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FIELD CORN RESPONSE TO BRAKE F16 APPLIED TO BARE-GROUND
 THE PREVIOUS YEAR
 Trial ID: CN-01-17 Study Dir.: KYLE BRISCOE
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.78211 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Amt Product to Measure	Rep			
									1	2	3	4
1	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	0.0 oz/a	PRE	A			101	203	312	407
2	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	0.0 oz/a	PRE	A			102	204	311	408
3	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	16.0 oz/a	PRE	A	12.5 ml/mx		103	201	307	405
4	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	16.0 oz/a	PRE	A	12.5 ml/mx		104	209	306	411
5	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	32.0 oz/a	PRE	A	25.0 ml/mx		105	210	303	412
6	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	32.0 oz/a	PRE	A	25.0 ml/mx		106	208	304	409
7	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	0.0 oz/a	PRE	A			107	205	310	401
8	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	0.0 oz/a	PRE	A			108	206	302	404
9	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	16.0 oz/a	PRE	A	12.5 ml/mx		109	212	301	410
10	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	16.0 oz/a	PRE	A	12.5 ml/mx		110	211	308	402
11	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	32.0 oz/a	PRE	A	25.0 ml/mx		111	207	305	403
12	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	32.0 oz/a	PRE	A	25.0 ml/mx		112	202	309	406

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

PROWL H20 @ 32 OZ/A + VALOR @ 3 OZ/A + STRONGARM @ 0.225 OZ/A - APRIL 28, 2015
 LIBERTY @ 32 OZ/A - JULY 9, 2016
 ROUNDUP WM @ 32 OZ/A + ATRAZINE @ 2 QTS/A - JULY 21, 2016
 GRAMOXONE @ 3 PT/A + DUAL MAGNUM @ 21 OZ/A - SEPTEMBER 20, 2016
 ROUNDUP PM @ 32 OZ/A + GALLIGAN @ 24 OZ/A - OCTOBER 11, 2016
 GLYSTAR PLUS @ 64 OZ/A + ATRAZINE 4L @ 32 OZ/A - MARCH 17

STRIP-TILLAGE OCCURRED ON MARCH 22, 2017

ROUNDUP P-MAX (32 OZ/A) + ATRAZINE (64 OZ/A) + DUAL MAGNUM (16 OZ/A) - POST- AFTER CORN EMERGENCE (APRIL 10. 2017)

GLYFOS XTRA (32 OZ/A) + ATRAZINE (32 OZ/A) LAYBY ON MAY 16, 2017

MONTHLY RAINFALL

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MAY (2016) = 2.59"
JUNE (2016) = 4.81"
JULY (2016)= 1.54"
AUGUST (2016) = 3.72"
SEPTEMBER (2016)= 5.83"
OCTOBER (2016) = 0.04"
NOVEMBER (2016) = 0.99"
DECEMBER (2016) = 11.59"
JANUARY (2017) = 9.07"
FEBRUARY(2017) = 2.43"
MARCH (2017) = 1.62"
APRIL (2017) = 3.12"
MAY (2017) = 3.10"

HARVEST DATE: AUGUST 21, 2017
HARVEST MOISTURE = 15.36%
YIELD ADJUSTED TO 15.5% MOISTURE.

FINAL CORN POPULATION: 27,878

SUMMARY:

