

Fungicide Studies, Soybean or Corn

1-31-08 (07-NF-S-W170)

Southern Illinois University

Corn Foliar Fungicide by Hybrid Evaluation.

Project Code: 07-NF-S-W170 Location: Belleville Research Center
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
Trial Status: Final Updated: 1-24-08

Objective:

Evaluate efficacy of various foliar fungicide products and application timing on two corn hybrids.

Crop 1: ZEAMX corn, field Variety: See treatment list
Planting Method: Seeded Planting Date: 6-1-07
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 40 FT Reps: 4
Tillage Type: Reduced-Till Study Design: Randomized complete block
Previous Crop, Year: GLXMA, 2006
Field Prep./Maintenance: N 150 LB/A, P205 0 LB/A, K2O 100 LB/A

Soil Name: Stoy % OM: 1.9 pH: 6.6 CEC: 11
Texture: Silt loam Fert. Level: P1: 70 LB/A, K: 282 LB/A

APPLICATION DESCRIPTION

	A	B	C
Application Date:	7-17-07	7-27-07	7-30-07
Time of Day:	14:00	11:30	11:00
Application Method:	Spray	Spray	Spray
Application Timing:	2WPT	VT-HYB-2	VT-HYB-1
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	76 F	82 F	84 F
% Relative Humidity:	90	86	58
Wind Velocity, Unit:	0-3 MPH	0 MPH	0 MPH
% Cloud Cover:	100	50	0

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX V13-14	ZEAMX VT	ZEAMX VT
Height, Unit:	74 IN	79 IN	85 IN

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	50 PSI	50 PSI	50 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	5 FT	5 FT	5 FT
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA

NOTES:

Corn Foliar Fungicide by Hybrid Evaluation.

Project Code: 07-NF-S-W170 Location: Belleville Research Center
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Weed Code
 Crop Code
 Rating Data Type
 Rating Unit
 Rating Date
 Trt-Eval Interval

ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX
 Moisture Yield EarMalfrm Injury Injury Injury Injury GLS GLS
 Percent bu/A Percent Percent Percent Percent Percent % Incid % Sever
 10-15-07 10-15-07 10-15-07 7-17-07 7-17-07 7-17-07 7-17-07
 0 DA-A @VT 28 DAT 0 DA-A 0 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Prod Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code																
1	P33K44									14.6	b-g	190	a-f	0	a	0	a	0	a	0	a	0	a		
1	NONTREATED																								
2	DKC 60-18									13.7	h	175	f-j	0	a	0	a	0	a	0	a	0	a	0	a
2	NONTREATED																								
3	P33K44									15.0	a-d	174	f-j	0	a	0	a	0	a	0	a	0	a	0	a
3	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	2WPT	A																
3	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A																
4	DKC 60-18									14.3	d-h	168	h-k	0	a	0	a	0	a	0	a	0	a	0	a
4	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	2WPT	A																
4	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A																
5	P33K44									15.1	abc	173	g-j	0	a	0	a	0	a	0	a	0	a	0	a
5	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	2WPT	A																
5	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A																
6	DKC 60-18									14.1	fgh	165	ijk	0	a	0	a	0	a	0	a	0	a	0	a
6	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	2WPT	A																
6	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A																
7	P33K44									15.5	a	151	k	0	a	0	a	0	a	0	a	0	a	0	a
7	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	2WPT	A																
7	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	2WPT	A																
7	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A																
8	DKC 60-18									13.9	gh	160	jk	0	a	0	a	0	a	0	a	0	a	0	a
8	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	2WPT	A																
8	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	2WPT	A																
8	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A																
9	P33K44									14.7	b-f	181	d-i	0	a	0	a	0	a	0	a	0	a	0	a
9	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	2WPT	A																
9	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	2WPT	A																
9	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A																
10	DKC 60-18									14.7	b-f	168	hij	0	a	0	a	0	a	0	a	0	a	0	a
10	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	2WPT	A																
10	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	2WPT	A																
10	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A																
11	P33K44									14.9	a-e	204	a	0	a	0	a	0	a	0	a	0	a	0	a
11	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-1	C																
11	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C																
12	DKC 60-18									14.4	c-h	171	g-j	0	a	0	a	0	a	0	a	0	a	0	a
12	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-2	B																
12	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B																
13	P33K44									14.6	b-g	193	a-e	0	a	0	a	0	a	0	a	0	a	0	a
13	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	VT-HYB-1	C																
13	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C																
14	DKC 60-18									14.3	d-h	180	e-i	0	a	0	a	0	a	0	a	0	a	0	a
14	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	VT-HYB-2	B																
14	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B																
15	P33K44									15.6	a	199	abc	0	a	0	a	0	a	0	a	0	a	0	a
15	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-1	C																
15	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	VT-HYB-1	C																
15	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C																
16	DKC 60-18									14.2	e-h	170	g-j	0	a	0	a	0	a	0	a	0	a	0	a
16	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-2	B																
16	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	VT-HYB-2	B																
16	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B																
17	P33K44									15.0	a-d	187	b-g	0	a	0	a	0	a	0	a	0	a	0	a
17	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	VT-HYB-1	C																
17	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	VT-HYB-1	C																
17	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C																

Corn Foliar Fungicide by Hybrid Evaluation.

