ECHCG	IPOHE		
Rating Date								28/May/2008	9/Jun/2008			
Rating Data Type								9/Jun/2008				
Rating Unit								Control %	Control %	Control %		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
12	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	0.75	LB A/A	17.5	OZ/A			0 d	96 ab	65 bcd
								POST	B			
13	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.0178	LB A/A LB A/A	17.5 1.0	OZ/A OZ/A			100 a	97 ab	85 abc
								POST	A			
14	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.0178	LB A/A LB A/A	17.5 1.0	OZ/A OZ/A			0 d	90 b	66 bcd
								POST	B			
15	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.02	LB A/A LB A/A	17.5 1.125	OZ/A OZ/A			100 a	100 a	93 ab
								POST	A			
16	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.02	LB A/A LB A/A	17.5 1.125	OZ/A OZ/A			0 d	92 ab	58 c-f
								POST	B			
17	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5 84	L WDG	0.75 0.0158	LB A/A LB A/A	17.5 0.3	OZ/A OZ/A			100 a	100 a	83 abc
								POST	A			
18	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5 84	L WDG	0.75 0.0158	LB A/A LB A/A	17.5 0.3	OZ/A OZ/A			0 d	90 b	60 cde
								POST	B			
19	Roundup WeatherMax Classic Weeds 2 to 3"	5.5 25	L DG	0.75 0.00516	LB A/A LB A/A	17.5 0.33	OZ/A OZ/A			100 a	95 ab	92 ab
								POST	A			
20	Roundup WeatherMax Classic Weeds 6 to 8"	5.5 25	L DG	0.75 0.00516	LB A/A LB A/A	17.5 0.33	OZ/A OZ/A			0 d	92 ab	66 bcd
								POST	B			
21	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	98 a	92 ab
								POST	A			
22	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 d	92 ab	74 abc
								POST	B			

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								MEOCO	ECHCG	IPOHE		
Rating Date								28/May/2008	9/Jun/2008			
Rating Data Type								9/Jun/2008				
Rating Unit								Control	Control	Control		
								%	%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
23	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	97 ab	98 a
		28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	A			
24	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 d	90 b	66 bcd
		28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	B			
25	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	99 a	99 a
		28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	A			
26	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 d	95 ab	66 bcd
		28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	B			
27	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	100 a	99 a
		84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	A			
28	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 d	95 ab	69 bc
		84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B			
29	Roundup WeatherMax Classic Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	96 ab	92 ab
		25	DG	0.00516	LB A/A	0.33	OZ/A	POST	A			
30	Roundup WeatherMax Classic Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			0 d	90 b	66 bcd
		25	DG	0.00516	LB A/A	0.33	OZ/A	POST	B			
LSD (P=.05)								7.9	4.5	16.4		
Standard Deviation								5.6	3.2	11.6		
CV								13.86	5.07	17.55		
Grand Mean								40.08	63.25	66.27		
Bartlett's X2								10.498	33.237	61.294		
P(Bartlett's X2)								0.033*	0.016*	0.001*		
Replicate F								2.187	2.331	0.366		
Replicate Prob(F)								0.0953	0.0798	0.7774		
Treatment F								277.387	808.862	19.415		
Treatment Prob(F)								0.0001	0.0001	0.0001		

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								SIDSP	MEOCO	GRASS		
Rating Date								9/Jun/2008	9/Jun/2008			
Rating Data Type								19/Jun/2008				
Rating Unit								Control %	Control %	Control %		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	No Roundup No ALS Weeds 2 to 3"							POST	A	0 h	0 h	
2	No Roundup No ALS Weeds 6 to 8"							POST	B	0 h	0 h	0 b
3	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	A	51 d-g	51 d-g	
4	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	B	38 efg	38 efg	0 b
5	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	A	35 fg	35 fg	
6	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	B	40 efg	40 efg	0 b
7	No Roundup First Rate Weeds 2 to 3"	84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	A	55 d-g	55 d-g	
8	No Roundup First Rate Weeds 6 to 8"	84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B	35 fg	35 fg	0 b
9	No Roundup Classic Weeds 2 to 3"	25	DG	0.00516	LB A/A	0.33	OZ/A	POST	A	61 c-f	61 c-f	
10	No Roundup Classic Weeds 6 to 8"	25	DG	0.00516	LB A/A	0.33	OZ/A	POST	B	30 g	30 g	0 b
11	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A	91 ab	91 ab	

