

Gylling Data Management, Inc.

Trial ID: G-AII7_SDTR_Inoc_002 Duplicate Protocol ID: G-AII7_SDTR_Inoc Project ID: G-AII7_SDTR_Inoc	Seed Treatment with Inoculation demo 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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2	SDTR STD Seed Treatment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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2	INOC Phytophthora infestans	10000	No/ML	AL	sporangia		3.5 bio en/row-ft																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).
 Selected Data columns: 5-10.

Gylling Data Management, Inc.

Trial ID: G-AII7_SDTR_Inoc_002 Duplicate Protocol ID: G-AII7_SDTR_Inoc Project ID: G-AII7_SDTR_Inoc	Seed Treatment with Inoculation demo 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
3	SDTR SDTR Chem 1	500	G/L	CF		A	1 mg ai/seed	A			15.250 j-n
3	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
3	SDTR 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 May-2-2014 (Data Col 5)	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
4	SDTR SDTR Chem 1	500	G/L	CF		A	2 mg ai/seed	A			16.750 i-m
4	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
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				
4	INOC Phytophthora infestans May-2-2014 (Data Col 5)	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
5	SDTR SDTR Chem 1	500	G/L	CF		A	2.5 mg ai/seed	A			11.750 n
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				
5	INOC Phytophthora infestans May-2-2014 (Data Col 5)	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
6	SDTR SDTR Chem 1	500	G/L	CF		A	2.75 mg ai/seed	A			12.250 mn
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				
6	INOC Phytophthora infestans May-2-2014 (Data Col 5)	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
1	CHK Untreated Check				not treated						83.250 cd
1	VAR Seed Product 1						35000 seeds/a				
2	SDTR STD Seed Treatment										22.000 e-h
2	VAR Seed Product 1						35000 seeds/a				
2	INOC Phytophthora infestans May-9-2014 (Data Col 6)	10000	No/ML	AL	sporangia		3.5 bio en/row-ft				
3	SDTR SDTR Chem 1	500	G/L	CF		A	1 mg ai/seed	A			16.750 i-m
3	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
3	SDTR 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 May-9-2014 (Data Col 6)	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
4	SDTR SDTR Chem 1	500	G/L	CF		A	2 mg ai/seed	A			18.250 g-k
4	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
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				
4	INOC Phytophthora infestans May-9-2014 (Data Col 6)	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
5	SDTR SDTR Chem 1	500	G/L	CF		A	2.5 mg ai/seed	A			13.000 lm-n
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				
5	INOC Phytophthora infestans May-9-2014 (Data Col 6)	10000	No/ML	AL	oospore		3.5 bio en/row-ft				

Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).
 Selected Data columns: 5-10.

Gylling Data Management, Inc.

Trial ID: G-AII7_SDTR_Inoc_002 Duplicate Protocol ID: G-AII7_SDTR_Inoc Project ID: G-AII7_SDTR_Inoc	Seed Treatment with Inoculation demo 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	
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
6	SDTR Chem 1	500	G/L	CF		A	2.75	mg ai/seed	A		14.000 k-n
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		1	
6	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
2	May-9-2014 (Data Col 6)										
1	CHK Untreated Check				not treated						85.000 c
1	VAR Seed Product 1						35000	seeds/a		1	
3	May-9-2014 (Data Col 7)										
2	SDTR STD Seed Treatment										22.250 e-h
2	VAR Seed Product 1						35000	seeds/a		1	
2	INOC Phytophthora infestans	10000	No/ML	AL	sporangia		3.5	bio en/row-ft			
3	May-9-2014 (Data Col 7)										
3	SDTR Chem 1	500	G/L	CF		A	1	mg ai/seed	A		17.250 i-l
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		1	
3	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
3	May-9-2014 (Data Col 7)										
4	SDTR Chem 1	500	G/L	CF		A	2	mg ai/seed	A		19.250 f-j
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		1	
4	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
3	May-9-2014 (Data Col 7)										
5	SDTR Chem 1	500	G/L	CF		A	2.5	mg ai/seed	A		13.750 k-n
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		1	
5	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
3	May-9-2014 (Data Col 7)										
6	SDTR Chem 1	500	G/L	CF		A	2.75	mg ai/seed	A		14.500 k-n
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		1	
6	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
3	May-9-2014 (Data Col 7)										
1	CHK Untreated Check				not treated						85.750 bc
1	VAR Seed Product 1						35000	seeds/a		1	
4	May-23-2014 (Data Col 8)										
2	SDTR STD Seed Treatment										22.750 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			
4	May-23-2014 (Data Col 8)										
3	SDTR Chem 1	500	G/L	CF		A	1	mg ai/seed	A		18.000 h-k
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		1	
3	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5	bio en/row-ft			
4	May-23-2014 (Data Col 8)										

Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).
 Selected Data columns: 5-10.

Gylling Data Management, Inc.

Trial ID: G-AII7_SDTR_Inoc_002 Duplicate Protocol ID: G-AII7_SDTR_Inoc Project ID: G-AII7_SDTR_Inoc	Seed Treatment with Inoculation demo 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	
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
4	SDTR SDTR Chem 1	500	G/L	CF		A	2 mg ai/seed	A			
4	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			21.000 e-i
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				
4	May-23-2014 (Data Col 8)										
5	SDTR SDTR Chem 1	500	G/L	CF		A	2.5 mg ai/seed	A			14.000 k-n
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				
4	May-23-2014 (Data Col 8)										
6	SDTR SDTR Chem 1	500	G/L	CF		A	2.75 mg ai/seed	A			15.000 j-n
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				
4	May-23-2014 (Data Col 8)										
1	CHK Untreated Check				not treated						88.250 ab
1	VAR Seed Product 1						35000 seeds/a			1	
5	May-30-2014 (Data Col 9)										
2	SDTR STD Seed Treatment										23.500 ef
2	VAR Seed Product 1						35000 seeds/a			1	
2	INOC Phytophthora infestans	10000	No/ML	AL	sporangia		3.5 bio en/row-ft				
5	May-30-2014 (Data Col 9)										
3	SDTR SDTR Chem 1	500	G/L	CF		A	1 mg ai/seed	A			19.250 f-j
3	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
3	SDTR SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed	A			
3	VAR Seed Product 1						35000 seeds/a			1	
3	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
5	May-30-2014 (Data Col 9)										
4	SDTR SDTR Chem 1	500	G/L	CF		A	2 mg ai/seed	A			22.750 efg
4	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
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				
5	May-30-2014 (Data Col 9)										
5	SDTR SDTR Chem 1	500	G/L	CF		A	2.5 mg ai/seed	A			16.000 j-m
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				
5	May-30-2014 (Data Col 9)										
6	SDTR SDTR Chem 1	500	G/L	CF		A	2.75 mg ai/seed	A			15.000 j-n
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				
5	May-30-2014 (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 (Data Col 10)										

Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).
 Selected Data columns: 5-10.

Gylling Data Management, Inc.

Trial ID: G-AII7_SDTR_Inoc_002 Duplicate Protocol ID: G-AII7_SDTR_Inoc Project ID: G-AII7_SDTR_Inoc	Seed Treatment with Inoculation demo 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
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Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Description	Supplier	Rate	Rate Unit	Appl Code	Crop ID Number	
2	SDTR STD Seed Treatment										24.750 e
2	VAR Seed Product 1						35000 seeds/a			1	
2	INOC Phytophthora infestans	10000	No/ML	AL	sporangia		3.5 bio en/row-ft				
6	Jun-6-2014 (Data Col 10)										
3	SDTR SDTR Chem 1	500	G/L	CF		A	1 mg ai/seed	A			20.750 e-i
3	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
3	SDTR SDTR Chem 3	3.5	LB/GAL	CF		A	0.007 mg ai/seed	A			
3	VAR Seed Product 1						35000 seeds/a			1	
3	INOC Phytophthora infestans	10000	No/ML	AL	oospore		3.5 bio en/row-ft				
6	Jun-6-2014 (Data Col 10)										
4	SDTR SDTR Chem 1	500	G/L	CF		A	2 mg ai/seed	A			22.750 efg
4	SDTR SDTR Chem 2	25	%	CF		A	0.5 mg ai/seed	A			
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				
6	Jun-6-2014 (Data Col 10)										
5	SDTR SDTR Chem 1	500	G/L	CF		A	2.5 mg ai/seed	A			17.750 h-k
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				
6	Jun-6-2014 (Data Col 10)										
6	SDTR SDTR Chem 1	500	G/L	CF		A	2.75 mg ai/seed	A			15.750 j-n
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				
6	Jun-6-2014 (Data Col 10)										
Tukey's HSD P=.05 Standard Deviation											2.8221 1.0053

