

# Gylling Data Management, Inc.

Trial ID: G-A117_SDTR_Inoc_002 Missing Plot Protocol ID: G-A117_SDTR_Inoc Project ID: G-A117_SDTR_Inoc	<b>Seed Treatment with Inoculation demo</b> Location: Anywhere, MO, USA    Trial Year: 2014 Investigator: Rebecca Standish Study Director: Debra Dooley Sponsor Contact: ABC Industries, Inc.
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Pest Type Pest Code Pest Scientific Name Pest Name Crop Code Crop Scientific Name Crop Name Rating Type Rating Unit Number of Subsamples Assessed By	D - PHYTHB Phytophthora hybrids Phytophthora hybrids ZEAMD Zea mays indentata Dent corn DILOGR % 1 EMJ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Trt No.</th> <th>Treatment Type</th> <th>Form Conc</th> <th>Form Unit</th> <th>Form Type</th> <th>Description</th> <th>Supplier</th> <th>Rate</th> <th>Rate Unit</th> <th>Appl Code</th> <th>Crop ID Number</th> </tr> </thead> <tbody> <tr> <td colspan="11">TABLE OF Treatment MEANS</td> </tr> <tr> <td>1</td> <td>CHK</td> <td colspan="2"></td> <td></td> <td>Untreated Check</td> <td></td> <td>not treated</td> <td></td> <td></td> <td></td> <td>85.542 a</td> </tr> <tr> <td>1</td> <td>VAR</td> <td colspan="2"></td> <td></td> <td>Seed Product 1</td> <td></td> <td>35000 seeds/a</td> <td></td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td>SDTR</td> <td colspan="2"></td> <td></td> <td>STD Seed Treatment</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>22.207 b</td> </tr> <tr> <td>2</td> <td>VAR</td> <td colspan="2"></td> <td></td> <td>Seed Product 1</td> <td></td> <td>35000 seeds/a</td> 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Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).  
 Means and standard errors for mean separation are based on MINQUE estimated variances due to missing assessments.  
 Selected Data columns: 5-10.

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4	SDTR SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed	A			
4	VAR Seed Product 1						35000 seeds/a			1	
4	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
1	May-2-2014 DILOGR % (Data Col 5)										
5	SDTR SDTR Chem 1	500	G/L	CF		A	2.5 mg ai/seed	A			11.750 p
5	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
5	SDTR SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed	A			
5	VAR Seed Product 1						35000 seeds/a			1	
5	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
1	May-2-2014 DILOGR % (Data Col 5)										
6	SDTR SDTR Chem 1	500	G/L	CF		A	2.75 mg ai/seed	A			12.250 op
6	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
6	SDTR SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed	A			
6	VAR Seed Product 1						35000 seeds/a			1	
6	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
1	May-2-2014 DILOGR % (Data Col 5)										
1	CHK Untreated Check				not treated						83.250 cd
1	VAR Seed Product 1						35000 seeds/a			1	
2	May-9-2014 DILOGR % (Data Col 6)										
2	SDTR STD Seed Treatment										21.874 efg
2	VAR Seed Product 1						35000 seeds/a			1	
2	INOC Phytophthora infestans	10000	No/ML	AL	sporangia		3.5 bio en/row-ft				
2	May-9-2014 DILOGR % (Data Col 6)										

Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).  
 Means and standard errors for mean separation are based on MINQUE estimated variances due to missing assessments.  
 Selected Data columns: 5-10.

