

LSU AgCenter

Tolerance of Southern Rice Cultivars to Regiment

Experiment number : **C03-28**
Location : RRS - Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size : 5' x 17'
Row width/# per plot..... : 7.5"/9
Soil type : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH : 6.4
CEC : 19.1
Planting date : 04/15/03
Harvest date..... : 08/18/03
Crop/Variety : Rice/Cultivar Trial
Emergence date..... : 04/25/03
Uniform std. treatment..... : 3 qt Arrosolo + 1 oz Permit – 05/09/03; 20 fl oz. Clincher + 2.5% COC –05/21/03

Application type..... : EPOT LPOT
Date applied [mm/dd/yy] : 05/05/03 05/20/03
Time [hh:mm-hh:mm] : 11:00-11:30a 11:30-11:58a
Incorporation equip./Depth : N/A N/A
Air/Soil temperature [F] : 82/80 87/85
Relative humidity [%]..... : 72 37
Wind [mph, direction] : 6,S 6,E
Weather [sunny, etc] : overcast pc
Soil/Leaf surface moist : moist/dry dry/dry
Crop stage/Height : 3lf/5-6" 4-5lf/6-8"
Sprayer type/MPH..... : Hood/3.0 CO₂BkPk/3.0
Nozzle type/Size : FF/110015 DG FF/110015 TD
Boom ht/# Noz/Spacing : 18"/4/20" 18"/5/15"
GPA/PSI..... : 15/38 15/28
Applied by : Webster Zhang

Flush Dates : 04/16/03; 04/29/03; 05/09/03
Permanent Flood..... : 05/22/03

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Department of Agronomy

Tolerance of Southern Rice Cultivars to Regiment

Trial ID: C03-28

Location: RRS-Crowley, LA

Investigator: Eric P. Webster

Weed Code	RICE	RICE	RICE
Rating Data Type	INJURY	AVG HEIGHT	STAND
Rating Unit	%	CM	#/18"
Rating Date	05/15/03	05/15/03	05/15/03
Trt-Eval Interval	10DAEPOT	10DAEPOT	10DAEPOT

Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	RICE INJURY %	RICE AVG HEIGHT CM	RICE STAND #/18"
1	Bengal						28	24.8	15
1	Regiment	80	WP	0.397	oz/a	EPOT			
1	Kinetic		L	2.4	fl oz/a	EPOT			
2	Bengal						29	21.8	14
2	Regiment	80	WP	0.79	oz/a	EPOT			
2	Kinetic		L	2.4	fl oz/a	EPOT			
3	Bengal								
3	Regiment	80	WP	0.397	oz/a	LPOT			
3	Kinetic		L	2.4	fl oz/a	LPOT			
4	Bengal								
4	Regiment	80	WP	0.79	oz/a	LPOT			
4	Kinetic		L	2.4	fl oz/a	LPOT			
5	Earl						18	20.6	17
5	Regiment	80	WP	0.397	oz/a	EPOT			
5	Kinetic		L	2.4	fl oz/a	EPOT			
6	Earl						33	17.8	16
6	Regiment	80	WP	0.79	oz/a	EPOT			
6	Kinetic		L	2.4	fl oz/a	EPOT			
7	Earl								
7	Regiment	80	WP	0.397	oz/a	LPOT			
7	Kinetic		L	2.4	fl oz/a	LPOT			
8	Earl								
8	Regiment	80	WP	0.79	oz/a	LPOT			
8	Kinetic		L	2.4	fl oz/a	LPOT			
9	Cypress						10	19.8	21
9	Regiment	80	WP	0.397	oz/a	EPOT			
9	Kinetic		L	2.4	fl oz/a	EPOT			
10	Cypress						19	19.1	19
10	Regiment	80	WP	0.79	oz/a	EPOT			
10	Kinetic		L	2.4	fl oz/a	EPOT			
11	Cypress								
11	Regiment	80	WP	0.397	oz/a	LPOT			
11	Kinetic		L	2.4	fl oz/a	LPOT			

