

BASF Innovation Demo Plots

Trial ID: NTS06-09 Study Dir.: Sprague, Powell
Conducted: Isleib Field Investigator: Christy Sprague

Date Planted: 5/19/09 Row Spacing: 7.5 IN
Variety: Asgrow 2107 No. of Reps: 3
Population: 200,000 % OM: 2.7
Soil Type: Silty Clay Loam pH: 6.5
Plot Size: 10 X 30 FT Desi gn: RANDOMIZED COMPLETE BLOCK

Tillage: No-Till into standing corn stubble
Fertilizer: None

Crop and Weed Description

Table with 4 columns: Weed, Code, Common Name, Scientific Name. Lists weeds like VERPG, STEME, TAROF, AMBEL, ERICA, LACSE and crop GLXMA.

Application Description

Application Timing: 7 EPP "A"
Date Treated: 5/12/09
Time Treated: 6:45 pm
% Cloud Cover: 2
Air Temp., Unit: 64 F
% Relative Humidity: 30
Wind Speed/Unit/Dir: 5 mph SE
Soil Temp., Unit: 67 F
Soil/Leaf Surface M: 5 5
Soil Moist (1=w 5=d): 5

Crop Stage at Each Application

Crop Name: GLXMA GLXMA GLXMA
Height (In.): -
Stage (L): -

Weed Stage at Each Application

Weed 1 Name: VERPG VERPG VERPG
Height (In.): 3-5
Stage (L): many
Weed 2 Name: STEME STEME STEME
Height (In.): 4-11
Stage (L): many
Weed 3 Name: TAROF TAROF TAROF
Height (In.): 8
Stage (L): many
Weed 4 Name: AMBEL AMBEL AMBEL
Height (In.): 1/2-1 1/2
Stage (L): coty-2 L
Weed 5 Name: ERICA ERICA ERICA
Height (In.): 2-5
Stage (L): many
Weed 6 Name: LACSE LACSE LACSE

Application Equipment

Appl Sprayer Speed Nozzle Nozzle Nozzle Nozzle Boom
Type MPH Type Size Height Spacing Width GPA Carrier PSI
A Cub 3.8 AirMix 11003 24" 20" 100" 19 Water 28



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Weed Code	STEME	VERPG	ERICA	TAROF	LACSE	AMBEL	ANGR	AMBEL	POLPY
Crop Code									
Rating Data Type	control	control	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent
Rating Date	6/12/09	6/12/09	6/12/09	6/12/09	6/12/09	6/12/09	7/21/09	7/21/09	7/21/09
Trt-Eval Interval	31 DA-A	31 DA-A	31 DA-A	31 DA-A	31 DA-A	31 DA-A	70 DA-A	70 DA-A	70 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	STEME	VERPG	ERICA	TAROF	LACSE	AMBEL	ANGR	AMBEL	POLPY
9	Optill	68	WG	2	oz/a	7 EPP	A	99	99	99	98	99	99	99	99	99
9	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	A									
9	MSO		L	1	% v/v	7 EPP	A									
9	AMS		WG	17	lb/100 gal	7 EPP	A									
9	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	B									
9	Activator 90		L	0.25	% v/v	POST	B									
9	AMS		WG	17	lb/100 gal	POST	B									
9	BAS 500 18F	2.09	L	6	fl oz/a	R3	C									
9	Activator 90		L	0.25	% v/v	R3	C									
10	Optill	68	WG	2	oz/a	7 EPP	A	99	99	99	97	99	99	99	99	99
10	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	A									
10	MSO		L	1	% v/v	7 EPP	A									
10	AMS		WG	17	lb/100 gal	7 EPP	A									
10	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	B									
10	BAS 500 18F	2.09	L	6	fl oz/a	POST	B									
10	Activator 90		L	0.25	% v/v	POST	B									
10	AMS		WG	17	lb/100 gal	POST	B									
11	BAS 944 61H	85	WG	2.6	oz/a	7 EPP	A	0	0	0	0	0	0	99	99	99
11	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	A									
11	Activator 90		L	0.25	% v/v	7 EPP	A									
11	AMS		WG	17	lb/100 gal	7 EPP	A									
11	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	B									
11	Activator 90		L	0.25	% v/v	POST	B									
11	AMS		WG	17	lb/100 gal	POST	B									
LSD (P=.05)								0.0	0.0	0.0	2.6	1.2	1.5	0.0	0.9	2.7
Standard Deviation								0.0	0.0	0.0	1.5	0.7	0.9	0.0	0.5	1.6
CV								0.0	0.0	0.0	1.88	0.86	1.1	0.0	0.59	1.75



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Weed Code	ERICA	GLXMA	ANGR	AMBEL	ERICA	CHEAL	GLXMA	GLXMA
Crop Code	control	injury	control	control	control	control	moisture	yield
Rating Data Type	percent	percent	percent	percent	percent	percent	percent	bu/acre
Rating Unit	7/21/09	8/4/09	8/4/09	8/4/09	8/4/09	8/4/09	11/9/09	11/9/09
Rating Date	70 DA-A	84 DA-A	84 DA-A	84 DA-A	84 DA-A	84 DA-A	181 DA-A	at 13% M
Trt-Eval Interval								

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	ERICA	GLXMA	ANGR	AMBEL	ERICA	CHEAL	GLXMA moisture	GLXMA yield
9	Optill	68	WG	2	oz/a	7 EPP	A	99	0	99	99	99	99	13.4	63.0
9	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	A								
9	MSO		L	1	% v/v	7 EPP	A								
9	AMS		WG	17	lb/100 gal	7 EPP	A								
9	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	B								
9	Activator 90		L	0.25	% v/v	POST	B								
9	AMS		WG	17	lb/100 gal	POST	B								
9	BAS 500 18F	2.09	L	6	fl oz/a	R3	C								
9	Activator 90		L	0.25	% v/v	R3	C								
10	Optill	68	WG	2	oz/a	7 EPP	A	99	0	99	99	99	99	13.4	63.3
10	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	A								
10	MSO		L	1	% v/v	7 EPP	A								
10	AMS		WG	17	lb/100 gal	7 EPP	A								
10	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	B								
10	BAS 500 18F	2.09	L	6	fl oz/a	POST	B								
10	Activator 90		L	0.25	% v/v	POST	B								
10	AMS		WG	17	lb/100 gal	POST	B								
11	BAS 944 61H	85	WG	2.6	oz/a	7 EPP	A	99	0	99	99	99	99	13.5	61.2
11	Roundup PowerMax	4.5	SL	22	fl oz/a	7 EPP	A								
11	Activator 90		L	0.25	% v/v	7 EPP	A								
11	AMS		WG	17	lb/100 gal	7 EPP	A								
11	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	B								
11	Activator 90		L	0.25	% v/v	POST	B								
11	AMS		WG	17	lb/100 gal	POST	B								
LSD (P=.05)								0.0	0.0	0.0	0.0	0.0	0.0	0.70	9.44
Standard Deviation								0.0	0.0	0.0	0.0	0.0	0.0	0.41	5.54
CV								0.0	0.0	0.0	0.0	0.0	0.0	3.06	9.68