

The Effect of ACCase Tank Contamination on Corn

Trial ID: 11 UNL HAL ACCase Corn 2011 Protocol ID:
Location: Concord, NE
Project ID: Investigator: Stevan Knezevic

General Trial Information

Investigator: Stevan Knezevic

Trial Location

City: Concord
State/Prov.: NE
Postal Code: 68728
Country: USA

Personnel

Investigator: Stevan Knezevic

Crop Description

Crop 1: ZEAMD Zea mays indentata Dent corn
Description: RR
Planting Date: 05-10-2011
Rate, Unit: 24000 s/a
BBCH Scale: BCOR
Planting Method: SEEDED seeded
Depth, Unit: 2 in
Row Spacing, Unit: 30 in
Harvest Date: 10-20-2011
Harvested Width, Unit: 5 ft.
Harvested Length, Unit: 13.62 ft
% Standard Moisture: 15.5
Moisture Meter: Dickey-John GAC
Weighing Equipment: Ohaus 50kg

Site and Design

Plot Width, Unit: 10 FT Site Type: FIELD field
Plot Length, Unit: 30 FT
Plot Area, Unit: 300 FT2 Tillage Type: NOTILL no-till
Replications: 4 Study Design: RACOB L Randomized Complete Block (RCB)

	Previous Crops	Previous Pesticides	Year
1.	Soybean	glyphosate	2009

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Unit	Form Type	Description	Rate	Rate Unit	Tank Mix
1.	05-18-2011	G-Max Lite	5.0	lb/gal	L		3	pt/A	yes
2.	05-18-2011	Roundup WeatherMAX	5.5	lb/gal	SL	burndown	32	oz/A	yes
3.	05-18-2011	AMS	21.5	%	SG		2.5	lb/A	yes

Soil Description

% Sand: 14 % OM: 3.7 Texture: SICL silty clay loam
% Silt: 57 pH: 7.0
% Clay: 29 CEC: 28.8 Fert. Level: G good
Analyzed By:
Midwest Labs

Application Description

	A	B
Application Date:	06-11-2011	07-02-2011
Time of Day:	5:00 pm	5:00 pm
Application Method:	spray	spray
Application Timing:	POST	POST
Application Placement:	foliar	foliar
Applied By:	js	js
Air Temperature, Unit:	78 F	82 F
% Relative Humidity:	45	45
Wind Velocity, Unit:	2 mph	2 mph
Wind Direction:	NE	E
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	72 F	80 F
Soil Moisture:	adequate	adequate
% Cloud Cover:	10	90

Crop Stage At Each Application

	A		B	
Crop 1 Code, BBCH Scale:	ZEAMD BCOR		ZEAMD BCOR	
Stage Scale Used:	BBCH		BBCH	
Stage Majority, Percent:	V4	90	V7	50
Stage Minimum, Percent:	V3	10	V8	25
Stage Maximum, Percent:			V6	25
Height, Unit:	6	in	19	in
Height Minimum, Maximum:	4	8	16	22

Application Equipment

	A	B
Appl. Equipment:	Backpack	Backpack
Operating Pressure, Unit:	15 PSI	15 PSI
Nozzle Type:	Turbo Tee	Turbo Tee
Nozzle Size:	11003	11003
Nozzle Spacing, Unit:	20 in	20 in
Boom Length, Unit:	10 ft	10 ft
Boom Height, Unit:	15 in	15 in
Ground Speed, Unit:	2.7 mph	2.7 mph
Carrier:	WATER	WATER
Spray Volume, Unit:	18 gal/ac	18 gal/ac
Mix Size, Unit:	1.9 liters	1.9 liters
Propellant:	COMCO2	COMCO2