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								SIDSP	MEOCO	GRASS		
Rating Date								9/Jun/2008	9/Jun/2008			
Rating Data Type								19/Jun/2008				
Rating Unit								Control %	Control %	Control %		
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
12	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	0.75	LB A/A	17.5	OZ/A			76 a-d	76 a-d	96 a
								POST	B			
13	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	0.75	LB A/A	17.5	OZ/A			98 a	98 a	
		28.4	DG	0.0178	LB A/A	1.0	OZ/A					
								POST	A			
14	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	0.75	LB A/A	17.5	OZ/A			73 a-d	73 a-d	94 a
		28.4	DG	0.0178	LB A/A	1.0	OZ/A					
								POST	B			
15	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	0.75	LB A/A	17.5	OZ/A			95 a	95 a	
		28.4	DG	0.02	LB A/A	1.125	OZ/A					
								POST	A			
16	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	0.75	LB A/A	17.5	OZ/A			55 d-g	55 d-g	95 a
		28.4	DG	0.02	LB A/A	1.125	OZ/A					
								POST	B			
17	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5	L	0.75	LB A/A	17.5	OZ/A			89 abc	89 abc	
		84	WDG	0.0158	LB A/A	0.3	OZ/A					
								POST	A			
18	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5	L	0.75	LB A/A	17.5	OZ/A			64 b-e	64 b-e	94 a
		84	WDG	0.0158	LB A/A	0.3	OZ/A					
								POST	B			
19	Roundup WeatherMax Classic Weeds 2 to 3"	5.5	L	0.75	LB A/A	17.5	OZ/A			98 a	98 a	
		25	DG	0.00516	LB A/A	0.33	OZ/A					
								POST	A			
20	Roundup WeatherMax Classic Weeds 6 to 8"	5.5	L	0.75	LB A/A	17.5	OZ/A			69 a-d	69 a-d	94 a
		25	DG	0.00516	LB A/A	0.33	OZ/A					
								POST	B			
21	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			95 a	95 a	
								POST	A			
22	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			79 a-d	79 a-d	96 a
								POST	B			

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code								SIDSP	MEOCO	GRASS		
Rating Date								9/Jun/2008	9/Jun/2008			
Rating Data Type								19/Jun/2008				
Rating Unit								Control	Control	Control		
								%	%	%		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
23	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			99 a	99 a	
		28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	A			
24	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			85 abc	85 abc	96 a
		28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	B			
25	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			99 a	99 a	
		28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	A			
26	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			69 a-d	69 a-d	97 a
		28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	B			
27	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			100 a	100 a	
		84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	A			
28	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			80 a-d	80 a-d	96 a
		84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B			
29	Roundup WeatherMax Classic Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			96 a	96 a	
		25	DG	0.00516	LB A/A	0.33	OZ/A	POST	A			
30	Roundup WeatherMax Classic Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			74 a-d	74 a-d	95 a
		25	DG	0.00516	LB A/A	0.33	OZ/A	POST	B			
LSD (P=.05)								17.6	17.6	2.8		
Standard Deviation								12.5	12.5	2.0		
CV								18.47	18.47	3.31		
Grand Mean								67.54	67.54	59.39		
Bartlett's X2								75.45	75.45	16.062		
P(Bartlett's X2)								0.001*	0.001*	0.042*		
Replicate F								2.999	2.999	2.555		
Replicate Prob(F)								0.0349	0.0349	0.0681		
Treatment F								21.101	21.101	2333.251		
Treatment Prob(F)								0.0001	0.0001	0.0001		