- 1) FOR CORN PLANT POPULATION ON APRIL 7, 2017, THERE WAS A SIGNIFICANT INTERACTION BETWEEN TIME OF APPLICATION AND PLANTING METHOD. PLANT POPULATIONS WERE HIGHEST WHEN CORN WAS STRIP-TILLED INTO THE MAY 2016 APPLICATION DATE.
- 2) FOR BRAKE INJURED PLANTS ON APRIL 17, 2017, ONLY TIME OF APPLICATION OR BRAKE RATE HAD A SIGNIFICANT EFFECT. MORE PLANTS EXHIBITED BRAKE INJURY SYMPTOMS IN THE APRIL PLANTING DATE. THERE WAS ALSO RATE RESPONSE WITH THE 32 OZ/A CAUSING MORE INJURY THAN THE 16 OZ/A RATE.
- 3) FOR CORN PLANT HEIGHT AND PLANT BIOMASS ON APRIL 17, 2017, ONLY PLANTING METHOD HAD AN EFFECT. CORN PLANTS WERE SHORTER AND LIGHTER IN STRIP-TILL.
- 4) FOR BRAKE INJURED PLANTS ON APRIL 27, 2017, THERE WAS A 3-WAY INTERACTION BETWEEN TIME OF APPLICATION, RATE, AND PLANTING METHOD. HIGHEST NUMBER OF BRAKE INJURED PLANTS WAS IN THE NO-TILL/APRIL TREATMENT.
- 5) FOR PLANT HEIGHTS ON MAY 19, 2017, BRAKE HAD NO NEGATIVE EFFECT.
- 6) FOR FIELD CORN YIELD, THERE WAS A 3 WAY INTERACTION BETWEEN TIME OF APPLICATION (APRIL OR MAY), BRAKE RATE (0, 16, 32 OZ/A), AND CORN PLANTING METHOD (NO-TILL OR STRIP-TILL). ***WHEN COMPARING YIELDS WITHIN THE SAME APPLICATION DATE AND PLANTING METHOD, BRAKE APPLIED IN 2016 HAD NO NEGATIVE EFFECTS ON CORN YIELD IN 2017.***

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: _____	_____	_____	_____	_____	_____	_____
	Stage Scale: _____	_____	_____	_____	_____	_____	_____
	Density, Unit: _____	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK SAME AS A	_____	_____	_____	_____	_____	_____
Operating Pressure:	38	_____	_____	_____	_____	_____	_____
Nozzle Type:	AIXR	_____	_____	_____	_____	_____	_____
Nozzle Size:	11002	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN	_____	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	IN	_____	_____	_____	_____	_____
Boom Height, Unit:	20	IN	_____	_____	_____	_____	_____
Ground Speed, Unit:	3.5	MPH	_____	_____	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	WATER	_____	_____	_____	_____	_____	_____
Spray Volume, Unit:	15	GPA	_____	_____	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	CO2	_____	_____	_____	_____	_____	_____
Tank Mix (Y/N):	_____	_____	_____	_____	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

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FIELD CORN RESPONSE TO BRAKE F16 APPLIED TO BARE-GROUND THE PREVIOUS YEAR						
Trial ID:	CN-01-17	Study Dir.:	KYLE BRISCOE			
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
Weed Code						
Crop Code			-----	-----	-----	
Part Rated			ZEAMA	ZEAMA	ZEAMA	
Rating Data Type			PLANT -	BRAKE -	PLANT -	
Rating Unit			POPULAT	INJURY	HGT-1	
Rating Date			#/10 FT	PLTS/PLT	INCHES	
			Apr-7-17	Apr-17-17	Apr-17-17	
PRM Data Type						
# Subsamples, Dec.			- 1	- 1	- 1	
Trt Treatment	Form Form	Rate Grow				
No. Name	Conc Type	Rate Unit Stg Code				
			1	2	3	
TABLE OF R MEANS						
Replicate 1						
			19.9	2.0	5.1	
Replicate 2						
			19.8	5.1	4.1	
Replicate 3						
			19.5	5.0	5.0	
Replicate 4						
			20.1	3.1	5.5	
TABLE OF A (TIME OF APPLICATION) MEANS						
1 APRIL 2016						
			19.8 a	4.5 a	4.8 a	
2 MAY 2016						
			19.8 a	3.1 b	5.1 a	
LSD P=.10						
Standard Deviation			0.37	0.70	0.84	
CV			0.55	1.03	1.23	
			2.76	27.10	24.91	
TABLE OF B (BRAKE RATE) MEANS						
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A						
			20.0 a	0.1 b	5.0 a	
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A						
			19.9 a	1.5 b	5.0 a	
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A						
			19.6 a	9.8 a	4.8 b	
LSD P=.10						
Standard Deviation			0.64	2.70	0.20	
CV			0.93	3.93	0.29	
			4.70	103.65	5.83	
TABLE OF C (CORN PLANTING METHOD) MEANS						
1 CORN - NO - TILL						
			19.3 b	5.5 a	4.8 a	
2 CORN - STRIP-TILL						
			20.4 a	2.0 a	5.1 a	
LSD P=.10						
Standard Deviation			0.94	4.31	0.48	
CV			1.38	6.35	0.71	
			6.98	167.38	14.37	
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) MEANS						
1 APRIL 2016						
			20.1 a	0.3 a	4.8 a	
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A						
2 MAY 2016						
			19.9 a	0.0 a	5.3 a	
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A						
1 APRIL 2016						
			19.8 a	2.5 a	5.1 a	
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A						
2 MAY 2016						
			20.0 a	0.5 a	5.0 a	
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A						
1 APRIL 2016						
			19.5 a	10.6 a	4.5 a	
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A						
2 MAY 2016						
			19.6 a	8.9 a	5.1 a	
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A						
LSD P=.10						
Standard Deviation			1.79	1.07	0.65	
CV			1.84	1.11	0.67	
			9.28	29.16	13.58	
TABLE OF A (TIME OF APPLICATION) C (CORN PLANTING METHOD) MEANS						
1 APRIL 2016						
			19.8 b	6.5 a	4.5 a	
1 CORN - NO - TILL						
2 MAY 2016						
			18.8 c	4.6 a	5.0 a	
1 CORN - NO - TILL						
1 APRIL 2016						
			19.8 b	2.4 a	5.1 a	
2 CORN - STRIP-TILL						
2 MAY 2016						
			20.9 a	1.7 a	5.2 a	
2 CORN - STRIP-TILL						
LSD P=.10						
			0.69	1.51	0.77	