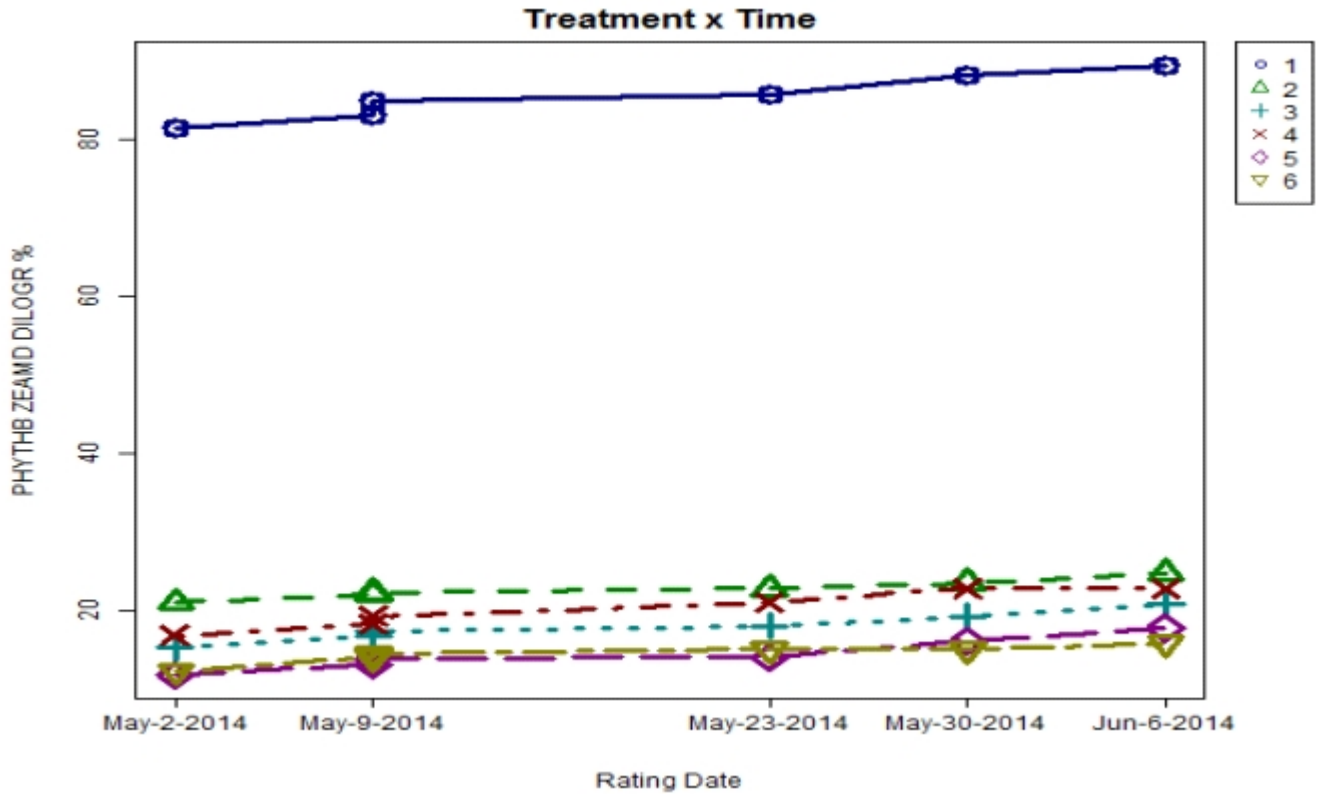
REPEATED MEASURES AOV For D PHYTHB Phytophthora hybrids Phytophthora hybrids ZEAMD Zea mays indentata Dent corn DILOGR % 1 EMJ											
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	HSD (.05)					
Total	143	93578.659722									
Replicate	3	25.965278	8.655093	0.817	0.5041						
Treatment	5	92771.034722	18554.206944	1752.310	0.0001	3.0519					
Treatment Error	15	158.826389	10.588426								
Rating Date	5	468.451389	93.690278	92.703	0.0001	0.8451					
Treatment x Rating Date	25	63.423611	2.536944	2.510	0.0008	2.8221					
Error/Residual	90	90.958333	1.010648								