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code	Rating Date	Rating Data Type	Rating Unit	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	IPOHE Control %	SIDSP Control %
1	No Roundup No ALS Weeds 2 to 3"									POST	A		
2	No Roundup No ALS Weeds 6 to 8"									POST	B	0 c	0 c
3	No Roundup Synchrony Weeds 2 to 3"			28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	A		
4	No Roundup Synchrony Weeds 6 to 8"			28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	B	35 b	25 b
5	No Roundup Synchrony Weeds 2 to 3"			28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	A		
6	No Roundup Synchrony Weeds 6 to 8"			28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	B	33 b	30 b
7	No Roundup First Rate Weeds 2 to 3"			84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	A		
8	No Roundup First Rate Weeds 6 to 8"			84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B	28 b	25 b
9	No Roundup Classic Weeds 2 to 3"			25	DG	0.00516	LB A/A	0.33	OZ/A	POST	A		
10	No Roundup Classic Weeds 6 to 8"			25	DG	0.00516	LB A/A	0.33	OZ/A	POST	B	23 b	20 b
11	Roundup WeatherMax No ALS Weeds 2 to 3"			5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A		

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code	Rating Date	Rating Data Type	Rating Unit	IPOHE 19/Jun/2008 Control %	SIDSP 19/Jun/2008 Control %					
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code		
12	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	0.75	LB A/A	17.5 OZ/A			73 a	73 a
							POST	B		
13	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.0178	LB A/A LB A/A	17.5 OZ/A 1.0 OZ/A				
							POST	A		
14	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.0178	LB A/A LB A/A	17.5 OZ/A 1.0 OZ/A			65 a	63 a
							POST	B		
15	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.02	LB A/A LB A/A	17.5 OZ/A 1.125 OZ/A				
							POST	A		
16	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.02	LB A/A LB A/A	17.5 OZ/A 1.125 OZ/A			76 a	74 a
							POST	B		
17	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5 84	L WDG	0.75 0.0158	LB A/A LB A/A	17.5 OZ/A 0.3 OZ/A				
							POST	A		
18	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5 84	L WDG	0.75 0.0158	LB A/A LB A/A	17.5 OZ/A 0.3 OZ/A			68 a	63 a
							POST	B		
19	Roundup WeatherMax Classic Weeds 2 to 3"	5.5 25	L DG	0.75 0.00516	LB A/A LB A/A	17.5 OZ/A 0.33 OZ/A				
							POST	A		
20	Roundup WeatherMax Classic Weeds 6 to 8"	5.5 25	L DG	0.75 0.00516	LB A/A LB A/A	17.5 OZ/A 0.33 OZ/A			73 a	71 a
							POST	B		
21	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3 OZ/A				
							POST	A		
22	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3 OZ/A			76 a	84 a
							POST	B		

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Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code									IPOHE	SIDSP	
Rating Date									19/Jun/2008	19/Jun/2008	
Rating Data Type									Control	Control	
Rating Unit									%	%	
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
23	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	1.0 0.0178	LB A/A LB A/A	23.3 1.0	OZ/A OZ/A	POST	A		
24	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	1.0 0.0178	LB A/A LB A/A	23.3 1.0	OZ/A OZ/A	POST	B	68 a	69 a
25	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	1.0 0.02	LB A/A LB A/A	23.3 1.125	OZ/A OZ/A	POST	A		
26	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	1.0 0.02	LB A/A LB A/A	23.3 1.125	OZ/A OZ/A	POST	B	85 a	86 a
27	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5 84	L WDG	1.0 0.0158	LB A/A LB A/A	23.3 0.3	OZ/A OZ/A	POST	A		
28	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5 84	L WDG	1.0 0.0158	LB A/A LB A/A	23.3 0.3	OZ/A OZ/A	POST	B	73 a	79 a
29	Roundup WeatherMax Classic Weeds 2 to 3"	5.5 25	L DG	1.0 0.00516	LB A/A LB A/A	23.3 0.33	OZ/A OZ/A	POST	A		
30	Roundup WeatherMax Classic Weeds 6 to 8"	5.5 25	L DG	1.0 0.00516	LB A/A LB A/A	23.3 0.33	OZ/A OZ/A	POST	B	69 a	71 a
LSD (P=.05)									16.2	15.9	
Standard Deviation									11.4	11.1	
CV									21.09	20.94	
Grand Mean									53.83	53.2	
Bartlett's X2									9.467	12.036	
P(Bartlett's X2)									0.737	0.525	
Replicate F									0.367	0.792	
Replicate Prob(F)									0.7774	0.5051	
Treatment F									21.244	25.152	
Treatment Prob(F)									0.0001	0.0001	

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
 Location: Ben Hur

Protocol ID: 08GN06JG
 Study Director: Joseph M. Boudreaux
 Investigator: Dr. James L. Griffin