12	Cypress								
12	Regiment	80	WP	0.79	oz/a	LPOT			
12	Kinetic		L	2.4	fl oz/a	LPOT			
13	Cocodrie						13	20.9	19
13	Regiment	80	WP	0.397	oz/a	EPOT			
13	Kinetic		L	2.4	fl oz/a	EPOT			
14	Cocodrie						19	17.1	16
14	Regiment	80	WP	0.79	oz/a	EPOT			
14	Kinetic		L	2.4	fl oz/a	EPOT			
15	Cocodrie								
15	Regiment	80	WP	0.397	oz/a	LPOT			
15	Kinetic		L	2.4	fl oz/a	LPOT			
16	Cocodrie						15	21.5	17
16	Regiment	80	WP	0.79	oz/a	LPOT			
16	Kinetic		L	2.4	fl oz/a	LPOT			
17	Wells						12	24.7	17
17	Regiment	80	WP	0.397	oz/a	EPOT			
17	Kinetic		L	2.4	fl oz/a	EPOT			
18	Wells						22	19.3	18
18	Regiment	80	WP	0.79	oz/a	EPOT			
18	Kinetic		L	2.4	fl oz/a	EPOT			
19	Wells								
19	Regiment	80	WP	0.397	oz/a	LPOT			
19	Kinetic		L	2.4	fl oz/a	LPOT			
20	Wells								
20	Regiment	80	WP	0.79	oz/a	LPOT			
20	Kinetic		L	2.4	fl oz/a	LPOT			
21	CL 3291						13	24.3	15
21	Regiment	80	WP	0.397	oz/a	EPOT			
21	Kinetic		L	2.4	fl oz/a	EPOT			
22	CL 3291						10	24.8	15
22	Regiment	80	WP	0.79	oz/a	EPOT			
22	Kinetic		L	2.4	fl oz/a	EPOT			
23	CL 3291								
23	Regiment	80	WP	0.397	oz/a	LPOT			
23	Kinetic		L	2.4	fl oz/a	LPOT			
24	CL 3291								
24	Regiment	80	WP	0.79	oz/a	LPOT			
24	Kinetic		L	2.4	fl oz/a	LPOT			
25	CFX-18						16	23.4	16
25	Regiment	80	WP	0.397	oz/a	EPOT			
25	Kinetic		L	2.4	fl oz/a	EPOT			
26	CFX-18						16	21.4	23
26	Regiment	80	WP	0.79	oz/a	EPOT			
26	Kinetic		L	2.4	fl oz/a	EPOT			

27	CFX-18					
27	Regiment	80	WP	0.397	oz/a	LPOT
27	Kinetic		L	2.4	fl oz/a	LPOT

28	CFX-18					
28	Regiment	80	WP	0.79	oz/a	LPOT
28	Kinetic		L	2.4	fl oz/a	LPOT

29	Nontreated Bengal			0	27.5	18
30	Nontreated Earl			0	24.4	16
31	Nontreated Cypress			0	23.7	16
32	Nontreated Cocodrie			0	21.9	21
33	Nontreated Wells			0	25.4	18
34	Nontreated CL 3291			0	25.0	16
35	Nontreated CFX-18			0	24.7	19

LSD (P=.05)	5.9	2.93	5.8
Standard Deviation	4.2	2.07	4.1
CV	34.16	9.22	23.49
Replicate F	0.609	3.495	1.558
Replicate Prob(F)	0.6119	0.0220	0.2111
Treatment F	24.229	7.044	1.221
Treatment Prob(F)	0.0001	0.0001	0.2759

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Tolerance of Southern Rice Cultivars to Regiment