# Gylling Data Management, Inc.

Trial ID: G-A117_SDTR_Inoc_002 Missing Plot Protocol ID: G-A117_SDTR_Inoc Project ID: G-A117_SDTR_Inoc	<b style="text-align: center;">Seed Treatment with Inoculation demo</b> Location: Anywhere, MO, USA    Trial Year: 2014 Investigator: Rebecca Standish Study Director: Debra Dooley Sponsor Contact: ABC Industries, Inc.
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Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Description	Supplier	Rate	Unit	Appl Code	Crop ID Number	
Pest Type Pest Code Pest Scientific Name Pest Name Crop Code Crop Scientific Name Crop Name Rating Type Rating Unit Number of Subsamples Assessed By											D - PHYTHB Phytophthora hybrids Phytophthora hybrids ZEAMD Zea mays indentata Dent corn DILOGR % 1 EMJ
3	SDTR Chem 1	500	G/L	CF		A	1 mg ai/seed		A		16.750 i-n
3	SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed		A		
3	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed		A		
3	VAR Seed Product 1						35000 seeds/a				
3	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
2	May-9-2014 DILOGR % (Data Col 6)										
4	SDTR Chem 1	500	G/L	CF		A	2 mg ai/seed		A		18.250 g-l
4	SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed		A		
4	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed		A		
4	VAR Seed Product 1						35000 seeds/a				
4	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
2	May-9-2014 DILOGR % (Data Col 6)										
5	SDTR Chem 1	500	G/L	CF		A	2.5 mg ai/seed		A		13.000 nop
5	SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed		A		
5	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed		A		
5	VAR Seed Product 1						35000 seeds/a				
5	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
2	May-9-2014 DILOGR % (Data Col 6)										
6	SDTR Chem 1	500	G/L	CF		A	2.75 mg ai/seed		A		14.000 l-p
6	SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed		A		
6	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed		A		
6	VAR Seed Product 1						35000 seeds/a				
6	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
2	May-9-2014 DILOGR % (Data Col 6)										
1	CHK Untreated Check				not treated						85.000 c
1	VAR Seed Product 1						35000 seeds/a				
3	May-16-2014 DILOGR % (Data Col 7)										
2	SDTR STD Seed Treatment						35000 seeds/a				21.541 e-h
2	VAR Seed Product 1						3.5 bio en/row-ft				
2	INOC Phytophthora infestans	10000	No/ML	AL	sporangia						
3	May-16-2014 DILOGR % (Data Col 7)										
3	SDTR Chem 1	500	G/L	CF		A	1 mg ai/seed		A		17.250 h-n
3	SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed		A		
3	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed		A		
3	VAR Seed Product 1						35000 seeds/a				
3	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
3	May-16-2014 DILOGR % (Data Col 7)										
4	SDTR Chem 1	500	G/L	CF		A	2 mg ai/seed		A		19.250 f-k
4	SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed		A		
4	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed		A		
4	VAR Seed Product 1						35000 seeds/a				
4	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
3	May-16-2014 DILOGR % (Data Col 7)										

Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).  
 Means and standard errors for mean separation are based on MINQUE estimated variances due to missing assessments.  
 Selected Data columns: 5-10.