Pest Code									MEOCO
Rating Date									19/Jun/2008
Rating Data Type									Control
Rating Unit									%
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
1	No Roundup No ALS Weeds 2 to 3"							POST	A
2	No Roundup No ALS Weeds 6 to 8"							POST	B
3	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	A
4	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.0178	LB A/A	1.0	OZ/A	POST	B
5	No Roundup Synchrony Weeds 2 to 3"	28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	A
6	No Roundup Synchrony Weeds 6 to 8"	28.4	DG	0.02	LB A/A	1.125	OZ/A	POST	B
7	No Roundup First Rate Weeds 2 to 3"	84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	A
8	No Roundup First Rate Weeds 6 to 8"	84	WDG	0.0158	LB A/A	0.3	OZ/A	POST	B
9	No Roundup Classic Weeds 2 to 3"	25	DG	0.00516	LB A/A	0.33	OZ/A	POST	A
10	No Roundup Classic Weeds 6 to 8"	25	DG	0.00516	LB A/A	0.33	OZ/A	POST	B
11	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	0.75	LB A/A	17.5	OZ/A	POST	A

School of Plant, Environmental, and Soil Sciences

Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code	Rating Date	Rating Data Type	Rating Unit							MEOCO
										19/Jun/2008
										Control
										%
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
12	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	0.75	LB A/A	17.5	OZ/A			73 a
								POST	B	
13	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.0178	LB A/A LB A/A	17.5 1.0	OZ/A OZ/A			
								POST	A	
14	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.0178	LB A/A LB A/A	17.5 1.0	OZ/A OZ/A			63 a
								POST	B	
15	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5 28.4	L DG	0.75 0.02	LB A/A LB A/A	17.5 1.125	OZ/A OZ/A			
								POST	A	
16	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5 28.4	L DG	0.75 0.02	LB A/A LB A/A	17.5 1.125	OZ/A OZ/A			74 a
								POST	B	
17	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5 84	L WDG	0.75 0.0158	LB A/A LB A/A	17.5 0.3	OZ/A OZ/A			
								POST	A	
18	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5 84	L WDG	0.75 0.0158	LB A/A LB A/A	17.5 0.3	OZ/A OZ/A			63 a
								POST	B	
19	Roundup WeatherMax Classic Weeds 2 to 3"	5.5 25	L DG	0.75 0.00516	LB A/A LB A/A	17.5 0.33	OZ/A OZ/A			
								POST	A	
20	Roundup WeatherMax Classic Weeds 6 to 8"	5.5 25	L DG	0.75 0.00516	LB A/A LB A/A	17.5 0.33	OZ/A OZ/A			71 a
								POST	B	
21	Roundup WeatherMax No ALS Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A			
								POST	A	
22	Roundup WeatherMax No ALS Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A			84 a
								POST	B	

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Roundup Ready/ALS Stacked Trait Test #1

Trial ID: 08GN06JG
Location: Ben Hur

Protocol ID: 08GN06JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code									MEOCO
Rating Date									19/Jun/2008
Rating Data Type									Control
Rating Unit									%
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
23	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	A
		28.4	DG	0.0178	LB A/A	1.0	OZ/A		
24	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	B
		28.4	DG	0.0178	LB A/A	1.0	OZ/A		69 a
25	Roundup WeatherMax Synchrony Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	A
		28.4	DG	0.02	LB A/A	1.125	OZ/A		
26	Roundup WeatherMax Synchrony Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	B
		28.4	DG	0.02	LB A/A	1.125	OZ/A		86 a
27	Roundup WeatherMax First Rate Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	A
		84	WDG	0.0158	LB A/A	0.3	OZ/A		
28	Roundup WeatherMax First Rate Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	B
		84	WDG	0.0158	LB A/A	0.3	OZ/A		79 a
29	Roundup WeatherMax Classic Weeds 2 to 3"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	A
		25	DG	0.00516	LB A/A	0.33	OZ/A		
30	Roundup WeatherMax Classic Weeds 6 to 8"	5.5	L	1.0	LB A/A	23.3	OZ/A	POST	B
		25	DG	0.00516	LB A/A	0.33	OZ/A		71 a
LSD (P=.05)									15.9
Standard Deviation									11.1
CV									20.94
Grand Mean									53.2
Bartlett's X2									12.036
P(Bartlett's X2)									0.525
Replicate F									0.792
Replicate Prob(F)									0.5051
Treatment F									25.152
Treatment Prob(F)									0.0001