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date	----- ZEAMA PLANT - POPULAT #/10 FT Apr-7-17	----- ZEAMA BRAKE - INJURY PLTS/PLT Apr-17-17	----- ZEAMA PLANT - HGT-1 INCHES Apr-17-17
PRM Data Type # Subsamples, Dec.	- 1	- 1	- 1
Trt Treatment No. Name	Form Form Conc Type Rate Unit Stg Code		
Standard Deviation CV	1 0.72 3.64	2 1.57 41.47	3 0.80 16.22
TABLE OF B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS			
1 BRAKE F16 1 CORN - NO - TILL	2.7 SL 0.0 oz/a PRE A	19.6 a	0.3 a 5.1 a
2 BRAKE F16 1 CORN - NO - TILL	2.7 SL 16.0 oz/a PRE A	19.3 a	1.6 a 4.8 a
3 BRAKE F16 1 CORN - NO - TILL	2.7 SL 32.0 oz/a PRE A	18.9 a	14.8 a 4.4 a
1 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 0.0 oz/a PRE A	20.4 a	0.0 a 4.9 a
2 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 16.0 oz/a PRE A	20.5 a	1.4 a 5.3 a
3 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 32.0 oz/a PRE A	20.3 a	4.8 a 5.2 a
LSD P=.10 Standard Deviation CV	0.97 1.00 5.03	7.60 7.82 206.17	0.56 0.58 11.67
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS			
1 APRIL 2016 1 BRAKE F16 1 CORN - NO - TILL	2.7 SL 0.0 oz/a PRE A	20.0 a	0.5 a 4.9 a
2 MAY 2016 1 BRAKE F16 1 CORN - NO - TILL	2.7 SL 0.0 oz/a PRE A	19.3 a	0.0 a 5.4 a
1 APRIL 2016 2 BRAKE F16 1 CORN - NO - TILL	2.7 SL 16.0 oz/a PRE A	19.5 a	2.5 a 4.8 a
2 MAY 2016 2 BRAKE F16 1 CORN - NO - TILL	2.7 SL 16.0 oz/a PRE A	19.0 a	0.8 a 4.8 a
1 APRIL 2016 3 BRAKE F16 1 CORN - NO - TILL	2.7 SL 32.0 oz/a PRE A	19.8 a	16.5 a 3.8 a
2 MAY 2016 3 BRAKE F16 1 CORN - NO - TILL	2.7 SL 32.0 oz/a PRE A	18.0 a	13.0 a 5.0 a
1 APRIL 2016 1 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 0.0 oz/a PRE A	20.3 a	0.0 a 4.6 a
2 MAY 2016 1 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 0.0 oz/a PRE A	20.5 a	0.0 a 5.3 a
1 APRIL 2016 2 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 16.0 oz/a PRE A	20.0 a	2.5 a 5.4 a
2 MAY 2016 2 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 16.0 oz/a PRE A	21.0 a	0.3 a 5.3 a
1 APRIL 2016 3 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 32.0 oz/a PRE A	19.3 a	4.8 a 5.3 a
2 MAY 2016 3 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 32.0 oz/a PRE A	21.3 a	4.8 a 5.1 a
LSD P=.10	2.09	4.08	1.48

