

Fierce XLT evaluation

Trial ID: 15 PRPOS2
Protocol ID: 15 PRPOS2
Project ID: Fierce MD 64.01 and 64.04

Location: F-7 MIDDLE Trial Year: 2015
Investigator: Dr. Mark M. Loux
Study Director: Bryan Reeb
Sponsor Contact: Eric Ott, Valent

General Trial Information

Study Director: Bryan Reeb
Investigator: Dr. Mark M. Loux

Latitude of LL Corner °: 39.86029 N
Longitude of LL Corner °: 83.6718 W

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

Study Director: Bryan Reeb
Investigator: Dr. Mark M. Loux

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: SCS 9363
Description: RoundUp Ready

Planting Date: 5-7-2015
Planting Method: PLANTD planted
Planting Equipment: KINZE
Emergence Date: 5-15-2015

Planting Rate, Unit: 180000 S/A
Depth, Unit: 1 IN
Row Spacing, Unit: 15 IN
Soil Temperature, Unit: 70 F
Soil Moisture: GOOD good
Seed Bed: MEDIUM medium

Pest Description

- Pest 1 Type:** W **Code:** SETFA *Setaria faberi*
Common Name: Giant foxtail
- Pest 2 Type:** W **Code:** CHEAL *Chenopodium album*
Common Name: Common lambsquarters
- Pest 3 Type:** W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed
- Pest 4 Type:** W **Code:** ABUTH *Abutilon theophrasti*
Common Name: velvetleaf
- Pest 5 Type:** W **Code:** HIBTR *Hibiscus trionum*
Common Name: Venice mallow
- Pest 6 Type:** W **Code:** AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed
- Pest 7 Type:** W **Code:** SIDSP *Sida spinosa*
Common Name: Prickly sida
- Pest 8 Type:** W **Code:** POLPY *Persicaria pensylvanica*
Common Name: Pennsylvania smartweed

Site and Design

Treated Plot Width: 6.67 FT
Treated Plot Length: 30 FT
Treated Plot Area: 200.1 FT2 **Treatments:** 10
Replications: 3

Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: CONTIL conventional-till
Study Design: RACOB� Randomized Complete Block (RCB)

Soil Description

Description Name: F-7 Middle
% OM: 1.9 **Texture:** SIL silt loam
pH: 6.4 **Soil Name:** Crosby
CEC: 13.3 **Fert. Level:** G good
Soil Drainage: G good

Application Description

	A	B
Application Date:	5-8-2015	6-3-2015
Appl. Start Time:	9:00 AM	10:00AM
Appl. Stop Time:	10:00 AM	10:30 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE ATPL	POST
Application Placement:	BROSOI	BROFOL
Applied By:		Ackley/Lamb
Air Temperature, Unit:	73 F	61 F
% Relative Humidity:	66	86
Wind Velocity, Unit:	1.3 MPH	4 MPH
Wind Direction:	S	NNE
Dew Presence (Y/N):	N no	Y yes
Soil Temperature, Unit:	61 F	59 F
Soil Moisture:	DRY	WET
% Cloud Cover:	10	100
Next Moisture Occurred On:	5-11-2015	6-5-2015
Time to Next Moisture, Unit:	3 DAY	2 DAY

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH
Stage Majority, Percent:		14 100
Height, Unit:		5 IN
Height Minimum, Maximum:		4 6

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:		14 100
Stage Minimum, Percent:		12 100
Stage Maximum, Percent:		14 100
Height, Unit:		6 IN
Height Minimum, Maximum:		3 6
Density, Unit:		50 M2
Pest 2 Code, Type, Scale:	CHEAL W	CHEAL W
Stage Majority, Percent:		18 100
Stage Minimum, Percent:		18 100
Stage Maximum, Percent:		19 100
Height, Unit:		3 IN
Height Minimum, Maximum:		0.5 6
Density, Unit:		1.33 M2
Pest 3 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:		16 100
Stage Minimum, Percent:		16 100
Stage Maximum, Percent:		18 100
Height, Unit:		4 IN
Height Minimum, Maximum:		4 8
Density, Unit:		2.33 M2
Pest 4 Code, Type, Scale:	ABUTH W	ABUTH W
Stage Majority, Percent:		14 100
Stage Minimum, Percent:		12 100
Stage Maximum, Percent:		14 100
Height, Unit:		1 IN
Height Minimum, Maximum:		1 3
Pest 5 Code, Type, Scale:	HIBTR W	HIBTR W
Stage Majority, Percent:		12 100
Stage Minimum, Percent:		12 100
Stage Maximum, Percent:		14 100
Height, Unit:		0.5 IN
Height Minimum, Maximum:		0.5 1
Pest 6 Code, Type, Scale:	AMARE W	AMARE W
Density, Unit:		1 M2
Pest 7 Code, Type, Scale:	SIDSP W	SIDSP W
Density, Unit:		0.33 M2
Pest 8 Code, Type, Scale:	POLPY W	POLPY W
Density, Unit:		0.33 M2