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Weed Control with V-10206

Experiment number : 08GN08JG
Location..... : Ben Hur Research Farm – Baton Rouge LA
Experimental design : Randomized Complete Block
Number of reps : 4
Plot size : 10X25 ft.
Row width/# per plot : N/A
Soil type..... : clay loam
OM (%)..... : 1.9
pH..... : 6.3
Planting date : N/A
Harvest date : N/A
Crop/Variety : N/A
Uniform std. treatment..... : N/A

Application type : PRE A
Date applied (mm-dd-yy) : 05-21-08
Time (hh:mm-hh:mm) : 5:00-5:15pm
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : 94/88
Wind (mph/direction) : 1-2/W
Cloud cover (%)..... : 20%
Relative humidity (%) : 50%
Soil/Leaf surface moist..... : Dry/N/A
Crop stage/height..... : N/A
Sprayer type/mph..... : CO₂bkpk/3.0
Nozzle type/size..... : FF/11002VS
Boom ht/#noz/spacing (in) : 18"/4/18"
GPA/psi (at nozzle) : 15/25
Applied by : Boudreaux

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days..... :
4-7 days/2nd week..... :
3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Weed Control with V-10206

Trial ID: 08GN08JG
Location: Ben Hur

Protocol ID: 08GN08JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

											ECHCG	IPOHE	AMACH
											19/Jun/2008	19/Jun/2008	19/Jun/2008
											Control	Control	Control
											%	%	%
Rating Date	Rating Data Type	Rating Unit											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	V-10206	85	WG	0.159	LB A/A	3	OZ/A	PRE	A	74 c	78 b	28 c	
	V-10206	85	WG	0.213	LB A/A	4	OZ/A	PRE	A	81 bc	85 ab	46 bc	
3	Valor SX	51	WG	0.094	LB A/A	2.95	OZ/A	PRE	A	86 ab	95 a	33 c	
	V-10206	85	WG	0.159	LB A/A	3	OZ/A	PRE	A				
4	Valor SX	51	WG	0.094	LB A/A	2.95	OZ/A	PRE	A	88 ab	93 a	68 ab	
	V-10206	85	WG	0.213	LB A/A	4	OZ/A	PRE	A				
5	V-10206	85	WG	0.159	LB A/A	3	OZ/A	PRE	A	91 ab	96 a	94 a	
	AAtrex	4	L	3	LB A/A	3	QT/A	PRE	A				
6	V-10206	85	WG	0.213	LB A/A	4	OZ/A	PRE	A	95 a	95 a	99 a	
	AAtrex	4	L	3	LB A/A	3	QT/A	PRE	A				
7	Prowl H2O	3.8	L	1.75	LB A/A	1.84	QT/A	PRE	A	95 a	96 a	95 a	
	AAtrex	4	L	3	LB A/A	3	QT/A	PRE	A				
8	Nontreated									0 d	0 c	0 d	
LSD (P=.05)											8.5	9.2	25.5
Standard Deviation											5.8	6.3	17.3
CV											7.58	7.85	30.02
Grand Mean											76.16	79.63	57.66
Bartlett's X2											10.526	6.176	31.537
P(Bartlett's X2)											0.104	0.404	0.001*
Replicate F											1.712	3.878	0.322
Replicate Prob(F)											0.1950	0.0237	0.8090
Treatment F											119.513	110.365	18.081
Treatment Prob(F)											0.0001	0.0001	0.0001