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code								
Crop Code								
Part Rated								
Rating Data Type								
Rating Unit								
Rating Date								
PRM Data Type								
# Subsamples, Dec.								
Trt Treatment	Form Form	Rate	Grow	Appl				
No. Name	Conc Type	Rate Unit	Stg	Code				
Standard Deviation								
CV								

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code	-----			
Crop Code	ZEAMA	ZEAMA	ZEAMA	ZEAMA
Part Rated	PLANT -	PLANT -	PLANT -	PLANT -
Rating Data Type	HGT-2	HGT-3	HGT-4	HGT-5
Rating Unit	INCHES	INCHES	INCHES	INCHES
Rating Date	Apr-17-17	Apr-17-17	Apr-17-17	Apr-17-17
PRM Data Type				
# Subsamples, Dec.	- 1	- 1	- 1	- 1
Trt Treatment	Form	Form	Rate	Grow
No. Name	Conc	Type	Unit	Stg
	Rate	Unit	Code	
	4	5	6	7
TABLE OF R MEANS				
Replicate 1	4.8	4.9	4.8	4.8
Replicate 2	4.3	4.6	4.2	4.6
Replicate 3	5.0	4.9	4.8	4.7
Replicate 4	4.9	5.0	4.7	5.2
TABLE OF A (TIME OF APPLICATION) MEANS				
1 APRIL 2016	4.8 a	4.9 a	4.7 a	4.8 a
2 MAY 2016	4.7 a	4.8 a	4.6 a	4.8 a
LSD P=.10	0.72	0.26	0.34	0.58
Standard Deviation	1.06	0.38	0.51	0.85
CV	22.26	7.90	10.90	17.76
TABLE OF B (BRAKE RATE) MEANS				
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE A	4.8 a
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE A	4.7 a
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE A	4.8 a
LSD P=.10	0.63	0.56	0.35	0.71
Standard Deviation	0.92	0.81	0.52	1.03
CV	19.36	16.74	11.12	21.39
TABLE OF C (CORN PLANTING METHOD) MEANS				
1 CORN - NO - TILL	4.3 b	4.8 a	4.2 b	4.5 a
2 CORN - STRIP-TILL	5.2 a	4.9 a	5.0 a	5.1 a
LSD P=.10	0.49	0.68	0.63	0.68
Standard Deviation	0.72	1.00	0.93	1.00
CV	15.09	20.76	20.08	20.88
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) MEANS				
1 APRIL 2016	5.0 a	5.1 a	4.9 a	4.9 a
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE A	
2 MAY 2016	4.6 a	4.8 ab	4.5 bc	4.9 a
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE A	
1 APRIL 2016	4.6 a	5.3 a	4.9 a	4.9 a
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE A	
2 MAY 2016	4.8 a	4.7 ab	4.6 bc	4.9 a
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE A	
1 APRIL 2016	4.8 a	4.3 b	4.3 c	4.6 a
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE A	
2 MAY 2016	4.8 a	4.9 ab	4.6 ab	4.6 a
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE A	
LSD P=.10	0.84	0.64	0.32	0.61
Standard Deviation	0.87	0.66	0.33	0.62
CV	18.21	13.60	7.13	12.99
TABLE OF A (TIME OF APPLICATION) C (CORN PLANTING METHOD) MEANS				
1 APRIL 2016	4.4 a	4.8 a	4.3 a	4.5 a
1 CORN - NO - TILL				
2 MAY 2016	4.3 a	4.7 a	4.1 a	4.5 a
1 CORN - NO - TILL				
1 APRIL 2016	5.2 a	5.0 a	5.1 a	5.1 a
2 CORN - STRIP-TILL				
2 MAY 2016	5.2 a	4.8 a	5.0 a	5.0 a
2 CORN - STRIP-TILL				
LSD P=.10	0.37	0.93	0.50	0.29

