

Ohio State University Horticulture and Crop Science

AMS Alternatives with Roundup PowerMax in Roundup Ready Corn

Trial ID: 09POCAMS Protocol ID: 09POCAMS
 Location: Study Director: Anthony F. Dobbels
 Project ID: 09POCAMS Investigator: Dr. Mark M. Loux
 Sponsor Contact: John Smith, WinField Solutions

General Trial Information

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

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 **Title:** Professor
Affiliation: The Ohio State University
Address: 222 Kottman Hall, 2021 Coffey Road
Location: Columbus OH
Postal Code: 43210 **E-mail:** loux.1@osu.edu

Cooperator/Landowner

Cooperator: Western Agriculture Research Station
Organization: OARDC
Address 1: 7721 South Charleston Pike
Phone No.: 614-462-8016
City: South Charleston
State/Prov: OH
Postal Code: 45368
Country: USA United States

Crop Description

Crop 1: ZEAMX Zea mays Corn
Variety: Dekalb 61-19 **Description:** RR
BBCH Scale: BCOR **Planting Date:** 4/26/2009
Planting Method: SEEDED seeded **Rate, Unit:** 32097 S/A
Depth, Unit: 1.5 IN
Row Spacing, Unit: 30 IN
Seed Bed: SMOOTH smooth
Soil Moisture: NORMAL normal

Site and Design

Plot Width, Unit: 6.67 FT **Site Type:** FIELD field
Plot Length, Unit: 30 FT **Experimental Unit:** 1 PLOT plot
Plot Area, Unit: 200.1 FT2 **Tillage Type:** CONTIL conventional-till
Replications: 3 **Study Design:** RACOB Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

Crop Stage At Each Application

Crop 1 Code, BBCH Scale: ZEAMX BCOR

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Trt No.	Treatment Type	Treatment Name	Form Conc	Form Type	Rate Rate	Form Unit	Other Rate	Other Unit	Growth Stage	Appl Code	Plot No. Rep.	1	2	3	Notes
1	HERB ADJ	Roundup PowerMax N-PAK AMS	4.5 100	SL L	0.77 2.5	lb %	ae/a v/v	22 1	oz/a qt/a	POST POST	A	101	203	304	
2	HERB ADJ	Roundup PowerMax Alliance	4.5 100	SL L	0.77 1.25	lb %	ae/a v/v	22 0.5	oz/a qt/a	POST POST	A	102	208	301	
3	HERB ADJ	Roundup PowerMax AG 08014	4.5 100	SL L	0.77 1	lb %	ae/a v/v	22 0.4	oz/a qt/a	POST POST	A	103	204	305	
4	HERB ADJ	Roundup PowerMax AG 08015	4.5 100	SL L	0.77 1	lb %	ae/a v/v	22 0.4	oz/a qt/a	POST POST	A	104	209	302	
5	HERB ADJ	Roundup PowerMax AG 08031	4.5 100	SL L	0.77 1	lb %	ae/a v/v	22 0.4	oz/a qt/a	POST POST	A	105	201	309	
6	HERB ADJ	Roundup PowerMax AG 08034	4.5 100	SL L	0.77 1	lb %	ae/a v/v	22 0.4	oz/a qt/a	POST POST	A	106	202	307	
7	HERB ADJ	Roundup PowerMax AG 07090	4.5 100	SL L	0.77 1.25	lb %	ae/a v/v	22 0.5	oz/a qt/a	POST POST	A	107	210	306	
8	HERB ADJ	Roundup PowerMax AG 03019	4.5 100	SL L	0.77 0.5	lb %	ae/a v/v	22 0.2	oz/a qt/a	POST POST	A	108	205	308	
9	HERB ADJ	Roundup PowerMax AG 07043	4.5 100	SL L	0.77 1	lb %	ae/a v/v	22 0.4	oz/a qt/a	POST POST	A	109	206	310	
10	CHK	Untreated Check										110	207	303	

Sort Order: Replicate 1