Project Code: 07-NF-S-W 170 Location: Belleville Research Center
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Weed Code
 Crop Code
 Rating Data Type
 Rating Unit
 Rating Date
 Trt-Eval Interval

ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX
 Moisture Yield Ear/Maifm Injury Injury Injury GLS GLS
 Percent bu/A Percent Percent Percent Percent % Incid % Sever
 10-15-07 10-15-07 10-15-07 7-17-07 7-17-07 7-17-07 7-17-07
 0 DA-A @VT 28 DAT 0 DA-A 0 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	ZEAMX Moisture Percent	ZEAMX Yield bu/A	ZEAMX Ear/Maifm Percent	ZEAMX Injury Percent	ZEAMX Injury Percent	ZEAMX Injury Percent	ZEAMX GLS % Incid	ZEAMX GLS % Sever		
18	DKC 60-18									14.5	b-g	183	c-h	0	a	0	a	0	a
18	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	VT-HYB-2	B										
18	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	VT-HYB-2	B										
18	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B										
19	P33K44									14.9	a-e	200	ab	0	a	0	a	0	a
19	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-1	C										
19	ENDIGO	2.06	SC	0.0483	lb ai/a	3	fl oz/a	VT-HYB-1	C										
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C										
20	DKC 60-18									14.1	fgh	181	d-i	0	a	0	a	0	a
20	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-2	B										
20	ENDIGO	2.06	SC	0.0483	lb ai/a	3	fl oz/a	VT-HYB-2	B										
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B										
21	P33K44									14.4	d-h	181	d-h	0	a	0	a	0	a
21	PUNCH	3.3	EC	0.103	lb ai/a	4	fl oz/a	VT-HYB-1	C										
21	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C										
22	DKC 60-18									14.3	d-h	184	b-h	0	a	0	a	0	a
22	PUNCH	3.3	EC	0.103	lb ai/a	4	fl oz/a	VT-HYB-2	B										
22	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B										
23	P33K44									14.7	b-f	192	a-e	0	a	0	a	0	a
23	YT669	2.08	SC	0.065	lb ai/a	4	fl oz/a	VT-HYB-1	C										
23	PUNCH	3.3	EC	0.077	lb ai/a	3	fl oz/a	VT-HYB-1	C										
23	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C										
24	DKC 60-18									14.1	fgh	174	f-j	0	a	0	a	0	a
24	YT669	2.08	SC	0.065	lb ai/a	4	fl oz/a	VT-HYB-2	B										
24	PUNCH	3.3	EC	0.077	lb ai/a	3	fl oz/a	VT-HYB-2	B										
24	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B										
25	P33K44									14.9	a-e	201	ab	0	a	0	a	0	a
25	YT669	2.08	SC	0.1438	lb ai/a	9	fl oz/a	VT-HYB-1	C										
25	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C										
26	DKC 60-18									14.3	d-h	184	b-h	0	a	0	a	0	a
26	YT669	2.08	SC	0.1438	lb ai/a	9	fl oz/a	VT-HYB-2	B										
26	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B										
27	P33K44									15.2	ab	181	d-i	0	a	0	a	0	a
27	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	VT-HYB-1	C										
27	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C										
28	DKC 60-18									14.7	b-f	183	c-h	0	a	0	a	0	a
28	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	VT-HYB-2	B										
28	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B										
29	P33K44									14.9	a-e	196	a-e	0	a	0	a	0	a
29	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	VT-HYB-1	C										
29	HERO (F-6113)	1.24	L	0.0387	lb ai/a	4	fl oz/a	VT-HYB-1	C										
29	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C										
30	DKC 60-18									14.4	d-h	174	f-j	0	a	0	a	0	a
30	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	VT-HYB-2	B										
30	HERO (F-6113)	1.24	L	0.0387	lb ai/a	4	fl oz/a	VT-HYB-2	B										
30	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B										
31	P33K44									14.7	b-f	197	a-d	0	a	0	a	0	a
31	DOMARK	1.9	ME	0.0594	lb ai/a	4	fl oz/a	VT-HYB-1	C										
31	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C										
32	DKC 60-18									13.7	h	171	g-j	0	a	0	a	0	a
32	DOMARK	1.9	ME	0.0594	lb ai/a	4	fl oz/a	VT-HYB-2	B										
32	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B										
LSD (P=.05)										0.76	16.7	0.0	0.0	0.0	0.0	0.0	0.0		
Replicate F										5.080	7.699	0.000	0.000	0.000	0.000	0.000	0.000		
Replicate Prob(F)										0.0027	0.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000		
Treatment F										3.065	4.571	0.000	0.000	0.000	0.000	0.000	0.000		
Treatment Prob(F)										0.0001	0.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000		