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Weed Control with V-10206

Trial ID: 08GN08JG
Location: Ben Hur

Protocol ID: 08GN08JG
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

											EPHMA	ECHCG	IPOLA	EPHMA
											19/Jun/2008	1/Jul/2008	1/Jul/2008	1/Jul/2008
											Control	Control	Control	Control
											%	%	%	%
Rating Date														
Rating Data Type														
Rating Unit														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	V-10206	85	WG	0.159	LB A/A 3		OZ/A	PRE	A	49 c	61 b	66 a	34 b	
	V-10206	85	WG	0.213	LB A/A 4		OZ/A	PRE	A	55 bc	69 ab	76 a	33 b	
3	Valor SX	51	WG	0.094	LB A/A 2.95		OZ/A	PRE	A	71 abc	71 ab	79 a	50 ab	
	V-10206	85	WG	0.159	LB A/A 3		OZ/A	PRE	A					
4	Valor SX	51	WG	0.094	LB A/A 2.95		OZ/A	PRE	A	71 abc	70 ab	84 a	49 ab	
	V-10206	85	WG	0.213	LB A/A 4		OZ/A	PRE	A					
5	V-10206	85	WG	0.159	LB A/A 3		OZ/A	PRE	A	74 ab	74 ab	71 a	56 ab	
	AAtrex	4	L	3	LB A/A 3		QT/A	PRE	A					
6	V-10206	85	WG	0.213	LB A/A 4		OZ/A	PRE	A	87 a	76 ab	85 a	71 a	
	AAtrex	4	L	3	LB A/A 3		QT/A	PRE	A					
7	Prowl H2O	3.8	L	1.75	LB A/A 1.84		QT/A	PRE	A	84 a	84 a	80 a	66 a	
	AAtrex	4	L	3	LB A/A 3		QT/A	PRE	A					
8	Nontreated									0 d	0 c	0 b	0 c	
LSD (P=.05)											17.1	10.3	26.9	17.3
Standard Deviation											11.6	7.0	18.3	11.7
CV											18.93	11.1	27.04	26.17
Grand Mean											61.31	63.13	67.66	44.84
Bartlett's X2											5.083	9.793	4.122	8.828
P(Bartlett's X2)											0.533	0.134	0.66	0.183
Replicate F											3.023	1.570	1.708	2.608
Replicate Prob(F)											0.0524	0.2264	0.1960	0.0785
Treatment F											23.159	56.364	9.392	14.998
Treatment Prob(F)											0.0001	0.0001	0.0001	0.0001

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Bermudagrass Shade study II

Experiment number : 08GN01MB
Location..... : Ben Hur Research Farm – Baton Rouge LA
Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 2X2 ft.
 Row width/# per plot : N/A
Soil type..... : clay loam
 OM (%)..... : 1.9
 pH..... : 6.3
Planting date : 05-05-08
Harvest date : 06-30-08
Crop/Variety : bermudagrass
Uniform std. treatment..... : N/A

Application type : N/A
Date applied (mm-dd-yy) : N/A
Time (hh:mm-hh:mm) : N/A
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : N/A
Wind (mph/direction) : N/A
Cloud cover (%)..... : N/A
Relative humidity (%) : N/A
Soil/Leaf surface moist..... : N/A
Crop stage/height..... : N/A
Sprayer type/mpg..... : N/A
Nozzle type/size..... : N/A
Boom ht/#noz/spacing (in) : N/A
GPA/psi (at nozzle) : N/A
Applied by : N/A

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days :
4-7 days/2nd week :
3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Bermudagrass Shade study II

Trial ID: 08GN01MB
Location: Ben Hur

Protocol ID: 08GN01MB
Study Director: Mariana Bittencourt
Investigator: Dr. James L. Griffin

Pest Code		CYNDA		CYNDA		CYNDA		CYNDA	
Rating Date		11/Jun/2008		11/Jun/2008		20/Jun/2008		20/Jun/2008	
Rating Data Type		Groundcover		Heights		Groudcover		Heights	
Rating Unit		%		cm		%		cm	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code
1	90% Shade								
2	70% Shade								
3	50% Shade								
4	30% Shade								
5	No Shade								
LSD (P=.05)				15.9		8.8		15.3	4.7
Standard Deviation				10.3		5.7		10.0	3.1
CV				65.38		33.1		41.29	17.62
Grand Mean				15.78		17.19		24.1	17.4
Bartlett's X2				20.059		7.77		13.4	0.214
P(Bartlett's X2)				0.001*		0.10		0.009*	0.995
Replicate F				4.400		2.384		4.284	7.356
Replicate Prob(F)				0.0263		0.1203		0.0284	0.0047
Treatment F				9.975		3.797		26.434	4.578
Treatment Prob(F)				0.0009		0.0322		0.0001	0.0178