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Description							Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field
Rating Date							06-18-2011	06-26-2011	07-09-2011	07-16-2011	07-30-2011	06-29-2011
Rating Type							Injury	Injury	Injury	Injury	Injury	PlantHeight
Rating Unit							Percent	Percent	Percent	Percent	Percent	Inches
Days After First/Last Applic.							7 7	15 15	28 7	35 14	49 28	18 18
Trt-Eval Interval							7 DA-A	15 DA-A	28 DA-A	14 DA-B	28 DA-B	18 DA-A
Plant-Eval Interval							39 DP-1	47 DP-1	60 DP-1	67 DP-1	81 DP-1	50 DP-1
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Growth Stage	Appl Code					
1	Roundup PowerMax Ammonium Sulfate	4.5 LBAE/GAL	L	SG	22 oz/a 17 lb/100 gal	MIPOCR A	A	0.0 d	0.0 d	0.0 f		16.95 a
2	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL .97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 0.0156 oz/a	MIPOCR A	A	0.0 d	0.0 d	0.0 f		16.40 a
3	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL 100 % 0.97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 0.0315 oz/a	MIPOCR A	A	0.0 d	0.0 d	0.0 f		15.93 a
4	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL 100 % 0.97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 0.0625 oz/a	MIPOCR A	A	0.0 d	0.0 d	0.0 f		16.80 a
5	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL 100 % 0.97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 0.125 oz/a	MIPOCR A	A	0.0 d	0.0 d	0.0 f		15.75 a
6	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL 100 % 0.97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 0.25 oz/a	MIPOCR A	A	0.0 d	0.0 d	0.0 f		15.45 a
7	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL 100 % 0.97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 1 oz/a	MIPOCR A	A	45.0 c	35.0 c	13.8 e		14.73 a
8	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL 100 % 0.97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 2 oz/a	MIPOCR A	A	72.5 b	87.5 b	90.0 b		4.40 b
9	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL 100 % 0.97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 6 oz/a	MIPOCR A	A	93.8 a	99.0 a	100.0 a		0.00 c
10	Roundup PowerMax Ammonium Sulfate	4.5 LBAE/GAL 100 %	L	SG	22 oz/a 17 lb/100 gal	LAPOCR B	B			0.0 f	0.0 d	0.0 d
11	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL 100 % 0.97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 0.0156 oz/a	LAPOCR B	B			0.0 f	0.0 d	0.0 d
12	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL 100 % 0.97 LBA/GAL	L	SG EC	22 oz/a 17 lb/100 gal 0.0315 oz/a	LAPOCR B	B			0.0 f	0.0 d	0.0 d

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Description	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field
Rating Date	06-18-2011	06-26-2011	07-09-2011	07-16-2011	07-30-2011	06-29-2011
Rating Type	Injury	Injury	Injury	Injury	Injury	PlantHeight
Rating Unit	Percent	Percent	Percent	Percent	Percent	Inches
Days After First/Last Applic.	7 7	15 15	28 7	35 14	49 28	18 18
Trt-Eval Interval	7 DA-A	15 DA-A	28 DA-A	14 DA-B	28 DA-B	18 DA-A
Plant-Eval Interval	39 DP-1	47 DP-1	60 DP-1	67 DP-1	81 DP-1	50 DP-1
Trt Treatment No. Name	Form Conc	Form Unit	Form Type	Rate Rate	Growth Stage	Appl Code
13 Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a 17 lb/100 gal	LAPOCR B LAPOCR B	
	100 %			0.0625 oz/a	LAPOCR B	
	0.97 LBA/GAL	EC				
14 Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a 17 lb/100 gal	LAPOCR B LAPOCR B	
	100 %			0.125 oz/a	LAPOCR B	
	0.97 LBA/GAL	EC				
15 Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a 17 lb/100 gal	LAPOCR B LAPOCR B	
	100 %			0.25 oz/a	LAPOCR B	
	0.97 LBA/GAL	EC				
16 Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a 17 lb/100 gal	LAPOCR B LAPOCR B	
	100 %			1 oz/a	LAPOCR B	
	0.97 LBA/GAL	EC				
17 Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a 17 lb/100 gal	LAPOCR B LAPOCR B	
	100 %			2 oz/a	LAPOCR B	
	0.97 LBA/GAL	EC				
18 Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a 17 lb/100 gal	LAPOCR B LAPOCR B	
	100 %			6 oz/a	LAPOCR B	
	0.97 LBA/GAL	EC				
LSD (P=.05)	3.48	3.14	5.64	3.58	1.86	2.486
Standard Deviation	2.38	2.15	3.99	2.45	1.27	1.703
CV	10.15	8.74	21.45	18.79	11.46	13.17
Grand Mean	23.47	24.61	18.61	13.06	11.11	12.93
Replicate F	0.449	1.000	1.569	1.692	2.286	0.520
Replicate Prob(F)	0.7203	0.4098	0.2082	0.1953	0.1044	0.6724
Treatment F	979.653	1428.936	292.333	458.769	1551.000	53.355
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Description							Corn, field	Corn, field	Corn, field	Corn, field	Corn, field		
Rating Date							07-11-2011	07-26-2011	10-20-2011	10-20-2011	10-20-2011		
Rating Type							PlantHeight	PlantHeight	Moisture	Test Weight	Yield@15.5%		
Rating Unit							Inches	Inches	%	lb/bu	bu/A		
Days After First/Last Applic.							30 9	45 24	131 110	131 110	131 110		
Trt-Eval Interval							30 DA-A	24 DA-B					
Plant-Eval Interval							62 DP-1	77 DP-1	163 DP-1	163 DP-1	163 DP-1		
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Growth Stage	Appl Code					
1	Roundup PowerMax Ammonium Sulfate	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	MIPOCR A	MIPOCR A	40.20 a		13.35 a	61.03 a	158.1650000 a
2	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	MIPOCR A	MIPOCR A	38.58 a		13.58 a	60.43 ab	163.1225000 a
		.97 LBA/GAL	EC		0.0156 oz/a		MIPOCR A						
3	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	MIPOCR A	MIPOCR A	39.58 a		13.65 a	60.60 ab	164.1175000 a
		0.97 LBA/GAL	EC		0.0315 oz/a		MIPOCR A						
4	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	MIPOCR A	MIPOCR A	39.03 a		13.45 a	60.50 ab	167.7150000 a
		0.97 LBA/GAL	EC		0.0625 oz/a		MIPOCR A						
5	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	MIPOCR A	MIPOCR A	39.53 a		13.55 a	60.03 ab	161.7675000 a
		0.97 LBA/GAL	EC		0.125 oz/a		MIPOCR A						
6	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	MIPOCR A	MIPOCR A	37.68 a		13.65 a	59.53 b	159.5000000 a
		0.97 LBA/GAL	EC		0.25 oz/a		MIPOCR A						
7	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	MIPOCR A	MIPOCR A	34.90 a		13.58 a	59.85 ab	150.0725000 a
		0.97 LBA/GAL	EC		1 oz/a		MIPOCR A						
8	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	MIPOCR A	MIPOCR A	11.30 c		13.27 a	58.07 c	9.2700000 c
		0.97 LBA/GAL	EC		2 oz/a		MIPOCR A						
9	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	MIPOCR A	MIPOCR A	0.00 d				0.0000000 c
		0.97 LBA/GAL	EC		6 oz/a		MIPOCR A						
10	Roundup PowerMax Ammonium Sulfate	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	LAPOCR B	LAPOCR B	38.20 a	78.73 a	13.53 a	60.48 ab	165.0600000 a
11	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	LAPOCR B	LAPOCR B	39.25 a	80.40 a	13.35 a	60.58 ab	165.1825000 a
		0.97 LBA/GAL	EC		0.0156 oz/a		LAPOCR B						
12	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	SG	22 oz/a	17 lb/100 gal	LAPOCR B	LAPOCR B	39.38 a	76.55 a	13.43 a	60.60 ab	167.2025000 a
		0.97 LBA/GAL	EC		0.0315 oz/a		LAPOCR B						

