

Ohio State University Horticulture and Crop Science

BASF Innovation Plots

Trial ID: 09CORNDEMO Protocol ID: 09CORNDEMO
 Location: WESTERN BRANCH G-8 Study Director: Anthony F. Dobbels
 Project ID: 09CORNDEMO Investigator: Dr. Mark M. Loux
 Sponsor Contact: Caren Judge, BASF

General Trial Information

Study Director: Anthony F. Dobbels **Title:** Research Associate
Investigator: Dr. Mark M. Loux

Trial Location

City: South Charleston
State/Prov.: Ohio
Postal Code: 45368
Country: USA

Personnel

Study Director: Anthony F. Dobbels **Title:** Research Associate
Affiliation: The Ohio State University
Address: 7721 South Charleston Pike
Location: South Charleston OH
Postal Code: 45368 **E-mail:** dobbels.1@osu.edu
Investigator: Dr. Mark M. Loux

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: Pioneer 33W84 **Description:** RR/LL
BBCH Scale: BCOR **Planting Date:** 5/5/2009
Planting Method: SEEDED seeded **Rate, Unit:** 32097 S/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN
Seed Bed: COARSE coarse
Soil Moisture: GOOD good

Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 30 FT
Plot Area, Unit: 300 FT²
Replications: 3 **Study Design:** RACOB Randomized Complete Block (RCB)

Application Description

	A	B	C	D
Application Date:	5/6/2009			
Time of Day:	8:30 A.M.			
Application Method:	SPRAY			
Application Timing:	PRE			
Application Placement:	BROFOL			
Air Temperature, Unit:	55 F			
% Relative Humidity:	70			
Wind Velocity, Unit:	6 MPH			
Wind Direction:	E			
Dew Presence (Y/N):	N no			
Soil Temperature, Unit:	52 F			
Soil Moisture:	GOOD			
% Cloud Cover:	20			
Next Rain Occurred On:	5/6/2009			

Crop Stage At Each Application

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	A	B	C	D
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR

Application Equipment

	A	B	C	D
Appl. Equipment:	BACKPACK			
Operating Pressure, Unit:	53	PSI		
Nozzle Type:	TEEJET DG			
Nozzle Size:	11002			
Nozzle Spacing, Unit:	18	IN		
Boom Length, Unit:	10	FT		
Boom Height, Unit:	20	IN		
Ground Speed, Unit:	3	MPH		
Carrier:	WATER			
Spray Volume, Unit:	20	GPA		
Mix Size, Unit:	3	L		
Propellant:	CO2			

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Trt No.	Treatment Type	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot No. Rep. 1	2	3	Notes
1	CHK	Untreated Check									101	203	306	
2	HERB	Lexar	3.7	SE	3.24	lb ai/a	3.5	qt/a	PRE	A	102	206	301	
3	HERB	Integrity	5.6	SC	1.09	lb ai/a	25	oz/a	PRE	A	103	202	305	
4	HERB	Harness Extra 5.6	5.6	EC	2.1	lb ai/a	1.5	qt/a	PRE	A	104	205	307	
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	MPO	B				
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	MPO					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	MPO					
5	HERB	Guardsman Max	5	SL	1.88	lb ai/a	3	pt/a	PRE	A	105	201	302	
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	MPO	B				
	HERB	Status	56	WG	0.0875	lb ai/a	2.5	oz/a	MPO					
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	MPO					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	MPO					
6	HERB	Integrity	5.6	SC	0.744	lb ai/a	17	oz/a	PRE	A	106	204	303	
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	MPO	B				
	HERB	Status	56	WG	0.0875	lb ai/a	2.5	oz/a	MPO					
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	MPO					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	MPO					
7	HERB	BAS 9446H	85	WG	0.17	lb ai/a	3.2	oz/a	PRE	A	107	207	304	
	HERB	Sharpen	2.85	SC	0.111	lb ai/a	5	oz/a	PRE					
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	V-6	C				
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	V-6					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	V-6					
8	HERB	Integrity	5.6	SC	0.744	lb ai/a	17	oz/a	PRE	A	108	209	312	
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	V-6	C				
	FUNG	Headline	2.09	EC	0.098	lb ai/a	6	oz/a	V-6					
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	V-6					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	V-6					
9	HERB	Integrity	5.6	SC	0.744	lb ai/a	17	oz/a	PRE	A	109	212	311	
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	V-6	C				
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	V-6					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	V-6					
	FUNG	Headline	2.09	EC	0.098	lb ai/a	6	oz/a	VT/R1	D				
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	VT/R1					
10	HERB	Integrity	5.6	SC	0.744	lb ai/a	17	oz/a	PRE	A	110	211	313	
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	V-6	C				
	FUNG	Headline	2.09	EC	0.098	lb ai/a	6	oz/a	V-6					
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	V-6					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	V-6					
	FUNG	Headline	2.09	EC	0.098	lb ai/a	6	oz/a	VT/R1	D				
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	VT/R1					
11	HERB	Integrity	5.6	SC	0.744	lb ai/a	17	oz/a	PRE	A	111	213	308	

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Trt No.	Type	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot No. Rep. 1	2	3	Notes
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	V-6	C				
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	V-6					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	V-6					
	FUNG	BAS 556 UUF	1.67	SC	0.13	lb ai/a	10	oz/a	VT/R1	D				
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	VT/R1					
12	HERB	Integrity	5.6	SC	0.744	lb ai/a	17	oz/a	PRE	A	112	210	309	
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	V-6	C				
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	V-6					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	V-6					
	FUNG	EXP Fungicide 1							VT/R1	D				
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	VT/R1					
13	HERB	Integrity	5.6	SC	0.744	lb ai/a	17	oz/a	PRE	A	113	208	310	
	HERB	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	V-6	C				
	FUNG	EXP Fungicide 2							V-6					
	ADJ	NIS	100	SL	0.25	% v/v	6.4	oz/a	V-6					
	ADJ	N-PAK AMS	100	L	5	% v/v	4	qt/a	V-6					

Sort Order: Replicate 1