Application Equipment

	A	B
Appl. Equipment:	6' BACKPACK	6' BACKPACK
Equipment Type:	BACCAI	BACCAI
Operation Pressure, Unit:	44 PSI	44 PSI
Nozzle Type:	AIXR	AIXR
Nozzle Size:	11015	11015
Nozzle Spacing, Unit:	18 IN	18 IN
Nozzles/Row:	4	4
Boom Length, Unit:	6.67 FT	6.67 FT
Boom Height, Unit:	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 gal/ac	15 gal/ac
Mix Size, Unit:	1 liters	1 liters
Propellant:	COMCO2	COMCO2

Fierce XLT evaluation

Trial ID: 15 PRPOS2 Location: F-7 MIDDLE Trial Year: 2015
 Protocol ID: 15 PRPOS2 Investigator: Dr. Mark M. Loux
 Project ID: Fierce MD 64.01 and 64.04 Study Director: Bryan Reeb
 Sponsor Contact: Eric Ott, Valent

Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	SETFA	ABUTH	AMBTR	CHEAL					
Pest Scientific Name	Setaria faberi	Abutilon theop>	Ambrosia trifi>	Chenopodium al>					
Pest Name	Giant foxtail	velvetleaf	Giant ragweed	Common lambsqu>					
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Crop Variety									
Description									
Part Rated									
Rating Date	6-4-2015	6-4-2015	6-4-2015	6-4-2015					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Days After First/Last Applic.	27 1	27 1	27 1	27 1					
Plant-Eval Interval	28 DP-1	28 DP-1	28 DP-1	28 DP-1					
Days After Emergence	20 DE-1	20 DE-1	20 DE-1	20 DE-1					
Trt Treatment	Other Rate	Other Rate	Appl Unit	Appl Code	Description	1	2	3	4
1 UTC						0.0 f	0.0 c	0.0 b	0.0 c
2 Authority First	3.2 oz/a		A	PRE		43.3 de	100.0 a	76.7 a	100.0 a
3 Authority First	6.45 oz/a		A	PRE		50.0 cde	100.0 a	78.3 a	100.0 a
4 Fierce	3.0 oz/a		A	PRE		71.7 abc	100.0 a	76.7 a	100.0 a
4 Firstrate	0.300 oz/a		A	PRE					
5 Fierce	4.5 oz/a		A	PRE		78.3 a	100.0 a	75.0 a	90.0 b
5 Firstrate	0.450 oz/a		A	PRE					
6 Envive @ 3.0 oz/ac						30.0 e	100.0 a	70.0 a	100.0 a
6 Classic	1.1 oz/a		A	PRE					
6 Thifensulfuron	0.172 oz/a		A	PRE					
6 Valor SX	1.68 oz/a		A	PRE					
7 Roundup Power Max	32 oz/a		B	POST		0.0 f	0.0 c	0.0 b	0.0 c
7 NIS	4.8 oz/a		B	POST					
7 N-pak ams	2.25 qt/a		B	POST					
8 Fierce XLT	4 oz/a		A	PRE		73.3 ab	100.0 a	71.7 a	100.0 a
8 Roundup Power Max	32 oz/a		B	POST					
8 NIS	4.8 oz/a		B	POST					
8 N-pak ams	2.25 qt/a		B	POST					
9 Authority MAXX	6.0 oz/a		A	PRE		53.3 bcd	100.0 a	71.7 a	100.0 a
9 Roundup Power Max	32 oz/a		B	POST					
9 NIS	4.8 oz/a		B	POST					
9 N-pak ams	2.25 qt/a		B	POST					

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 9,12 because error mean square = 0.