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

Corn Foliar Fungicide by Hybrid Evaluation.

Project Code: 07-NF-S-W170 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX
Crop Code	GLS	GLS	GLS	GLS
Rating Data Type	% Incid	% Sever	% Incid	% Sever
Rating Unit				
Rating Date				
Trt-Eval Interval	@VT	@VT	28 DAT	28 DAT

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code				
1	P33K44									0 a	0 a	90 a	3.5 b
1	NONTREATED												
2	DKC 60-18									0 a	0 a	90 a	10.0 a
2	NONTREATED												
3	P33K44									0 a	0 a	4 c	1.0 d
3	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	2WPT	A				
3	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A				
4	DKC 60-18									0 a	0 a	70 ab	1.5 cd
4	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	2WPT	A				
4	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A				
5	P33K44									0 a	0 a	4 c	1.0 d
5	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	2WPT	A				
5	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A				
6	DKC 60-18									0 a	0 a	69 ab	1.0 d
6	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	2WPT	A				
6	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A				
7	P33K44									0 a	0 a	2 c	1.0 d
7	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	2WPT	A				
7	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	2WPT	A				
7	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A				
8	DKC 60-18									0 a	0 a	68 ab	2.3 bcd
8	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	2WPT	A				
8	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	2WPT	A				
8	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A				
9	P33K44									0 a	0 a	69 ab	3.0 bc
9	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	2WPT	A				
9	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	2WPT	A				
9	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A				
10	DKC 60-18									0 a	0 a	47 abc	1.3 d
10	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	2WPT	A				
10	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	2WPT	A				
10	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	2WPT	A				
11	P33K44									0 a	0 a	90 a	1.0 d
11	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-1	C				
11	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
12	DKC 60-18									0 a	0 a	68 ab	2.0 bcd
12	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-2	B				
12	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
13	P33K44									0 a	0 a	47 abc	1.0 d
13	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	VT-HYB-1	C				
13	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
14	DKC 60-18									0 a	0 a	46 abc	1.0 d
14	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	VT-HYB-2	B				
14	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
15	P33K44									0 a	0 a	46 abc	1.0 d
15	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-1	C				
15	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	VT-HYB-1	C				
15	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
16	DKC 60-18									0 a	0 a	68 ab	1.0 d
16	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-2	B				
16	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	VT-HYB-2	B				
16	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
17	P33K44									0 a	0 a	5 c	1.0 d
17	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	VT-HYB-1	C				
17	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	VT-HYB-1	C				
17	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				

Corn Foliar Fungicide by Hybrid Evaluation.

Project Code: 07-NF-S-W170 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	ZEAMX	ZEAMX	ZEAMX	ZEAMX
Crop Code	GLS	GLS	GLS	GLS
Rating Data Type	% Incid	% Sever	% Incid	% Sever
Rating Unit				
Rating Date				
Trt-Eval Interval	@VT	@VT	28 DAT	28 DAT