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code				
Crop Code				
Part Rated				
Rating Data Type				
Rating Unit				
Rating Date				
PRM Data Type				
# Subsamples, Dec.				
Trt Treatment	Form	Form	Rate	Grow Appl
No. Name	Conc	Type	Rate Unit	Stg Code
Standard Deviation	0.38	0.96	0.52	0.30
CV	8.04	19.96	11.19	6.20
TABLE OF B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS				
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A
1 CORN - NO - TILL				
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A
1 CORN - NO - TILL				
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A
1 CORN - NO - TILL				
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A
2 CORN - STRIP-TILL				
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A
2 CORN - STRIP-TILL				
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A
2 CORN - STRIP-TILL				
LSD P=.10	0.91	0.87	0.49	0.86
Standard Deviation	0.93	0.89	0.50	0.89
CV	19.67	18.43	10.82	18.53
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS				
1 APRIL 2016				
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A
1 CORN - NO - TILL				
2 MAY 2016				
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A
1 CORN - NO - TILL				
1 APRIL 2016				
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A
1 CORN - NO - TILL				
2 MAY 2016				
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A
1 CORN - NO - TILL				
1 APRIL 2016				
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A
1 CORN - NO - TILL				
2 MAY 2016				
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A
1 CORN - NO - TILL				
1 APRIL 2016				
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A
2 CORN - STRIP-TILL				
2 MAY 2016				
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A
2 CORN - STRIP-TILL				
1 APRIL 2016				
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A
2 CORN - STRIP-TILL				
2 MAY 2016				
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A
2 CORN - STRIP-TILL				
1 APRIL 2016				
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A
2 CORN - STRIP-TILL				
2 MAY 2016				
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A
2 CORN - STRIP-TILL				
LSD P=.10	0.36	1.60	1.01	1.24

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code				
Crop Code				
Part Rated				
Rating Data Type				
Rating Unit				
Rating Date				
PRM Data Type				
# Subsamples, Dec.	- 1	- 1	- 1	- 1
Trt Treatment	Form Form	Rate Grow Appl		
No. Name	Conc Type Rate Unit Stg Code			
Standard Deviation				
CV				
	4	5	6	7
	0.26	1.17	0.73	0.90
	5.48	24.15	15.85	18.77

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code					----- ZEAMA PLANT - HGT-AVG INCHES Apr-17-17	----- ZEAMA PLANT - BIOMASS G/6 PLTS Apr-18-17	----- ZEAMA BRAKE - INJURY PLNTS/PL Apr-27-17
Crop Code					T1		
Part Rated					- 1	- 1	
Rating Data Type							
Rating Unit							
Rating Date							
PRM Data Type							
# Subsamples, Dec.							
Trt Treatment	Form	Form	Rate	Grow	Appl		
No. Name	Conc	Type	Rate	Unit	Stg	Code	
							8 9 10
TABLE OF R MEANS							
Replicate 1							
Replicate 2							
Replicate 3							
Replicate 4							
TABLE OF A (TIME OF APPLICATION) MEANS							
1 APRIL 2016							
2 MAY 2016							
LSD P=.10							
Standard Deviation							
CV							
TABLE OF B (BRAKE RATE) MEANS							
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A							
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A							
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A							
LSD P=.10							
Standard Deviation							
CV							
TABLE OF C (CORN PLANTING METHOD) MEANS							
1 CORN - NO - TILL							
2 CORN - STRIP-TILL							
LSD P=.10							
Standard Deviation							
CV							
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) MEANS							
1 APRIL 2016							
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A							
2 MAY 2016							
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A							
1 APRIL 2016							
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A							
2 MAY 2016							
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A							
1 APRIL 2016							
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A							
2 MAY 2016							
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A							
LSD P=.10							
Standard Deviation							
CV							
TABLE OF A (TIME OF APPLICATION) C (CORN PLANTING METHOD) MEANS							
1 APRIL 2016							
1 CORN - NO - TILL							
2 MAY 2016							
1 CORN - NO - TILL							
1 APRIL 2016							
2 CORN - STRIP-TILL							
2 MAY 2016							
2 CORN - STRIP-TILL							
LSD P=.10							