Crop Code
 ZEAMD, , Zea mays indentata, Dent corn = US
Rating Type
 DILOGR = disease loci - growth
Rating Unit
 % = percent

Means followed by same letter or symbol do not significantly differ (P=.05, Tukey's HSD).
 Selected Data columns: 5-10.

Gylling Data Management, Inc.

Trial ID: G-AII7_SDTR_Inoc_002 Duplicate	Location: Anywhere, MO, USA	Trial Year: 2014
Protocol ID: G-AII7_SDTR_Inoc	Investigator: Rebecca Standish	
Project ID: G-AII7_SDTR_Inoc	Study Director: Debra Dooley	
	Sponsor Contact: ABC Industries, Inc.	



Treatment Description:

1
2
3
4
5
6

Gylling Data Management, Inc.

Seed Treatment with Inoculation demo

Trial ID: G-AII7_SDTR_Inoc_002 Duplicate Location: Anywhere, MO, USA Trial Year: 2014
 Protocol ID: G-AII7_SDTR_Inoc Investigator: Rebecca Standish
 Project ID: G-AII7_SDTR_Inoc Study Director: Debra Dooley
 Sponsor Contact: ABC Industries, Inc.

Rating Date Data Column	May-2-2014 5	May-9-2014 6	May-9-2014 7	May-23-2014 8	May-30-2014 9	Jun-6-2014 10
Residual Covariance 10	0.7278	1.1361	1.2556	1.4333	2.0194	2.3750
Estimated Covariance	1.5963	1.5963	1.5963	1.5963	1.5963	2.6069
Residual Correlation	0.3160	0.5516	0.5119	0.5011	0.7168	1.0000
Estimated Correlation	0.6123	0.6123	0.6123	0.6123	0.6123	1.0000
Residual Covariance 9	1.2278	1.7583	2.1556	2.7667	3.3417	
Estimated Covariance	1.5963	1.5963	1.5963	1.5963	2.6069	
Residual Correlation	0.4494	0.7197	0.7409	0.8155	1.0000	
Estimated Correlation	0.6123	0.6123	0.6123	0.6123	1.0000	
Residual Covariance 8	1.0222	1.5222	2.2389	3.4444		
Estimated Covariance	1.5963	1.5963	1.5963	2.6069		
Residual Correlation	0.3686	0.6137	0.7579	1.0000		
Estimated Correlation	0.6123	0.6123	0.6123	1.0000		
Residual Covariance 7	1.5056	1.7667	2.5333			
Estimated Covariance	1.5963	1.5963	2.6069			
Residual Correlation	0.6330	0.8305	1.0000			
Estimated Correlation	0.6123	0.6123	1.0000			
Residual Covariance 6	1.3722	1.7861				
Estimated Covariance	1.5963	2.6069				
Residual Correlation	0.6871	1.0000				
Estimated Correlation	0.6123	1.0000				
Residual Covariance 5	2.2333					
Estimated Covariance	2.6069					
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