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code				
18	DKC 60-18									0 a	0 a	25 bc	1.0 d
18	A15909	2.2	SE	0.24	lb ai/a	14	fl oz/a	VT-HYB-2	B				
18	WARRIOR	1	CS	0.025	lb ai/a	3.2	fl oz/a	VT-HYB-2	B				
18	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
19	P33K44									0 a	0 a	46 abc	1.0 d
19	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-1	C				
19	ENDIGO	2.06	SC	0.0483	lb ai/a	3	fl oz/a	VT-HYB-1	C				
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
20	DKC 60-18									0 a	0 a	46 abc	1.0 d
20	QUILT	1.67	F	0.183	lb ai/a	14	fl oz/a	VT-HYB-2	B				
20	ENDIGO	2.06	SC	0.0483	lb ai/a	3	fl oz/a	VT-HYB-2	B				
20	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
21	P33K44									0 a	0 a	69 ab	1.0 d
21	PUNCH	3.3	EC	0.103	lb ai/a	4	fl oz/a	VT-HYB-1	C				
21	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
22	DKC 60-18									0 a	0 a	68 ab	1.0 d
22	PUNCH	3.3	EC	0.103	lb ai/a	4	fl oz/a	VT-HYB-2	B				
22	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
23	P33K44									0 a	0 a	68 ab	1.0 d
23	YT669	2.08	SC	0.065	lb ai/a	4	fl oz/a	VT-HYB-1	C				
23	PUNCH	3.3	EC	0.077	lb ai/a	3	fl oz/a	VT-HYB-1	C				
23	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
24	DKC 60-18									0 a	0 a	69 ab	1.3 d
24	YT669	2.08	SC	0.065	lb ai/a	4	fl oz/a	VT-HYB-2	B				
24	PUNCH	3.3	EC	0.077	lb ai/a	3	fl oz/a	VT-HYB-2	B				
24	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
25	P33K44									0 a	0 a	90 a	1.0 d
25	YT669	2.08	SC	0.1438	lb ai/a	9	fl oz/a	VT-HYB-1	C				
25	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
26	DKC 60-18									0 a	0 a	90 a	1.0 d
26	YT669	2.08	SC	0.1438	lb ai/a	9	fl oz/a	VT-HYB-2	B				
26	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
27	P33K44									0 a	0 a	90 a	1.0 d
27	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	VT-HYB-1	C				
27	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
28	DKC 60-18									0 a	0 a	90 a	1.0 d
28	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	VT-HYB-2	B				
28	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
29	P33K44									0 a	0 a	90 a	1.3 d
29	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	VT-HYB-1	C				
29	HERO (F-6113)	1.24	L	0.0387	lb ai/a	4	fl oz/a	VT-HYB-1	C				
29	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
30	DKC 60-18									0 a	0 a	90 a	1.0 d
30	HEADLINE	2.09	EC	0.098	lb ai/a	6	fl oz/a	VT-HYB-2	B				
30	HERO (F-6113)	1.24	L	0.0387	lb ai/a	4	fl oz/a	VT-HYB-2	B				
30	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				
31	P33K44									0 a	0 a	90 a	1.3 d
31	DOMARK	1.9	ME	0.0594	lb ai/a	4	fl oz/a	VT-HYB-1	C				
31	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-1	C				
32	DKC 60-18									0 a	0 a	46 abc	1.0 d
32	DOMARK	1.9	ME	0.0594	lb ai/a	4	fl oz/a	VT-HYB-2	B				
32	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	VT-HYB-2	B				

LSD (P=.05)	0.0	0.0	46.5	1.72
Replicate F	0.000	0.000	3.683	2.577
Replicate Prob(F)	1.0000	1.0000	0.0148	0.0584
Treatment F	0.000	0.000	2.919	7.282
Treatment Prob(F)	1.0000	1.0000	0.0001	0.0001

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

Corn Foliar Fungicide by Hybrid Evaluation.

Project Code: 07-NF-S-W170 Location: Belleville Research Center
Investigator: Bryan Young

Trial Comments

1. Protocol: Syngenta, DuPont, BASF, FMC.
2. Ratings: CI/DI/DS at application "A", at application "B" and at 28-35 da "B".
Evaluate visual insect damage and type of damage at all three evaluation timings.
3. Evaluate ear deformity (10 ears/plot) at harvest.
4. Yield.
5. Blanket PRE application of Lexar (3 qt/A) plus Aatrex 4L (2.5 pt/A), to all plots 10 ft wide on 6-1-07.
6. 2WPT = 2 weeks prior to tassel. VT-HYB-1 and VT-HYB-2 are at tassel for hybrid 1 and 2, respectively.
GLS = Gray leaf spot. % Incid = Percent incidence. % Sever = Percent severity.
DA-A = Days after 2WPT application. @VT = At VT-HYB-1 or VT-HYB-2 application.
DAT = Days after VT-HYB-1 or VT-HYB-2 application. EarMalfm = Ear Malformation.
7. Ratings at @VT were on 7-27-07 and 7-30-07 for the VT-HYB-2 and VT-HYB-1 applications, respectively.
Ratings at 28 DAT were on 8-24-07 and 8-27-07 for the VT-HYB-2 and VT-HYB-1 applications, respectively.
8. There was no insect damage observed on 7-17-07 or at @VT. There was minimal insect damage at 28 DAT.
9. At 28 DAT differences in ratings for GLS incidence more likely reflect low disease pressure in some plots rather than treatment effects.
10. Harvested 10-15-07, (2) 30 inch rows by 37 ft.