The Ohio State University

Pest Type									
Pest Code					W Weed	W Weed	W Weed	W Weed	
Pest Scientific Name					SETFA	ABUTH	AMBTR	CHEAL	
Pest Name					Setaria faberi	Abutilon theop>	Ambrosia trifi>	Chenopodium al>	
Crop Code					Giant foxtail	velvetleaf	Giant ragweed	Common lambsqu>	
BBCH Scale									
Crop Scientific Name									
Crop Name									
Crop Variety									
Description									
Part Rated									
Rating Date					6-4-2015	6-4-2015	6-4-2015	6-4-2015	
Rating Type					CONTRO	CONTRO	CONTRO	CONTRO	
Rating Unit					%	%	%	%	
Number of Subsamples					1	1	1	1	
Days After First/Last Applic.					27 1	27 1	27 1	27 1	
Plant-Eval Interval					28 DP-1	28 DP-1	28 DP-1	28 DP-1	
Days After Emergence					20 DE-1	20 DE-1	20 DE-1	20 DE-1	
Trt Treatment	Other	Other	Appl	Appl					
No. Name	Rate	Rate	Unit	Code	Description	1	2	3	4
10 Boundary	1.8 pt/a		A	PRE		78.3 a	90.0 b	70.0 a	100.0 a
10 Roundup Power Max	32 oz/a		B	POST					
10 NIS	4.8 oz/a		B	POST					
10 N-pak ams	2.25 qt/a		B	POST					
LSD P=.05						22.03	9.40	10.61	9.40
Standard Deviation						12.84	5.48	6.18	5.48
CV						26.85	6.93	10.48	6.93
Grand Mean						47.83	79.00	59.00	79.00
Bartlett's X2						10.959	0.0	5.231	0.0
P(Bartlett's X2)						0.09	.	0.388	.
Skewness						-0.3999	-1.5223*	-1.4209*	-1.5223*
Kurtosis						-1.2589	0.4019	0.3472	0.4019
Replicate F						3.734	1.000	1.242	1.000
Replicate Prob(F)						0.0440	0.3874	0.3124	0.3874
Treatment F						16.227	174.333	76.523	174.333
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Scientific Name		Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name		Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code	GLXMA			
BBCH Scale	BSOY			
Crop Scientific Name	Glycine max			
Crop Name	Soybean			
Crop Variety	SCS 9363			
Description	RR			
Part Rated	PLANT C			
Rating Date	6-4-2015	6-17-2015	6-17-2015	6-17-2015
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	27 1	40 14	40 14	40 14
Plant-Eval Interval	28 DP-1	41 DP-1	41 DP-1	41 DP-1
Days After Emergence	20 DE-1	33 DE-1	33 DE-1	33 DE-1

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit	Appl Code	Description	5	6	7	8
1	UTC						0.0 c	0.0 d	0.0 d	0.0 b
2	Authority First	3.2 oz/a		A		PRE	0.0 c	33.3 c	10.0 cd	90.0 a
3	Authority First	6.45 oz/a		A		PRE	0.0 c	70.0 ab	46.7 b	100.0 a
4	Fierce	3.0 oz/a		A		PRE	1.7 bc	58.3 bc	43.3 b	100.0 a
4	Firstrate	0.300 oz/a		A		PRE				
5	Fierce	4.5 oz/a		A		PRE	3.3 b	71.7 ab	33.3 bc	90.0 a
5	Firstrate	0.450 oz/a		A		PRE				
6	Envive @ 3.0 oz/ac						0.0 c	43.3 bc	50.0 b	100.0 a
6	Classic	1.1 oz/a		A		PRE				
6	Thifensulfuron	0.172 oz/a		A		PRE				
6	Valor SX	1.68 oz/a		A		PRE				
7	Roundup Power Max	32 oz/a		B		POST	0.0 c	93.3 a	98.3 a	100.0 a
7	NIS	4.8 oz/a		B		POST				
7	N-pak ams	2.25 qt/a		B		POST				
8	Fierce XLT	4 oz/a		A		PRE	16.7 a	96.3 a	87.3 a	100.0 a
8	Roundup Power Max	32 oz/a		B		POST				
8	NIS	4.8 oz/a		B		POST				
8	N-pak ams	2.25 qt/a		B		POST				
9	Authority MAXX	6.0 oz/a		A		PRE	0.0 c	93.3 a	93.0 a	100.0 a
9	Roundup Power Max	32 oz/a		B		POST				
9	NIS	4.8 oz/a		B		POST				
9	N-pak ams	2.25 qt/a		B		POST				

