

Ohio State University  
Horticulture and Crop Science

Control options for RR Corn in replant situations

Title No. 2:

Trial ID: 09CORNTKO                      Protocol ID: 09CORNTKO  
 Location: WESTERN BRANCH F-10 E      Study Director: Anthony F. Dobbels  
 Project ID: 09CORNTKO                  Investigator: Dr. Mark M. Loux  
    Sponsor Contact: Dain Bruns, Syngenta

#### Pest Description

**Pest 1 Type:** W                      **Code:** ZEAMX Zea mays  
    **Common Name:** Corn  
    **Description:** Dekalb 61-19 Roundup Ready  
    **Artificial Population:** X      **Establishment Date:** Apr-28-2009  
    **Establishment Rate, Unit:** 28513 Seeds/A  
    **Establishment Method/Description:** 30" Row Corn Planter

#### 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 FT<sup>2</sup>                      **Tillage Type:** NOTILL no-till  
**Replications:** 3                                      **Study Design:** RACOB L Randomized Complete Block (RCB)  
    **Untreated Arrangement:** INCLUDED single control randomized in each block

#### Application Description

**A**

**Application Date:** May-30-2009  
**Time of Day:** 8:00 AM  
**Application Method:** SPRAY  
**Application Timing:** POST  
**Application Placement:** BROFOL  
**Air Temperature, Unit:** 62 F  
**% Relative Humidity:** 60  
**Wind Velocity, Unit:** 2 MPH  
**Wind Direction:** E  
**Dew Presence (Y/N):** N no  
**Soil Temperature, Unit:** 62 F  
**Soil Moisture:** DRY  
**% Cloud Cover:** 2

#### Pest Stage At Each Application

**A**

**Pest 1 Code, Type, Scale:** ZEAMX W  
**Stage Majority, Percent:** 13 100  
**Height, Unit:** 6 IN  
**Height Minimum, Maximum:** 5 6

#### Application Equipment

**A**

**Appl. Equipment:** BACKPACK  
**Equipment Type:** SPRBAC  
**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:** CO<sub>2</sub>

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Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code	Plot No.			Notes
										Rep. 1	2	3	
1	utc									101	205	304	
2	Gramoxone Inteon	2	SL	0.625	lb ai/a	40	oz/a	V2	A	102	206	305	
	AAtrex	4	F	0.5	lb ai/a	16	oz/a	V2					
	COC	100	SL	1	% v/v	1	% v/v	V2					
3	Gramoxone Inteon	2	SL	0.625	lb ai/a	40	oz/a	V2	A	103	202	303	
	Sencor 75DF	75	DF	0.14	lb ai/a	3	oz/a	V2					
	COC	100	SL	1	% v/v	1	% v/v	V2					
4	Gramoxone Inteon	2	SL	0.625	lb ai/a	40	oz/a	V2	A	104	203	301	
	Sencor 75DF	75	DF	0.25	lb ai/a	5.33	oz/a	V2					
	COC	100	SL	1	% v/v	1	% v/v	V2					
5	Select Max	1	EC	0.0625	lb ai/a	8	oz/a	V2	A	105	204	306	
	COC	100	SL	1	% v/v	1	% v/v	V2					
6	Ignite	2.34	EC	0.402	lb ai/a	22	oz/a	V2	A	106	201	302	
	N-PAK AMS	100	L	5	% v/v	4.4	qt/a	V2					

Sort Order: Replicate 1