

LSU Northeast Research Station

TO DETERMINE CROP RESPONSE EFFECTS ON SOYBEAN TO EARLY PREPLANT APPLICATIONS OF
RESOLVE FOR CORN THAT WAS NOT ABLE TO BE PLANTED OR STAND WAS LOST

GENERAL TRIAL INFORMATION

Study Director: DUPONT
Investigator: Donnie Miller
TRIAL LOCATION: ST. JOSEPH, LA
Crop 1: GLXMA SOYBEAN
Variety: PIONEER 94B73
Planting Date: 1/May/2008

SITE AND DESIGN

Plot Width, Unit: 6.67 FT
Plot Length, Unit: 25 FT
Reps: 4
Study Design: FACTORIAL

SOIL DESCRIPTION

% Sand: 50 % OM: 0.5
% Silt: 28 pH: 6.8
% Clay: 22 CEC: 12.8
Texture: SILT LOAM

APPLICATION DESCRIPTION

	A	B	C
Application Date:	3/Mar/2008	18/Mar/2008	3/Apr/2008
Time of Day:	9:45 PM	8:30 AM	10:00 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	EARPRE	EARPRE	EARPRE
Applic. Placement:	BROSOI	BROSOI	BROSOI
Air Temp., Unit:	68 F	74 F	76 F
% Relative Humidity:	77	75	74
Wind Velocity, Unit:	16.1 MPH	15.7 MPH	8.7 MPH
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	60 F	67 F	69 F
Soil Moisture:	MOIST	MOIST	MOIST
% Cloud Cover:	90	100	40

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK
Operating Pressure:	34 psi	34 psi	34 psi
Nozzle Type:	DG	DG	DG
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN
Nozzles/Row:	2	2	2
Ground Speed, Unit:	3.2 MPH	3.2 MPH	3.2 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

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FACTORIAL/POOLED ERROR AOV For GLXMA INJURY % 15/May/2008 7 DAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	35	0.000000				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	2	0.000000	0.000000	0.000	0.0000	0.00
B	2	0.000000	0.000000	0.000	0.0000	0.00
AB	4	0.000000	0.000000	0.000	0.0000	0.00
ERROR	24	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For GLXMA INJURY % 22/May/2008 14 DAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	35	0.000000				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	2	0.000000	0.000000	0.000	0.0000	0.00
B	2	0.000000	0.000000	0.000	0.0000	0.00
AB	4	0.000000	0.000000	0.000	0.0000	0.00
ERROR	24	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For GLXMA INJURY % 29/May/2008 21 DAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	35	0.000000				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	2	0.000000	0.000000	0.000	0.0000	0.00
B	2	0.000000	0.000000	0.000	0.0000	0.00
AB	4	0.000000	0.000000	0.000	0.0000	0.00
ERROR	24	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For GLXMA INJURY % 5/Jun/2008 28 DAE						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	35	0.000000				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	2	0.000000	0.000000	0.000	0.0000	0.00
B	2	0.000000	0.000000	0.000	0.0000	0.00
AB	4	0.000000	0.000000	0.000	0.0000	0.00
ERROR	24	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For GLXMA INJURY % 5/Jun/2008 1STBLOOM						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	35	0.000000				
R	3	0.000000	0.000000	0.000	0.0000	0.00
A	2	0.000000	0.000000	0.000	0.0000	0.00
B	2	0.000000	0.000000	0.000	0.0000	0.00
AB	4	0.000000	0.000000	0.000	0.0000	0.00
ERROR	24	0.000000	0.000000			

FACTORIAL/POOLED ERROR AOV For GLXMA YIELD LB 23/Sep/2008						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	35	94.191361				
R	3	11.708840	3.902947	1.432	0.2581	1.61
A	2	2.294358	1.147179	0.421	0.6613	1.39
B	2	2.932282	1.466141	0.538	0.5909	1.39
AB	4	11.830161	2.957540	1.085	0.3861	2.41
ERROR	24	65.425719	2.726072			

FACTORIAL/POOLED ERROR AOV For GLXMA MOISTURE % 23/Sep/2008						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	35	1206.568372				
R	3	82.838946	27.612982	1.129	0.3570	4.81
A	2	248.493381	124.246690	5.081	0.0145	4.17
B	2	66.373266	33.186633	1.357	0.2764	4.17
AB	4	222.036710	55.509177	2.270	0.0913	7.22
ERROR	24	586.826070	24.451086			

FACTORIAL/POOLED ERROR AOV For GLXMA YIELD BU/A 23/Sep/2008 TY1 1						
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F	Prob(F)	LSD (.05)
Total	35	1641.917049				
R	3	182.797653	60.932551	1.315	0.2925	6.6
A	2	148.302516	74.151258	1.600	0.2226	5.7
B	2	22.933182	11.466591	0.247	0.7827	5.7
AB	4	175.897576	43.974394	0.949	0.4530	9.9
ERROR	24	1111.986122	46.332755			

Column 8: TY1 = 4.353823*[6]*(100-@MVAVGREP(7))/87