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Scientific Name		Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name		Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code	GLXMA			
BBCH Scale	BSOY			
Crop Scientific Name	Glycine max			
Crop Name	Soybean			
Crop Variety	SCS 9363			
Description	RR			
Part Rated	PLANT C			
Rating Date	6-4-2015	6-17-2015	6-17-2015	6-17-2015
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	27 1	40 14	40 14	40 14
Plant-Eval Interval	28 DP-1	41 DP-1	41 DP-1	41 DP-1
Days After Emergence	20 DE-1	33 DE-1	33 DE-1	33 DE-1

Trt Treatment No. Name	Other Rate	Other Rate Unit	Appl Code	Appl Description	5	6	7	8
10 Boundary	1.8 pt/a		A	PRE	0.0 c	90.0 a	91.7 a	100.0 a
10 Roundup Power Max	32 oz/a		B	POST				
10 NIS	4.8 oz/a		B	POST				
10 N-pak ams	2.25 qt/a		B	POST				
LSD P=.05					2.50	28.45	24.58	13.65
Standard Deviation					1.46	16.58	14.33	7.96
CV					67.35	25.52	25.88	9.04
Grand Mean					2.17	64.97	55.37	88.00
Bartlett's X2					0.0	23.058	6.259	0.0
P(Bartlett's X2)					.	0.002*	0.618	.
Skewness					2.5547*	-0.9317*	-0.2054	-2.5495*
Kurtosis					5.7196*	-0.3859	-1.3856	5.1963*
Replicate F					2.739	0.838	1.058	0.474
Replicate Prob(F)					0.0915	0.4486	0.3677	0.6302
Treatment F					38.304	10.938	18.607	46.105
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Scientific Name		Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name		Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code	GLXMA			
BBCH Scale	BSOY			
Crop Scientific Name	Glycine max			
Crop Name	Soybean			
Crop Variety	SCS 9363			
Description	RR			
Part Rated	PLANT C			
Rating Date	6-17-2015	7-1-2015	7-1-2015	7-1-2015
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	40 14	54 28	54 28	54 28
Plant-Eval Interval	41 DP-1	55 DP-1	55 DP-1	55 DP-1
Days After Emergence	33 DE-1	47 DE-1	47 DE-1	47 DE-1

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit	Appl Code	Description	9	10	11	12
1	UTC						0.0 a	0.0 f	0.0 e	0.0 b
2	Authority First	3.2 oz/a		A	PRE		0.0 a	26.7 e	33.3 cd	100.0 a
3	Authority First	6.45 oz/a		A	PRE		0.0 a	60.0 cd	46.7 cd	100.0 a
4	Fierce	3.0 oz/a		A	PRE		0.0 a	63.3 cd	26.7 de	100.0 a
4	Firstrate	0.300 oz/a		A	PRE					
5	Fierce	4.5 oz/a		A	PRE		0.0 a	71.7 bc	30.0 cde	100.0 a
5	Firstrate	0.450 oz/a		A	PRE					
6	Envive @ 3.0 oz/ac						0.0 a	43.3 de	60.0 bc	100.0 a
6	Classic	1.1 oz/a		A	PRE					
6	Thifensulfuron	0.172 oz/a		A	PRE					
6	Valor SX	1.68 oz/a		A	PRE					
7	Roundup Power Max	32 oz/a		B	POST		0.0 a	88.3 ab	90.0 ab	100.0 a
7	NIS	4.8 oz/a		B	POST					
7	N-pak ams	2.25 qt/a		B	POST					
8	Fierce XLT	4 oz/a		A	PRE		0.0 a	91.7 ab	86.7 ab	100.0 a
8	Roundup Power Max	32 oz/a		B	POST					
8	NIS	4.8 oz/a		B	POST					
8	N-pak ams	2.25 qt/a		B	POST					
9	Authority MAXX	6.0 oz/a		A	PRE		0.0 a	91.7 ab	86.7 ab	100.0 a
9	Roundup Power Max	32 oz/a		B	POST					
9	NIS	4.8 oz/a		B	POST					
9	N-pak ams	2.25 qt/a		B	POST					

Pest Type		W Weed	W Weed	W Weed
Pest Code		SETFA	AMBTR	CHEAL
Pest Scientific Name		Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name		Giant foxtail	Giant ragweed	Common lambsqu>
Crop Code	GLXMA			
BBCH Scale	BSOY			
Crop Scientific Name	Glycine max			
Crop Name	Soybean			
Crop Variety	SCS 9363			
Description	RR			
Part Rated	PLANT C			
Rating Date	6-17-2015	7-1-2015	7-1-2015	7-1-2015
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	40 14	54 28	54 28	54 28
Plant-Eval Interval	41 DP-1	55 DP-1	55 DP-1	55 DP-1
Days After Emergence	33 DE-1	47 DE-1	47 DE-1	47 DE-1

