

LSU Northeast Research Station

IGNITE BURNDOWN

GENERAL TRIAL INFORMATION

Study Director: BAYER CROP SCIENCE
Investigator: Donnie Miller
TRIAL LOCATION: ST JOSEPH, LA

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. HPPVU	Mare's-tail, common	Hippuris vulgaris
2. OEOLA	Eveningprimrose, cutleaf	Oenothera laciniata
3. STEME	Common chickweed	Stellaria media

SITE AND DESIGN

Plot Width, Unit: 6.67 FT
Plot Length, Unit: 25 FT
Reps: 4
Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 34 % OM: 0.6
% Silt: 54 pH: 5.3
% Clay: 12 CEC: 6.3
Texture: SILT LOAM

APPLICATION DESCRIPTION

A
Application Date: 7/Apr/2008
Time of Day: 10:25 AM
Application Method: SPRAY
Application Timing: BURNDOWN
Applic. Placement: BROFOL
Air Temp., Unit: 75 F
% Relative Humidity: 54
Wind Velocity, Unit: 2.3 MPH
Dew Presence (Y/N): N
Water Hardness: N
Soil Temp., Unit: 65 F
Soil Moisture: MOIST
% Cloud Cover: 0

WEED STAGE AT EACH APPLICATION

A
Weed 1 Code, Stage: HPPVU 5-18"
Weed 2 Code, Stage: OEOLA 6-12"
Weed 3 Code, Stage: STEME 6-8"

APPLICATION EQUIPMENT

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

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Weed Code	HPPVU	OEOLA	STEME	HPPVU	OEOLA	STEME	HPPVU	OEOLA	STEME	HPPVU	OEOLA	STEME
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%	%	%	%	%	%	%
Rating Date	14/Apr/2008	14/Apr/2008	14/Apr/2008	21/Apr/2008	21/Apr/2008	21/Apr/2008	28/Apr/2008	28/Apr/2008	28/Apr/2008	28/Apr/2008	28/Apr/2008	28/Apr/2008
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	14 DA-A	14 DA-A	14 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A
Trt Treatment												
No. Name	Rate	Unit	Appl Code	1	2	3	4	5	6	7	8	9
1 IGNITE	29 oz/a	A		41.67 bc	48.33 a	93.33 a	73.33 a	70.00 a	100.00 a	66.67 bc	78.33 a	100.00 a
2 IGNITE	36 oz/a	A		43.33 ab	45.00 a	93.33 a	80.00 a	71.67 a	100.00 a	85.00 a	86.67 a	100.00 a
3 IGNITE	29 oz/a	A		41.67 bc	50.00 a	95.00 a	68.33 a	85.00 a	100.00 a	76.67 ab	83.33 a	100.00 a
ROUNDUP POWERMAX	16 oz/a	A										
4 IGNITE	29 oz/a	A		50.00 a	50.00 a	91.67 a	71.67 a	83.33 a	100.00 a	73.33 abc	85.00 a	100.00 a
VALOR	1.5 oz/a	A										
5 IGNITE	29 oz/a	A		41.67 bc	61.67 a	93.33 a	78.33 a	81.67 a	100.00 a	66.67 bc	81.67 a	100.00 a
VALOR	2.0 oz/a	A										
6 IGNITE	29 oz/a	A		45.00 ab	53.33 a	93.33 a	68.33 a	70.00 a	100.00 a	61.67 c	81.67 a	100.00 a
VALOR	1 oz/a	A										
7 IGNITE	29 oz/a	A		43.33 ab	51.67 a	95.00 a	73.33 a	80.00 a	100.00 a	83.33 a	90.00 a	100.00 a
BARRAGE	12.8 oz/a	A										
8 IGNITE	29 oz/a	A		35.00 c	40.00 a	95.00 a	80.00 a	83.33 a	100.00 a	83.33 a	91.67 a	100.00 a
DIREX	1.5 pt/a	A										
LSD (P=.05)				7.021	14.123	3.575	12.476	18.267	0.000	13.256	13.118	0.000
Standard Deviation				4.009	8.064	2.041	7.123	10.430	0.000	7.569	7.490	0.000
CV				9.39	16.13	2.18	9.6	13.35	0.0	10.15	8.83	0.0
Grand Mean				42.71	50.0	93.75	74.17	78.13	100.0	74.58	84.79	100.0
Bartlett's X2				2.029	3.878	1.752	4.899	2.026	0.0	3.562	1.664	0.0
P(Bartlett's X2)				0.958	0.794	0.781	0.672	0.958	.	0.736	0.976	.
Replicate F				0.259	6.199	9.000	1.868	2.269	0.000	0.564	3.249	0.000
Replicate Prob(F)				0.7752	0.0118	0.0031	0.1909	0.1401	1.0000	0.5815	0.0693	1.0000
Treatment F				3.250	1.831	1.000	1.361	1.148	0.000	4.187	1.080	0.000
Treatment Prob(F)				0.0288	0.1589	0.4706	0.2947	0.3896	1.0000	0.0109	0.4253	1.0000

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