Trial ID: C03-28

Location: RRS-Crowley, LA

Investigator: Eric P. Webster

Weed Code							RICE	RICE	RICE
Rating Data Type							INJURY	AVG HEIGHT	STAND
Rating Unit							%	CM	
Rating Date							05/26/03	05/28/03	05/28/03
Trt-Eval Interval							6DALPOT	8DALPOT	8DALPOT
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg			
1	Bengal					8	40	24	
1	Regiment	80	WP	0.397	oz/a	EPOT			
1	Kinetic		L	2.4	fl oz/a	EPOT			
2	Bengal					9	41	28	
2	Regiment	80	WP	0.79	oz/a	EPOT			
2	Kinetic		L	2.4	fl oz/a	EPOT			
3	Bengal					6	34	28	
3	Regiment	80	WP	0.397	oz/a	LPOT			
3	Kinetic		L	2.4	fl oz/a	LPOT			
4	Bengal					6	31	27	
4	Regiment	80	WP	0.79	oz/a	LPOT			
4	Kinetic		L	2.4	fl oz/a	LPOT			
5	Earl					4	36	32	
5	Regiment	80	WP	0.397	oz/a	EPOT			
5	Kinetic		L	2.4	fl oz/a	EPOT			
6	Earl					11	38	29	
6	Regiment	80	WP	0.79	oz/a	EPOT			
6	Kinetic		L	2.4	fl oz/a	EPOT			
7	Earl					9	34	26	
7	Regiment	80	WP	0.397	oz/a	LPOT			
7	Kinetic		L	2.4	fl oz/a	LPOT			
8	Earl					8	32	24	
8	Regiment	80	WP	0.79	oz/a	LPOT			
8	Kinetic		L	2.4	fl oz/a	LPOT			
9	Cypress					4	32	37	
9	Regiment	80	WP	0.397	oz/a	EPOT			
9	Kinetic		L	2.4	fl oz/a	EPOT			
10	Cypress					5	32	39	
10	Regiment	80	WP	0.79	oz/a	EPOT			
10	Kinetic		L	2.4	fl oz/a	EPOT			
11	Cypress					5	34	35	
11	Regiment	80	WP	0.397	oz/a	LPOT			
11	Kinetic		L	2.4	fl oz/a	LPOT			

12	Cypress						9	31	38
12	Regiment	80	WP	0.79	oz/a	LPOT			
12	Kinetic		L	2.4	fl oz/a	LPOT			
13	Cocodrie						3	33	32
13	Regiment	80	WP	0.397	oz/a	EPOT			
13	Kinetic		L	2.4	fl oz/a	EPOT			
14	Cocodrie						3	32	35
14	Regiment	80	WP	0.79	oz/a	EPOT			
14	Kinetic		L	2.4	fl oz/a	EPOT			
15	Cocodrie						4	33	43
15	Regiment	80	WP	0.397	oz/a	LPOT			
15	Kinetic		L	2.4	fl oz/a	LPOT			
16	Cocodrie						8	34	33
16	Regiment	80	WP	0.79	oz/a	LPOT			
16	Kinetic		L	2.4	fl oz/a	LPOT			
17	Wells						4	39	30
17	Regiment	80	WP	0.397	oz/a	EPOT			
17	Kinetic		L	2.4	fl oz/a	EPOT			
18	Wells						4	38	29
18	Regiment	80	WP	0.79	oz/a	EPOT			
18	Kinetic		L	2.4	fl oz/a	EPOT			
19	Wells						6	36	27
19	Regiment	80	WP	0.397	oz/a	LPOT			
19	Kinetic		L	2.4	fl oz/a	LPOT			
20	Wells						8	37	27
20	Regiment	80	WP	0.79	oz/a	LPOT			
20	Kinetic		L	2.4	fl oz/a	LPOT			
21	CL 3291						0	40	28
21	Regiment	80	WP	0.397	oz/a	EPOT			
21	Kinetic		L	2.4	fl oz/a	EPOT			
22	CL 3291						3	37	25
22	Regiment	80	WP	0.79	oz/a	EPOT			
22	Kinetic		L	2.4	fl oz/a	EPOT			
23	CL 3291						3	39	33
23	Regiment	80	WP	0.397	oz/a	LPOT			
23	Kinetic		L	2.4	fl oz/a	LPOT			
24	CL 3291						5	38	33
24	Regiment	80	WP	0.79	oz/a	LPOT			
24	Kinetic		L	2.4	fl oz/a	LPOT			
25	CFX-18						1	35	33
25	Regiment	80	WP	0.397	oz/a	EPOT			
25	Kinetic		L	2.4	fl oz/a	EPOT			
26	CFX-18						5	36	42
26	Regiment	80	WP	0.79	oz/a	EPOT			
26	Kinetic		L	2.4	fl oz/a	EPOT			

