

# LSU Northeast Research Station

## BURNDOWN WEED CONTROL WITH IGNITE

Trial ID: HP05NARJN3

Study Dir.:

Location:

Investigator: Donnie Miller

### SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 25 FT Reps: 4

Site Type:

Tillage Type: Study Design: RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

### APPLICATION DESCRIPTION

	A	B
Application Date:	18/Apr/2005	3/May/2005
Time of Day:	4:00	2:30
Application Method:	SPRAY	SPRAY
Application Timing:	PREPOS	ATPLAN
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	83 F	81 F
% Relative Humidity:	33	44
Wind Velocity, Unit:	6.5 MPH	1.6 MPH
Dew Presence (Y/N):		
Water Hardness:		
Soil Temp., Unit:	80 F	78 F
Soil Moisture:		
% Cloud Cover:	40	30

### WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	HPPVU 3-6"	HPPVU 5-9"
Stage Scale:		
Density, Unit:		

### APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 BCPCK	CO2 BCPCK
Operating Pressure:	38 PSI	38 PSI
Nozzle Type:	AI	AI
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:	2	2
Band Width, Unit:		
Boom Length, Unit:		
Boom Height, Unit:		
Ground Speed, Unit:	3.2 MPH	3.2 MPH
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA
Spray pH:		
Propellant:		
Tank Mix (Y/N):		

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## WEED CONTROL PROGRAMS WITH BURNDOWN APPLICATIONS

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Weed Code	HPPVU	HPPVU	HPPVU	GOSHI	HPPVU
Crop Code	GOSHI	GOSHI	GOSHI	GOSHI	GOSHI
Rating Data Type	CONTROL	CONTROL	CONTROL	INJURY	CONTROL
Rating Unit	%	%	%	%	%
Rating Date	25/Apr/2005	2/May/2005	16/May/2005	16/May/2005	31/May/2005
Trt-Eval Interval	7 DAIT	14 DAIT	28 DAIT	28 DAIT	28 DAT-B
Trt Treatment	Rate	Rate	Rate	Rate	Rate
No. Name	Unit	1	2	3	4
1 IGNITE	22.9 oz/a	74 a	90 a	94 a	0 a
2 IGNITE	22.9 oz/a	71 a	91 a	93 a	0 a
DICAMBA	8 oz/a				
3 IGNITE	22.9 oz/a	70 a	88 a	93 a	0 a
2,4-D ESTER	24 oz/a				
4 IGNITE	22.9 oz/a	69 a	94 a	94 a	0 a
GLYPHOSATE	32 oz/a				
5 GLYPHOSATE	32 oz/a	61 b	84 a	91 a	0 a
6 IGNITE	22.9 oz/a		0 b	88 a	0 a
DIURON	16 oz/a				93
7 NONTREATED		0 c	0 b	0 b	0 a
LSD (P=.05)		6.2	7.4	7.6	0.0
Standard Deviation		4.1	5.0	5.1	0.0
CV		7.1	7.84	6.5	0.0
Grand Mean		57.5	63.75	78.75	0.0
Bartlett's X2		3.498	7.743	9.509	0.0
P(Bartlett's X2)		0.478	0.101	0.09	.
Replicate F		0.500	0.417	0.125	0.000
Replicate Prob(F)		0.6879	0.7432	0.9441	1.0000
Treatment F		194.700	305.000	184.864	0.000
Treatment Prob(F)		0.0001	0.0001	0.0001	1.0000

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

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