

## Stratego Demonstration in Corn.

Trial ID: 08-18-ME70

Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu  
 City State Zip Country: Belleville IL 62221 USA  
 Trial Status: FINAL Initiation Date: 06-12-08

Objectives: Demonstrate the efficacy of foliar applications  
 of Stratego in corn.

Crop 1: ZEAMD Dent corn Variety: DKC 60-18  
 Planting Method: SEEDED Planting Date: 06-12-08  
 Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN  
 Row Spacing, Unit: 30 IN

Pest 1 Type: D Code: CERCZM Cercospora zeae-maydis Gray leaf spot of maize

Plot Width, Unit: 10 FT Site Type: FIELD  
 Plot Length, Unit: 33 FT Tillage Type: REDUCED-TILL  
 Replications: 4 Study Design: Randomized Complete Block

Prior Crops, Year  
 1. GLXMA 2007

Field Prep./Maintenance: N 150 LB/A, P205 0 LB/A, K20 150 LB/A

% OM: 2.6 Texture: SILT LOAM  
 pH: 5.9 Soil Name: BETHALTO  
 CEC: 14 Fert. Level: P1 74 LB/A, K 445 LB/A

## Application Description

	A	B
Application Date:	07-31-08	08-06-08
Time of Day:	12:30	11:00
Application Method:	Spray	Spray
Application Timing:	VT	7DA"A"
Application Placement:	BROFOL	BROFOL
Applied By:	DKT	DKT
Air Temperature, Unit:	80 F	84 F
% Relative Humidity:	92	70
Wind Velocity, Unit:	2 MPH	1 MPH
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	79 F	88 F
Soil Moisture:	ABONOR	ABONOR
% Cloud Cover:	75	80

	A	B
Crop stage at application:	VT	R1
Height Min, Max (inch):	144 148	144 148

## Application Equipment

	A	B
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002
Boom Length, Unit:	5 FT	5 FT
Spray Volume, Unit:	20 GPA	20 GPA

Stratego Demonstration in Corn.

Trial ID: 08-18-ME70

Location: Belleville Res. Center

Pest Code	ZEAMD	ZEAMD	ZEAMD	CERCZM	CERCZM
Crop Code	11-21-08	11-21-08		ZEAMD	ZEAMD
Rating Date	Moisture	Yield	Injury	Incidence	Severity
Rating Data Type	Percent	bu/A	Percent	Percent	Percent
Rating Unit			21 DAT	21 DAT	21 DAT
Rating Timing					
Trt-Eval Interval					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ZEAMD 11-21-08	ZEAMD 11-21-08	ZEAMD	CERCZM 21 DAT	CERCZM 21 DAT
1	NONTREATED									16.8 a	205 a	0 a	1.0 a	0.4 a
2	STRATEGO	2.08	EC	0.163	lb ai/a	10	fl oz/a	VT	A	16.8 a	216 a	0 a	0.0 b	0.0 b
2	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	VT	A					
3	STRATEGO	2.08	EC	0.163	lb ai/a	10	fl oz/a	VT	A	16.9 a	216 a	0 a	0.0 b	0.0 b
3	SEVIN XLR PLUS	4	SC	1	lb ai/a	1	qt/a	VT	A					
4	STRATEGO	2.08	EC	0.163	lb ai/a	10	fl oz/a	VT	A	16.7 a	214 a	0 a	0.0 b	0.0 b
4	BAYTHROID XL	1	EC	0.0188	lb ai/a	2.4	fl oz/a	VT	A					
5	STRATEGO	2.08	EC	0.163	lb ai/a	10	fl oz/a	7DA"A"	B	17.2 a	210 a	0 a	0.0 b	0.0 b
5	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	7DA"A"	B					
6	STRATEGO	2.08	EC	0.163	lb ai/a	10	fl oz/a	7DA"A"	B	16.8 a	225 a	0 a	0.0 b	0.0 b
6	SEVIN XLR PLUS	4	SC	1	lb ai/a	1	qt/a	7DA"A"	B					
7	STRATEGO	2.08	EC	0.163	lb ai/a	10	fl oz/a	7DA"A"	B	17.0 a	207 a	0 a	0.0 b	0.0 b
7	BAYTHROID XL	1	EC	0.0188	lb ai/a	2.4	fl oz/a	7DA"A"	B					
LSD (P=.05)										0.66	26.6	0.0	0.00	0.11
Replicate F										3.869	0.507	0.000	0.000	1.000
Replicate Prob(F)										0.0269	0.6824	1.0000	1.0000	0.4155
Treatment F										0.644	0.597	0.000	0.000	16.000
Treatment Prob(F)										0.6945	0.7291	1.0000	1.0000	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: Bayer (DRD).
2. Ratings: CI/DI/DS at 21 DAT.
3. Yield.
4. Manage trial as weed-free (ex. Lumax-PRE) applied 6-13-08.
5. DAT = Days after either the VT or 7DA"A" applications.  
Ratings at 21 DAT were on 8-21-08 and 8-27-08, respectively.
6. CERCZM = Gray leaf spot (Cercospora zeae-maydis).
7. Harvested 11-21-08, (2) 30 inch rows by 30 ft.