27	CFX-18					5	35	35
27	Regiment	80	WP	0.397	oz/a	LPOT		
27	Kinetic		L	2.4	fl oz/a	LPOT		
28	CFX-18					4	37	38
28	Regiment	80	WP	0.79	oz/a	LPOT		
28	Kinetic		L	2.4	fl oz/a	LPOT		
29	Nontreated Bengal					0	42	34
30	Nontreated Earl					0	39	32
31	Nontreated Cypress					0	36	32
32	Nontreated Cocodrie					0	33	35
33	Nontreated Wells					0	41	35
34	Nontreated CL 3291					0	41	30
35	Nontreated CFX-18					0	37	32

LSD (P=.05)	5.0	4.3	10.6
Standard Deviation	3.6	3.0	7.6
CV	86.02	8.44	23.84
Replicate F	4.387	3.482	3.717
Replicate Prob(F)	0.0060	0.0186	0.0141
Treatment F	3.091	4.304	1.617
Treatment Prob(F)	0.0001	0.0001	0.0361

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Trial ID: C03-28

Location: RRS-Crowley, LA

Investigator: Eric P. Webster

Weed Code	RICE	RICE	RICE	RICE
Rating Data Type	INJURY	INJURY	AVG HEIGHT	MOISTURE
Rating Unit	%	%	CM	%
Rating Date	06/13/03	06/23/03	08/18/03	08/18/03
Trt-Eval Interval	24DALPOT	34DALPOT	90DALPOT	90DALPOT

Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg				
1	Bengal					3	0	102	26	
1	Regiment	80	WP	0.397	oz/a	EPOT				
1	Kinetic		L	2.4	fl oz/a	EPOT				
2	Bengal					4	3	96	25	
2	Regiment	80	WP	0.79	oz/a	EPOT				
2	Kinetic		L	2.4	fl oz/a	EPOT				
3	Bengal					4	1	96	27	
3	Regiment	80	WP	0.397	oz/a	LPOT				
3	Kinetic		L	2.4	fl oz/a	LPOT				
4	Bengal					5	0	93	29	
4	Regiment	80	WP	0.79	oz/a	LPOT				
4	Kinetic		L	2.4	fl oz/a	LPOT				
5	Earl					0	0	111	27	
5	Regiment	80	WP	0.397	oz/a	EPOT				
5	Kinetic		L	2.4	fl oz/a	EPOT				
6	Earl					3	1	107	27	
6	Regiment	80	WP	0.79	oz/a	EPOT				
6	Kinetic		L	2.4	fl oz/a	EPOT				
7	Earl					3	0	105	27	
7	Regiment	80	WP	0.397	oz/a	LPOT				
7	Kinetic		L	2.4	fl oz/a	LPOT				
8	Earl					4	1	106	28	
8	Regiment	80	WP	0.79	oz/a	LPOT				
8	Kinetic		L	2.4	fl oz/a	LPOT				
9	Cypress					1	0	100	23	
9	Regiment	80	WP	0.397	oz/a	EPOT				
9	Kinetic		L	2.4	fl oz/a	EPOT				
10	Cypress					5	1	100	24	
10	Regiment	80	WP	0.79	oz/a	EPOT				
10	Kinetic		L	2.4	fl oz/a	EPOT				
11	Cypress					1	0	98	22	
11	Regiment	80	WP	0.397	oz/a	LPOT				
11	Kinetic		L	2.4	fl oz/a	LPOT				