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Bermudagrass Shade study II

Trial ID: 08GN01MB
Location: Ben Hur

Protocol ID: 08GN01MB
Study Director: Mariana Bittencourt
Investigator: Dr. James L. Griffin

Pest Code				CYNDA		CYNDA		CYNDA		
Rating Date				30/Jun/2008		30/Jun/2008		3/Jul/2008		
Rating Data Type				Groundcover		Heights		Dry Weight		
Rating Unit				%		cm		Grams		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code	
1	90% Shade							6 c	17 a	4 b
2	70% Shade							12 c	22 a	8 b
3	50% Shade							34 b	25 a	28 b
4	30% Shade							53 b	24 a	55 b
5	No Shade							85 a	19 a	134 a
LSD (P=.05)				19.1		7.0		39.3		
Standard Deviation				12.4		4.6		25.5		
CV				32.43		21.42		55.73		
Grand Mean				38.15		21.28		45.72		
Bartlett's X2				12.45		6.376		23.45		
P(Bartlett's X2)				0.014*		0.173		0.001*		
Replicate F				4.659		3.010		3.184		
Replicate Prob(F)				0.0221		0.0722		0.0630		
Treatment F				27.362		2.230		17.395		
Treatment Prob(F)				0.0001		0.1267		0.0001		

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Johnsongrass Shade Study I

Experiment number : 08GN02MB
Location..... : Ben Hur Research Farm – Baton Rouge LA
Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 2X2 ft.
 Row width/# per plot : N/A
Soil type..... : clay loam
 OM (%)..... : 1.9
 pH..... : 6.3
Planting date : 05-05-08
Harvest date : 06-16-08
Crop/Variety : johnsongrass
Uniform std. treatment..... : N/A

Application type : N/A
Date applied (mm-dd-yy) : N/A
Time (hh:mm-hh:mm) : N/A
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : N/A
Wind (mph/direction) : N/A
Cloud cover (%)..... : N/A
Relative humidity (%) : N/A
Soil/Leaf surface moist..... : N/A
Crop stage/height..... : N/A
Sprayer type/mpg..... : N/A
Nozzle type/size..... : N/A
Boom ht/#noz/spacing (in) : N/A
GPA/psi (at nozzle) : N/A
Applied by : N/A

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days..... :
4-7 days/2nd week..... :
3rd week/4th week..... :

Comments:

School of Plant, Environmental, and Soil Sciences

Johnsongrass Shade Study I

Trial ID: 08GN02MB
Location: Ben Hur

Protocol ID: 08GN02MB
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code		SORHA		SORHA		SORHA			
Rating Date		11/Jun/2008		11/Jun/2008		16/Jun/2008			
Rating Data Type		# of plants		Heights		Dry Weight			
Rating Unit				cm		grams			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Growth Stage	Appl Code	
1	90% Shade								
							13 b	41 a	2 b
2	70% Shade						14 b	37 ab	2 b
3	50% Shade						44 b	32 abc	10 ab
4	30% Shade						73 a	28 bc	11 ab
5	No Shade						98 a	23 c	17 a
LSD (P=.05)							25.5	8.9	8.6
Standard Deviation							16.6	5.8	5.6
CV							34.11	18.05	67.03
Grand Mean							48.6	32.15	8.3
Bartlett's X2							21.951	6.052	17.407
P(Bartlett's X2)							0.001*	0.195	0.002*
Replicate F							4.889	3.202	1.644
Replicate Prob(F)							0.0191	0.0622	0.2315
Treatment F							20.051	5.922	5.873
Treatment Prob(F)							0.0001	0.0072	0.0074

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Johnsongrass Shade Study III

Experiment number : 08GN05MB
Location..... : Ben Hur Research Farm – Baton Rouge LA
Experimental design : Randomized Complete Block
Number of reps : 4
Plot size : 2X2 ft.
Row width/# per plot : N/A
Soil type..... : clay loam
OM (%)..... : 1.9
pH : 6.3
Planting date : 07-24-08
Harvest date : 08-29-08
Crop/Variety : johnsongrass
Uniform std. treatment..... : N/A