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Description		Corn, field	Corn, field	Corn, field	Corn, field	Corn, field						
Rating Date		07-11-2011	07-26-2011	10-20-2011	10-20-2011	10-20-2011						
Rating Type		PlantHeight	PlantHeight	Moisture	Test Weight	Yield@15.5%						
Rating Unit		Inches	Inches	%	lb/bu	bu/A						
Days After First/Last Applic.		30 9	45 24	131 110	131 110	131 110						
Trt-Eval Interval		30 DA-A	24 DA-B									
Plant-Eval Interval		62 DP-1	77 DP-1	163 DP-1	163 DP-1	163 DP-1						
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Growth Stage	Appl Code					
13	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	22 oz/a	LAPOCR B	39.75 a		82.15 a	13.55 a	59.95 ab	160.460000	a
		100 %	SG	17 lb/100 gal	LAPOCR B							
		0.97 LBA/GAL	EC	0.0625 oz/a	LAPOCR B							
14	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	22 oz/a	LAPOCR B	38.13 a		79.55 a	13.45 a	60.33 ab	164.295000	a
		100 %	SG	17 lb/100 gal	LAPOCR B							
		0.97 LBA/GAL	EC	0.125 oz/a	LAPOCR B							
15	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	22 oz/a	LAPOCR B	39.45 a		80.85 a	13.50 a	59.78 ab	161.420000	a
		100 %	SG	17 lb/100 gal	LAPOCR B							
		0.97 LBA/GAL	EC	0.25 oz/a	LAPOCR B							
16	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	22 oz/a	LAPOCR B	37.80 a		81.05 a	13.55 a	60.28 ab	150.292500	a
		100 %	SG	17 lb/100 gal	LAPOCR B							
		0.97 LBA/GAL	EC	1 oz/a	LAPOCR B							
17	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	22 oz/a	LAPOCR B	25.13 b		58.33 b	13.18 a	59.35 b	47.437500	b
		100 %	SG	17 lb/100 gal	LAPOCR B							
		0.97 LBA/GAL	EC	2 oz/a	LAPOCR B							
18	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	22 oz/a	LAPOCR B	21.13 b		13.30 c			0.000000	c
		100 %	SG	17 lb/100 gal	LAPOCR B							
		0.97 LBA/GAL	EC	6 oz/a	LAPOCR B							
LSD (P=.05)						5.244		6.944	0.503	1.159	14.98503000	
Standard Deviation						3.708		4.758	0.352	0.811	10.59601000	
CV						11.14		6.79	2.61	1.35	8.24	
Grand Mean						33.28		70.1	13.47	60.08	128.62	
Replicate F						1.573		1.511	1.765	1.072	1.129	
Replicate Prob(F)						0.2073		0.2370	0.1678	0.3706	0.3459	
Treatment F						38.253		89.604	0.583	2.951	145.170	
Treatment Prob(F)						0.0001		0.0001	0.8722	0.0027	0.0001	