Trt Treatment No. Name	Other Rate	Other Rate Unit	Appl Code	Appl Description	9	10	11	12
10 Boundary	1.8 pt/a		A	PRE	0.0 a	100.0 a	91.7 a	100.0 a
10 Roundup Power Max	32 oz/a		B	POST				
10 NIS	4.8 oz/a		B	POST				
10 N-pak ams	2.25 qt/a		B	POST				
LSD P=.05					.	22.16	30.24	.
Standard Deviation					0.00	12.92	17.63	0.00
CV					0.0	20.29	31.95	0.0
Grand Mean					0.00	63.67	55.17	90.00
Bartlett's X2					0.0	15.786	9.55	0.0
P(Bartlett's X2)					.	0.015*	0.298	.
Skewness					.	-0.8827*	-0.3665	-2.8091*
Kurtosis					.	-0.3493	-1.225	6.3081*
Replicate F					0.000	0.634	1.620	0.000
Replicate Prob(F)					1.0000	0.5419	0.2255	1.0000
Treatment F					0.000	18.789	10.289	0.000
Treatment Prob(F)					1.0000	0.0001	0.0001	1.0000

Pest Type
 Pest Code
 Pest Scientific Name
 Pest Name
 Crop Code GLXMA
 BBCH Scale BSOY
 Crop Scientific Name Glycine max
 Crop Name Soybean
 Crop Variety SCS 9363
 Description RR
 Part Rated PLANT C
 Rating Date 7-1-2015
 Rating Type PHYGEN
 Rating Unit %
 Number of Subsamples 1
 Days After First/Last Applic. 54 28
 Plant-Eval Interval 55 DP-1
 Days After Emergence 47 DE-1

Trt No.	Treatment Name	Other Rate	Other Rate	Unit	Appl Code	Appl Description	
							13
1	UTC						0.0 b
2	Authority First	3.2 oz/a			A	PRE	0.0 b
3	Authority First	6.45 oz/a			A	PRE	0.0 b
4	Fierce	3.0 oz/a			A	PRE	0.0 b
4	Firstrate	0.300 oz/a			A	PRE	0.0 b
5	Fierce	4.5 oz/a			A	PRE	0.0 b
5	Firstrate	0.450 oz/a			A	PRE	0.0 b
6	Envive @ 3.0 oz/ac						0.0 b
6	Classic	1.1 oz/a			A	PRE	
6	Thifensulfuron	0.172 oz/a			A	PRE	
6	Valor SX	1.68 oz/a			A	PRE	
7	Roundup Power Max	32 oz/a			B	POST	1.0 b
7	NIS	4.8 oz/a			B	POST	
7	N-pak ams	2.25 qt/a			B	POST	
8	Fierce XLT	4 oz/a			A	PRE	3.3 a
8	Roundup Power Max	32 oz/a			B	POST	
8	NIS	4.8 oz/a			B	POST	
8	N-pak ams	2.25 qt/a			B	POST	
9	Authority MAXX	6.0 oz/a			A	PRE	1.0 b
9	Roundup Power Max	32 oz/a			B	POST	
9	NIS	4.8 oz/a			B	POST	
9	N-pak ams	2.25 qt/a			B	POST	

Pest Type
 Pest Code
 Pest Scientific Name
 Pest Name
 Crop Code GLXMA
 BBCH Scale BSOY
 Crop Scientific Name Glycine max
 Crop Name Soybean
 Crop Variety SCS 9363
 Description RR
 Part Rated PLANT C
 Rating Date 7-1-2015
 Rating Type PHYGEN
 Rating Unit %
 Number of Subsamples 1
 Days After First/Last Applic. 54 28
 Plant-Eval Interval 55 DP-1
 Days After Emergence 47 DE-1

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	Appl Description	
						13
10	Boundary	1.8	pt/a	A	PRE	0.0 b
10	Roundup Power Max	32	oz/a	B	POST	
10	NIS	4.8	oz/a	B	POST	
10	N-pak ams	2.25	qt/a	B	POST	

LSD P=.05 1.92
 Standard Deviation 1.12
 CV 210.1
 Grand Mean 0.53
 Bartlett's X2 0.717
 P(Bartlett's X2) 0.699
 Skewness 2.5705*
 Kurtosis 5.462*

Replicate F 2.416
 Replicate Prob(F) 0.1176
 Treatment F 2.726
 Treatment Prob(F) 0.0335