Application type : N/A
Date applied (mm-dd-yy) : N/A
Time (hh:mm-hh:mm) : N/A
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : N/A
Wind (mph/direction) : N/A
Cloud cover (%)..... : N/A
Relative humidity (%) : N/A
Soil/Leaf surface moist..... : N/A
Crop stage/height..... : N/A
Sprayer type/mpg..... : N/A
Nozzle type/size..... : N/A
Boom ht/#noz/spacing (in) : N/A
GPA/psi (at nozzle) : N/A
Applied by : N/A

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days :
4-7 days/2nd week :
3rd week/4th week..... :

Comments:

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Johnsongrass Shade Study III

Trial ID: 08GN05MB
Location: Ben Hur

Protocol ID: 08GN05MB
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code		SORHA		SORHA		SORHA			
Rating Date		26/Aug/2008		26/Aug/2008		29/Aug/2008			
Rating Data Type		# of plants		Heights		Dry Weight			
Rating Unit				cm		grams			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code	
1	90% Shade								
							10 b	37 a	2 b
2	70% Shade						11 b	46 a	1 b
3	50% Shade						32 ab	62 a	8 b
4	30% Shade						38 a	57 a	13 ab
5	No Shade						54 a	58 a	24 a
LSD (P=.05)							20.7	28.1	11.6
Standard Deviation							13.5	18.2	7.6
CV							46.81	35.2	78.36
Grand Mean							28.75	51.84	9.64
Bartlett's X2							11.781	2.824	18.711
P(Bartlett's X2)							0.019*	0.588	0.001*
Replicate F							3.891	0.518	0.369
Replicate Prob(F)							0.0374	0.6779	0.7765
Treatment F							7.822	1.264	5.790
Treatment Prob(F)							0.0024	0.3370	0.0078

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Itchgrass Shade Study I

Experiment number : 08GN04MB
Location..... : Ike Boudreaux Farm – Lebeau, LA
Experimental design : Randomized Complete Block
 Number of reps : 4
 Plot size : 2X2 ft.
 Row width/# per plot : N/A
Soil type..... : silt loam
 OM (%)..... : 0.9
 pH : 5.4
Planting date : 07-09-08
Harvest date : 08-25-08
Crop/Variety : itchgrass
Uniform std. treatment..... : N/A

Application type : N/A
Date applied (mm-dd-yy) : N/A
Time (hh:mm-hh:mm) : N/A
Incorporation equipment..... : N/A
Incorporation depth..... : N/A
Air/Soil temperature (F) : N/A
Wind (mph/direction) : N/A
Cloud cover (%)..... : N/A
Relative humidity (%) : N/A
Soil/Leaf surface moist..... : N/A
Crop stage/height..... : N/A
Sprayer type/mpg..... : N/A
Nozzle type/size..... : N/A
Boom ht/#noz/spacing (in) : N/A
GPA/psi (at nozzle) : N/A
Applied by : N/A

Weed species (population/ft²).. : (height/# leaves)
N/A

Rainfall (in.)
0-24 hr/1-3 days :
4-7 days/2nd week :
3rd week/4th week..... :

Comments:

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Itchgrass Shade Study I

Trial ID: 08GN04MB
Location: Lebeau, La

Protocol ID: 08GN04MB
Study Director: Joseph M. Boudreaux
Investigator: Dr. James L. Griffin

Pest Code				ROOEX		ROOEX		ROOEX		
Rating Date				21/Aug/2008		21/Aug/2008		26/Aug/2008		
Rating Data Type				Height		# of plants		Dry Weight		
Rating Unit				cm				grams		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Unit	Other Rate	Other Unit	Growth Stage	Appl Code	
1	90% Shade							11 b	11 c	0 b
2	70% Shade							12 b	12 c	0 b
3	50% Shade							25 a	30 ab	8 a
4	30% Shade							21 a	23 bc	7 a
5	No Shade							26 a	44 a	6 a
LSD (P=.05)				4.6		14.1		2.9		
Standard Deviation				3.0		9.1		1.9		
CV				15.81		38.39		43.76		
Grand Mean				18.93		23.8		4.32		
Bartlett's X2				8.666		2.657		12.649		
P(Bartlett's X2)				0.07		0.617		0.013*		
Replicate F				1.072		0.997		0.807		
Replicate Prob(F)				0.3974		0.4277		0.5141		
Treatment F				21.486		8.874		14.235		
Treatment Prob(F)				0.0001		0.0014		0.0002		