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Description							Corn, field	Corn, field
Rating Date							10-20-2011	10-20-2011
Rating Type							Yield	Stand
Rating Unit							%ofCheck	Plants/A
Days After First/Last Applic.							131 110	131 110
Trt-Eval Interval								
Plant-Eval Interval							163 DP-1	163 DP-1
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Unit	Growth Stage	Appl Code
1	Roundup PowerMax Ammonium Sulfate	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	MIPOCR A	100.00000000 ab
2	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	MIPOCR A	103.28680000 a
3	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	MIPOCR A	103.88980000 a
4	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	MIPOCR A	105.95020000 a
5	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	MIPOCR A	102.31450000 a
6	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	MIPOCR A	100.79480000 ab
7	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	MIPOCR A	95.15044000 ab
8	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	MIPOCR A	6.02077500 d
9	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	MIPOCR A	0.00000000 d
10	Roundup PowerMax Ammonium Sulfate	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	LAPOCR B	100.00000000 ab
11	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	LAPOCR B	99.96175000 ab
12	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	100 %	L SG	22 oz/a	17 lb/100 gal	LAPOCR B	101.49150000 ab

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Description							Corn, field	Corn, field
Rating Date							10-20-2011	10-20-2011
Rating Type							Yield	Stand
Rating Unit							%ofCheck	Plants/A
Days After First/Last Applic.							131 110	131 110
Trt-Eval Interval								
Plant-Eval Interval							163 DP-1	163 DP-1
Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate Rate	Rate Unit	Growth Stage	Appl Code
13	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	L	22 oz/a	LAPOCR B	97.31199000	ab
		100 %	SG	SG	17 lb/100 gal	LAPOCR B		27496.8 a
		0.97 LBA/GAL	EC	EC	0.0625 oz/a	LAPOCR B		
14	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	L	22 oz/a	LAPOCR B	99.75113000	ab
		100 %	SG	SG	17 lb/100 gal	LAPOCR B		27337.0 a
		0.97 LBA/GAL	EC	EC	0.125 oz/a	LAPOCR B		
15	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	L	22 oz/a	LAPOCR B	97.79484000	ab
		100 %	SG	SG	17 lb/100 gal	LAPOCR B		26537.5 ab
		0.97 LBA/GAL	EC	EC	0.25 oz/a	LAPOCR B		
16	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	L	22 oz/a	LAPOCR B	91.21318000	b
		100 %	SG	SG	17 lb/100 gal	LAPOCR B		26377.5 ab
		0.97 LBA/GAL	EC	EC	1 oz/a	LAPOCR B		
17	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	L	22 oz/a	LAPOCR B	28.63268000	c
		100 %	SG	SG	17 lb/100 gal	LAPOCR B		26057.8 ab
		0.97 LBA/GAL	EC	EC	2 oz/a	LAPOCR B		
18	Roundup PowerMax Ammonium Sulfate Select MAX	4.5 LBAE/GAL	L	L	22 oz/a	LAPOCR B	0.00000000	d
		100 %	SG	SG	17 lb/100 gal	LAPOCR B		23819.8 b
		0.97 LBA/GAL	EC	EC	6 oz/a	LAPOCR B		
LSD (P=.05)							9.238191000	2681.43
Standard Deviation							6.532387000	1896.05
CV							8.2	7.99
Grand Mean							79.64	23722.11
Replicate F							1.060	1.607
Replicate Prob(F)							0.3744	0.1993
Treatment F							146.938	71.895
Treatment Prob(F)							0.0001	0.0001

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