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date	----- ZEAMA PLANT - HGT-AVG INCHES Apr-17-17	----- ZEAMA PLANT - BIOMASS G/6 PLTS Apr-18-17	----- ZEAMA BRAKE - INJURY PLNTS/PL Apr-27-17
PRM Data Type # Subsamples, Dec.	T1 - 1	- 1	
Trt Treatment No. Name	Form Form Conc Type Rate Unit Stg Code		
	8	9	10
Standard Deviation CV	0.41 8.48	1.46 8.26	1.53 144.41
TABLE OF B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS			
1 BRAKE F16 1 CORN - NO - TILL	2.7 SL 0.0 oz/a PRE A	4.7 a	17.3 a 0.0 a
2 BRAKE F16 1 CORN - NO - TILL	2.7 SL 16.0 oz/a PRE A	4.6 a	16.1 a 0.4 a
3 BRAKE F16 1 CORN - NO - TILL	2.7 SL 32.0 oz/a PRE A	4.3 a	16.4 a 4.1 a
1 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 0.0 oz/a PRE A	5.0 a	18.4 a 0.0 a
2 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 16.0 oz/a PRE A	5.2 a	19.1 a 0.4 a
3 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 32.0 oz/a PRE A	5.0 a	19.0 a 1.5 a
LSD P=.10 Standard Deviation CV	0.46 0.47 9.79	3.18 3.28 18.51	1.98 2.04 191.96
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS			
1 APRIL 2016 1 BRAKE F16 1 CORN - NO - TILL	2.7 SL 0.0 oz/a PRE A	4.7 a	16.3 a 0.0 c
2 MAY 2016 1 BRAKE F16 1 CORN - NO - TILL	2.7 SL 0.0 oz/a PRE A	4.7 a	18.3 a 0.0 c
1 APRIL 2016 2 BRAKE F16 1 CORN - NO - TILL	2.7 SL 16.0 oz/a PRE A	4.8 a	16.0 a 0.5 bc
2 MAY 2016 2 BRAKE F16 1 CORN - NO - TILL	2.7 SL 16.0 oz/a PRE A	4.4 a	16.3 a 0.3 c
1 APRIL 2016 3 BRAKE F16 1 CORN - NO - TILL	2.7 SL 32.0 oz/a PRE A	4.1 a	17.3 a 7.3 a
2 MAY 2016 3 BRAKE F16 1 CORN - NO - TILL	2.7 SL 32.0 oz/a PRE A	4.6 a	15.5 a 1.0 bc
1 APRIL 2016 1 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 0.0 oz/a PRE A	5.2 a	19.3 a 0.0 c
2 MAY 2016 1 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 0.0 oz/a PRE A	4.9 a	17.5 a 0.0 c
1 APRIL 2016 2 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 16.0 oz/a PRE A	5.2 a	19.0 a 0.8 bc
2 MAY 2016 2 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 16.0 oz/a PRE A	5.2 a	19.3 a 0.0 c
1 APRIL 2016 3 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 32.0 oz/a PRE A	4.9 a	18.3 a 1.8 b
2 MAY 2016 3 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 32.0 oz/a PRE A	5.0 a	19.8 a 1.3 bc
LSD P=.10	0.59	3.98	1.47