12	Cypress							0	0	93	20
12	Regiment	80	WP	0.79	oz/a	LPOT					
12	Kinetic		L	2.4	fl oz/a	LPOT					
13	Cocodrie							0	1	97	22
13	Regiment	80	WP	0.397	oz/a	EPOT					
13	Kinetic		L	2.4	fl oz/a	EPOT					
14	Cocodrie							5	0	99	23
14	Regiment	80	WP	0.79	oz/a	EPOT					
14	Kinetic		L	2.4	fl oz/a	EPOT					
15	Cocodrie							0	0	95	21
15	Regiment	80	WP	0.397	oz/a	LPOT					
15	Kinetic		L	2.4	fl oz/a	LPOT					
16	Cocodrie							0	1	93	22
16	Regiment	80	WP	0.79	oz/a	LPOT					
16	Kinetic		L	2.4	fl oz/a	LPOT					
17	Wells							0	0	109	24
17	Regiment	80	WP	0.397	oz/a	EPOT					
17	Kinetic		L	2.4	fl oz/a	EPOT					
18	Wells							3	0	106	25
18	Regiment	80	WP	0.79	oz/a	EPOT					
18	Kinetic		L	2.4	fl oz/a	EPOT					
19	Wells							1	1	107	25
19	Regiment	80	WP	0.397	oz/a	LPOT					
19	Kinetic		L	2.4	fl oz/a	LPOT					
20	Wells							3	1	107	26
20	Regiment	80	WP	0.79	oz/a	LPOT					
20	Kinetic		L	2.4	fl oz/a	LPOT					
21	CL 3291							0	0	121	24
21	Regiment	80	WP	0.397	oz/a	EPOT					
21	Kinetic		L	2.4	fl oz/a	EPOT					
22	CL 3291							1	0	119	22
22	Regiment	80	WP	0.79	oz/a	EPOT					
22	Kinetic		L	2.4	fl oz/a	EPOT					
23	CL 3291							0	0	119	22
23	Regiment	80	WP	0.397	oz/a	LPOT					
23	Kinetic		L	2.4	fl oz/a	LPOT					
24	CL 3291							0	0	119	24
24	Regiment	80	WP	0.79	oz/a	LPOT					
24	Kinetic		L	2.4	fl oz/a	LPOT					
25	CFX-18							0	0	104	24
25	Regiment	80	WP	0.397	oz/a	EPOT					
25	Kinetic		L	2.4	fl oz/a	EPOT					
26	CFX-18							0	1	103	24
26	Regiment	80	WP	0.79	oz/a	EPOT					
26	Kinetic		L	2.4	fl oz/a	EPOT					

27	CFX-18					1	1	102	24
27	Regiment	80	WP	0.397	oz/a	LPOT			
27	Kinetic		L	2.4	fl oz/a	LPOT			
28	CFX-18					0	0	104	23
28	Regiment	80	WP	0.79	oz/a	LPOT			
28	Kinetic		L	2.4	fl oz/a	LPOT			
29	Nontreated Bengal					0	0	99	31
30	Nontreated Earl					0	0	113	27
31	Nontreated Cypress					0	0	101	24
32	Nontreated Cocodrie					0	0	98	24
33	Nontreated Wells					0	0	110	26
34	Nontreated CL 3291					0	0	119	23
35	Nontreated CFX-18					0	0	104	22

LSD (P=.05)	3.0	1.9	5.9	3.4
Standard Deviation	2.2	1.4	4.2	2.5
CV	168.35	315.75	4.06	10.04
Replicate F	3.354	4.681	24.007	4.637
Replicate Prob(F)	0.0219	0.0042	0.0001	0.0045
Treatment F	2.471	0.992	14.412	3.661
Treatment Prob(F)	0.0003	0.4922	0.0001	0.0001

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Trial ID: C03-28

Location: RRS-Crowley, LA

Investigator: Eric P. Webster

Weed Code	RICE
Rating Data Type	YIELD
Rating Unit	LBS/A
Rating Date	08/18/03
Trt-Eval Interval	90DALPOT

Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	
1	Bengal						7155
1	Regiment	80	WP	0.397	oz/a	EPOT	
1	Kinetic		L	2.4	fl oz/a	EPOT	
2	Bengal						6605
2	Regiment	80	WP	0.79	oz/a	EPOT	
2	Kinetic		L	2.4	fl oz/a	EPOT	
3	Bengal						5853
3	Regiment	80	WP	0.397	oz/a	LPOT	
3	Kinetic		L	2.4	fl oz/a	LPOT	
4	Bengal						6174
4	Regiment	80	WP	0.79	oz/a	LPOT	
4	Kinetic		L	2.4	fl oz/a	LPOT	
5	Earl						7317
5	Regiment	80	WP	0.397	oz/a	EPOT	
5	Kinetic		L	2.4	fl oz/a	EPOT	
6	Earl						7559
6	Regiment	80	WP	0.79	oz/a	EPOT	
6	Kinetic		L	2.4	fl oz/a	EPOT	
7	Earl						7424
7	Regiment	80	WP	0.397	oz/a	LPOT	
7	Kinetic		L	2.4	fl oz/a	LPOT	
8	Earl						7069
8	Regiment	80	WP	0.79	oz/a	LPOT	
8	Kinetic		L	2.4	fl oz/a	LPOT	
9	Cypress						6228
9	Regiment	80	WP	0.397	oz/a	EPOT	
9	Kinetic		L	2.4	fl oz/a	EPOT	
10	Cypress						6101
10	Regiment	80	WP	0.79	oz/a	EPOT	
10	Kinetic		L	2.4	fl oz/a	EPOT	
11	Cypress						5222
11	Regiment	80	WP	0.397	oz/a	LPOT	
11	Kinetic		L	2.4	fl oz/a	LPOT	

12	Cypress								4698
12	Regiment	80	WP	0.79	oz/a	LPOT			
12	Kinetic		L	2.4	fl oz/a	LPOT			
13	Cocodrie								7182
13	Regiment	80	WP	0.397	oz/a	EPOT			
13	Kinetic		L	2.4	fl oz/a	EPOT			
14	Cocodrie								7141
14	Regiment	80	WP	0.79	oz/a	EPOT			
14	Kinetic		L	2.4	fl oz/a	EPOT			
15	Cocodrie								6478
15	Regiment	80	WP	0.397	oz/a	LPOT			
15	Kinetic		L	2.4	fl oz/a	LPOT			
16	Cocodrie								6256
16	Regiment	80	WP	0.79	oz/a	LPOT			
16	Kinetic		L	2.4	fl oz/a	LPOT			
17	Wells								7175
17	Regiment	80	WP	0.397	oz/a	EPOT			
17	Kinetic		L	2.4	fl oz/a	EPOT			
18	Wells								7127
18	Regiment	80	WP	0.79	oz/a	EPOT			
18	Kinetic		L	2.4	fl oz/a	EPOT			
19	Wells								6612
19	Regiment	80	WP	0.397	oz/a	LPOT			
19	Kinetic		L	2.4	fl oz/a	LPOT			
20	Wells								7071
20	Regiment	80	WP	0.79	oz/a	LPOT			
20	Kinetic		L	2.4	fl oz/a	LPOT			
21	CL 3291								6128
21	Regiment	80	WP	0.397	oz/a	EPOT			
21	Kinetic		L	2.4	fl oz/a	EPOT			
22	CL 3291								6828
22	Regiment	80	WP	0.79	oz/a	EPOT			
22	Kinetic		L	2.4	fl oz/a	EPOT			
23	CL 3291								6326
23	Regiment	80	WP	0.397	oz/a	LPOT			
23	Kinetic		L	2.4	fl oz/a	LPOT			
24	CL 3291								6461
24	Regiment	80	WP	0.79	oz/a	LPOT			
24	Kinetic		L	2.4	fl oz/a	LPOT			
25	CFX-18								5533
25	Regiment	80	WP	0.397	oz/a	EPOT			
25	Kinetic		L	2.4	fl oz/a	EPOT			
26	CFX-18								6786
26	Regiment	80	WP	0.79	oz/a	EPOT			
26	Kinetic		L	2.4	fl oz/a	EPOT			

27	CFX-18					6463
27	Regiment	80	WP	0.397	oz/a	LPOT
27	Kinetic		L	2.4	fl oz/a	LPOT
28	CFX-18					6336
28	Regiment	80	WP	0.79	oz/a	LPOT
28	Kinetic		L	2.4	fl oz/a	LPOT
29	Nontreated Bengal					5471
30	Nontreated Earl					7191
31	Nontreated Cypress					5922
32	Nontreated Cocodrie					6464
33	Nontreated Wells					6304
34	Nontreated CL 3291					6307
35	Nontreated CFX-18					6710

LSD (P=.05)	1049.8
Standard Deviation	749.8
CV	11.53
Replicate F	1.896
Replicate Prob(F)	0.1350
Treatment F	3.030
Treatment Prob(F)	0.0001