# Gylling Data Management, Inc.

Trial ID: G-A117_SDTR_Inoc_002 Missing Plot Protocol ID: G-A117_SDTR_Inoc Project ID: G-A117_SDTR_Inoc	<b style="text-align: center;">Seed Treatment with Inoculation demo</b> Location: Anywhere, MO, USA    Trial Year: 2014 Investigator: Rebecca Standish Study Director: Debra Dooley Sponsor Contact: ABC Industries, Inc.
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Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Description	Supplier	Rate	Rate Unit	Appl Code	Crop ID Number	
Pest Type Pest Code Pest Scientific Name Pest Name Crop Code Crop Scientific Name Crop Name Rating Type Rating Unit Number of Subsamples Assessed By											D - PHYTHB Phytophthora hybrids Phytophthora hybrids ZEAMD Zea mays indentata Dent corn DILOGR % 1 EMJ
5	SDTR Chem 1	500	G/L	CF		A	2.5	mg ai/seed	A		13.750 m-p
5	SDTR Chem 2	25	%	CF		A	0.5	mg ai/seed	A		
5	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A		
5	VAR Seed Product 1						35000	seeds/a			
5	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
3	May-16-2014 DILOGR % (Data Col 7)										
6	SDTR Chem 1	500	G/L	CF		A	2.75	mg ai/seed	A		14.500 l-p
6	SDTR Chem 2	25	%	CF		A	0.5	mg ai/seed	A		
6	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A		
6	VAR Seed Product 1						35000	seeds/a			
6	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
3	May-16-2014 DILOGR % (Data Col 7)										
1	CHK Untreated Check				not treated						85.750 bc
1	VAR Seed Product 1						35000	seeds/a			
4	May-23-2014 DILOGR % (Data Col 8)										
2	SDTR STD Seed Treatment						35000	seeds/a			21.874 efg
2	VAR Seed Product 1						35000	seeds/a			
2	INOC Phytophthora infestans	10000	No/ML	AL	sporangia		3.5	bio en/row-ft			
4	May-23-2014 DILOGR % (Data Col 8)										
3	SDTR Chem 1	500	G/L	CF		A	1	mg ai/seed	A		18.000 g-m
3	SDTR Chem 2	25	%	CF		A	0.5	mg ai/seed	A		
3	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A		
3	VAR Seed Product 1						35000	seeds/a			
3	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
4	May-23-2014 DILOGR % (Data Col 8)										
4	SDTR Chem 1	500	G/L	CF		A	2	mg ai/seed	A		21.000 e-i
4	SDTR Chem 2	25	%	CF		A	0.5	mg ai/seed	A		
4	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A		
4	VAR Seed Product 1						35000	seeds/a			
4	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
4	May-23-2014 DILOGR % (Data Col 8)										
5	SDTR Chem 1	500	G/L	CF		A	2.5	mg ai/seed	A		14.000 l-p
5	SDTR Chem 2	25	%	CF		A	0.5	mg ai/seed	A		
5	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A		
5	VAR Seed Product 1						35000	seeds/a			
5	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
4	May-23-2014 DILOGR % (Data Col 8)										
6	SDTR Chem 1	500	G/L	CF		A	2.75	mg ai/seed	A		15.000 k-p
6	SDTR Chem 2	25	%	CF		A	0.5	mg ai/seed	A		
6	SDTR Chem 3	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A		
6	VAR Seed Product 1						35000	seeds/a			
6	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
4	May-23-2014 DILOGR % (Data Col 8)										

Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).  
 Means and standard errors for mean separation are based on MINQUE estimated variances due to missing assessments.  
 Selected Data columns: 5-10.