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code						----- ZEAMA PLANT - HGT1 INCHES May-19-17	----- ZEAMA PLANT - HGT2 INCHES May-19-17	----- ZEAMA PLANT - HGT3 INCHES May-19-17	
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment	Form	Form	Rate	Grow	Appl				
No. Name	Conc	Type	Rate	Unit	Stg	Code	11	12	13
TABLE OF R MEANS									
Replicate 1							47.1	49.3	49.3
Replicate 2							51.3	52.1	51.3
Replicate 3							51.3	53.2	52.7
Replicate 4							53.7	53.2	53.8
TABLE OF A (TIME OF APPLICATION) MEANS									
1 APRIL 2016							49.9 a	51.8 a	51.3 a
2 MAY 2016							51.8 a	52.0 a	52.3 a
LSD P=.10							3.12	2.07	2.22
Standard Deviation							4.60	3.05	3.27
CV							9.04	5.87	6.33
TABLE OF B (BRAKE RATE) MEANS									
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A							49.5 a	50.5 a	50.1 a
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A							51.2 a	52.8 a	53.1 a
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A							51.8 a	52.6 a	52.1 a
LSD P=.10							5.57	7.42	6.82
Standard Deviation							8.10	10.80	9.92
CV							15.94	20.79	19.18
TABLE OF C (CORN PLANTING METHOD) MEANS									
1 CORN - NO - TILL							50.3 a	51.8 a	52.0 a
2 CORN - STRIP-TILL							51.3 a	52.0 a	51.5 a
LSD P=.10							3.75	2.75	1.86
Standard Deviation							5.52	4.05	2.73
CV							10.86	7.80	5.28
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) MEANS									
1 APRIL 2016							50.9 a	50.6 a	50.1 a
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A									
2 MAY 2016							48.1 a	50.4 a	50.0 a
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A									
1 APRIL 2016							47.8 a	50.4 a	50.4 a
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A									
2 MAY 2016							54.6 a	55.1 a	55.8 a
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A									
1 APRIL 2016							51.0 a	54.5 a	53.3 a
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A									
2 MAY 2016							52.6 a	50.6 a	51.0 a
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A									
LSD P=.10							6.99	5.95	7.56
Standard Deviation							7.20	6.13	7.78
CV							14.16	11.80	15.04
TABLE OF A (TIME OF APPLICATION) C (CORN PLANTING METHOD) MEANS									
1 APRIL 2016							48.6 a	52.3 a	51.5 a
1 CORN - NO - TILL									
2 MAY 2016							52.1 a	51.4 a	52.6 a
1 CORN - NO - TILL									
1 APRIL 2016							51.2 a	51.4 a	51.0 a
2 CORN - STRIP-TILL									
2 MAY 2016							51.5 a	52.7 a	51.9 a
2 CORN - STRIP-TILL									
LSD P=.10							7.16	6.65	6.38