# Gylling Data Management, Inc.

Trial ID: G-AII7_SDTR_Inoc_002 Missing Plot Protocol ID: G-AII7_SDTR_Inoc Project ID: G-AII7_SDTR_Inoc	<b style="text-align: center;">Seed Treatment with Inoculation demo</b> Location: Anywhere, MO, USA    Trial Year: 2014 Investigator: Rebecca Standish Study Director: Debra Dooley Sponsor Contact: ABC Industries, Inc.
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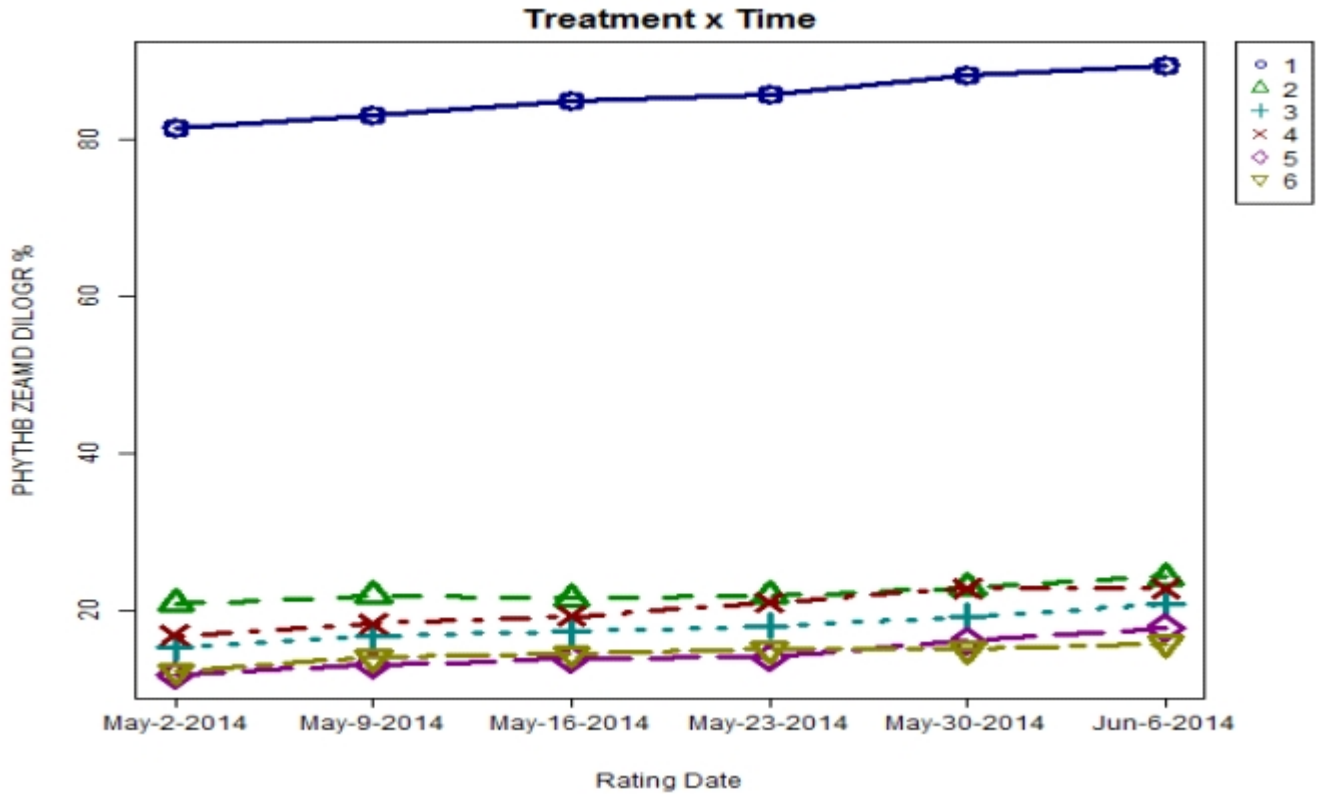
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Description	Supplier	Rate	Rate Unit	Appl Code	Crop ID Number		
Pest Type Pest Code Pest Scientific Name Pest Name Crop Code Crop Scientific Name Crop Name Rating Type Rating Unit Number of Subsamples Assessed By											D - PHYTHB Phytophthora hybrids Phytophthora hybrids ZEAMD Zea mays indentata Dent corn DILOGR % 1 EMJ	
1	CHK	Untreated Check									not treated	88.250 ab
1	VAR	Seed Product 1									35000 seeds/a	1
5		May-30-2014 DILOGR % (Data Col 9)										
2	SDTR	STD Seed Treatment									35000 seeds/a	1
2	VAR	Seed Product 1									3.5 bio en/row-ft	22.874 ef
2	INOC	10000	No/ML	AL	sporangia							
5		May-30-2014 DILOGR % (Data Col 9)										
3	SDTR	500	G/L	CF		A	1	mg ai/seed	A	19.250 f-k		
3	SDTR	25	%	CF		A	0.5	mg ai/seed	A			
3	SDTR	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A			
3	VAR	Seed Product 1									35000 seeds/a	1
3	INOC	10000	No/ML	AL	oospore			3.5 bio en/row-ft				
5		May-30-2014 DILOGR % (Data Col 9)										
4	SDTR	500	G/L	CF		A	2	mg ai/seed	A	22.750 ef		
4	SDTR	25	%	CF		A	0.5	mg ai/seed	A			
4	SDTR	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A			
4	VAR	Seed Product 1									35000 seeds/a	1
4	INOC	10000	No/ML	AL	oospore			3.5 bio en/row-ft				
5		May-30-2014 DILOGR % (Data Col 9)										
5	SDTR	500	G/L	CF		A	2.5	mg ai/seed	A	16.000 k-o		
5	SDTR	25	%	CF		A	0.5	mg ai/seed	A			
5	SDTR	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A			
5	VAR	Seed Product 1									35000 seeds/a	1
5	INOC	10000	No/ML	AL	oospore			3.5 bio en/row-ft				
5		May-30-2014 DILOGR % (Data Col 9)										
6	SDTR	500	G/L	CF		A	2.75	mg ai/seed	A	15.000 k-p		
6	SDTR	25	%	CF		A	0.5	mg ai/seed	A			
6	SDTR	3.5	LB/GAL	CF		A	0.007	mg ai/seed	A			
6	VAR	Seed Product 1									35000 seeds/a	1
6	INOC	10000	No/ML	AL	oospore			3.5 bio en/row-ft				
5		May-30-2014 DILOGR % (Data Col 9)										
1	CHK	Untreated Check									not treated	89.500 a
1	VAR	Seed Product 1									35000 seeds/a	1
6		Jun-6-2014 DILOGR % (Data Col 10)										
2	SDTR	STD Seed Treatment									35000 seeds/a	1
2	VAR	Seed Product 1									3.5 bio en/row-ft	24.207 e
2	INOC	10000	No/ML	AL	sporangia							
6		Jun-6-2014 DILOGR % (Data Col 10)										

Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).  
 Means and standard errors for mean separation are based on MINQUE estimated variances due to missing assessments.  
 Selected Data columns: 5-10.



# Gylling Data Management, Inc.

Trial ID: G-A117_SDTR_Inoc_002 Missing Plot	Location: Anywhere, MO, USA	Trial Year: 2014
Protocol ID: G-A117_SDTR_Inoc	Investigator: Rebecca Standish	
Project ID: G-A117_SDTR_Inoc	Study Director: Debra Dooley	
	Sponsor Contact: ABC Industries, Inc.	



Treatment Description:

1
2
3
4
5
6

Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).  
 Means and standard errors for mean separation are based on MINQUE estimated variances due to missing assessments.  
 Selected Data columns: 5-10.

## Gylling Data Management, Inc.

### Seed Treatment with Inoculation demo

Trial ID: G-A117_SDTR_Inoc_002 Missing Plot	Location: Anywhere, MO, USA
Protocol ID: G-A117_SDTR_Inoc	Trial Year: 2014
Project ID: G-A117_SDTR_Inoc	Investigator: Rebecca Standish
	Study Director: Debra Dooley
	Sponsor Contact: ABC Industries, Inc.

Rating Date	May-2-2014	May-9-2014	May-16-2014	May-23-2014	May-30-2014	Jun-6-2014
Rating Type	DILOGR	DILOGR	DILOGR	DILOGR	DILOGR	DILOGR
Rating Unit	%	%	%	%	%	%
Data Column	5	6	7	8	9	10
Residual Covariance 10	0.7952	1.2095	1.0512	1.0714	1.7381	2.2429
Estimated Covariance	1.5226	1.5226	1.5226	1.5226	1.5226	2.5245
Residual Correlation	0.3433	0.5838	0.4505	0.4147	0.6723	1.0000
Estimated Correlation	0.6031	0.6031	0.6031	0.6031	0.6031	1.0000
Residual Covariance 9	1.3373	1.8730	1.8948	2.3095	2.9802	
Estimated Covariance	1.5226	1.5226	1.5226	1.5226	1.5226	2.5245
Residual Correlation	0.5009	0.7843	0.7044	0.7755	1.0000	
Estimated Correlation	0.6031	0.6031	0.6031	0.6031	1.0000	
Residual Covariance 8	1.1190	1.6190	1.9464	2.9762		
Estimated Covariance	1.5226	1.5226	1.5226	2.5245		
Residual Correlation	0.4194	0.6784	0.7241	1.0000		
Estimated Correlation	0.6031	0.6031	0.6031	1.0000		
Residual Covariance 7	1.6282	1.8853	2.4278			
Estimated Covariance	1.5226	1.5226	2.5245			
Residual Correlation	0.6756	0.8747	1.0000			
Estimated Correlation	0.6031	0.6031	1.0000			
Residual Covariance 6	1.4706	1.9135				
Estimated Covariance	1.5226	2.5245				
Residual Correlation	0.6874	1.0000				
Estimated Correlation	0.6031	1.0000				
Residual Covariance 5	2.3921					
Estimated Covariance	2.5245					
Residual Correlation	1.0000					
Estimated Correlation	1.0000					

**Pest Type**

D, Disease, G-BYRD7, G-DisStg = Disease, such as a fungus, bacteria, or virus

**Pest Code**

PHYTHB, Phytophthora hybrids, Phytophthora hybrids = US

**Crop Code**

ZEAMD, BCOR, Zea mays indentata, Dent corn = US

**Rating Type**

DILOGR = disease loci - growth

**Rating Unit**

% = percent