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date	----- ZEAMA PLANT - HGT1 INCHES May-19-17	----- ZEAMA PLANT - HGT2 INCHES May-19-17	----- ZEAMA PLANT - HGT3 INCHES May-19-17
PRM Data Type # Subsamples, Dec.			
Trt Treatment Form Form Rate Grow Appl No. Name Conc Type Rate Unit Stg Code	11	12	13
Standard Deviation CV	7.46 14.67	6.92 13.33	6.64 12.84
TABLE OF B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS			
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A 1 CORN - NO - TILL	48.4 a	50.4 a	50.3 a
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A 1 CORN - NO - TILL	52.3 a	52.6 a	52.8 a
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A 1 CORN - NO - TILL	50.4 a	52.5 a	53.1 a
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A 2 CORN - STRIP-TILL	50.6 a	50.6 a	49.9 a
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A 2 CORN - STRIP-TILL	50.1 a	52.9 a	53.4 a
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A 2 CORN - STRIP-TILL	53.3 a	52.6 a	51.1 a
LSD P=.10 Standard Deviation CV	5.86 6.03 11.86	5.82 5.99 11.52	5.03 5.18 10.01
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS			
1 APRIL 2016 1 BRAKE F16 2.7 SL 0.0 oz/a PRE A 1 CORN - NO - TILL	48.8 a	49.8 cd	51.0 bc
2 MAY 2016 1 BRAKE F16 2.7 SL 0.0 oz/a PRE A 1 CORN - NO - TILL	48.0 a	51.0 bcd	49.5 c
1 APRIL 2016 2 BRAKE F16 2.7 SL 16.0 oz/a PRE A 1 CORN - NO - TILL	46.3 a	49.3 cd	47.3 c
2 MAY 2016 2 BRAKE F16 2.7 SL 16.0 oz/a PRE A 1 CORN - NO - TILL	58.3 a	56.0 ab	58.3 a
1 APRIL 2016 3 BRAKE F16 2.7 SL 32.0 oz/a PRE A 1 CORN - NO - TILL	50.8 a	57.8 a	56.3 ab
2 MAY 2016 3 BRAKE F16 2.7 SL 32.0 oz/a PRE A 1 CORN - NO - TILL	50.0 a	47.3 d	50.0 bc
1 APRIL 2016 1 BRAKE F16 2.7 SL 0.0 oz/a PRE A 2 CORN - STRIP-TILL	53.0 a	51.5 bcd	49.3 c
2 MAY 2016 1 BRAKE F16 2.7 SL 0.0 oz/a PRE A 2 CORN - STRIP-TILL	48.3 a	49.8 cd	50.5 bc
1 APRIL 2016 2 BRAKE F16 2.7 SL 16.0 oz/a PRE A 2 CORN - STRIP-TILL	49.3 a	51.5 bcd	53.5 abc
2 MAY 2016 2 BRAKE F16 2.7 SL 16.0 oz/a PRE A 2 CORN - STRIP-TILL	51.0 a	54.3 abc	53.3 abc
1 APRIL 2016 3 BRAKE F16 2.7 SL 32.0 oz/a PRE A 2 CORN - STRIP-TILL	51.3 a	51.3 bcd	50.3 bc
2 MAY 2016 3 BRAKE F16 2.7 SL 32.0 oz/a PRE A 2 CORN - STRIP-TILL	55.3 a	54.0 abc	52.0 abc
LSD P=.10	5.71	5.62	6.35

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code				
Crop Code				
Part Rated				
Rating Data Type				
Rating Unit				
Rating Date				
PRM Data Type				
# Subsamples, Dec.				
Trt Treatment	Form Form	Rate	Grow	Appl
No. Name	Conc Type	Rate Unit	Stg	Code
Standard Deviation				
CV				

	----- ZEAMA PLANT - HGT1 INCHES May-19-17	----- ZEAMA PLANT - HGT2 INCHES May-19-17	----- ZEAMA PLANT - HGT3 INCHES May-19-17
	11	12	13
Standard Deviation	4.16	4.09	4.62
CV	8.18	7.88	8.92

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code					----- ZEAMA PLANT - HGT4 INCHES May-19-17	----- ZEAMA PLANT - HGT5 INCHES May-19-17	----- ZEAMA PLANT - HGT-AVG INCHES May-19-17
Crop Code							
Part Rated							
Rating Data Type							
Rating Unit							
Rating Date							
PRM Data Type							T2
# Subsamples, Dec.							- 0
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	
							14 15 16
TABLE OF R MEANS							
Replicate 1							49.1 48.3 49
Replicate 2							49.8 50.5 51
Replicate 3							54.2 52.3 53
Replicate 4							54.0 52.6 53
TABLE OF A (TIME OF APPLICATION) MEANS							
1 APRIL 2016							51.5 a 50.4 a 51 a
2 MAY 2016							52.0 a 51.4 a 52 a
LSD P=.10							1.85 2.02 1.9
Standard Deviation							2.72 2.98 2.8
CV							5.25 5.85 5.4
TABLE OF B (BRAKE RATE) MEANS							
1 BRAKE F16	2.7 SL		0.0 oz/a	PRE	A		48.8 a 49.4 a 50 a
2 BRAKE F16	2.7 SL		16.0 oz/a	PRE	A		53.5 a 51.9 a 52 a
3 BRAKE F16	2.7 SL		32.0 oz/a	PRE	A		53.0 a 51.4 a 52 a
LSD P=.10							5.04 7.23 6.0
Standard Deviation							7.34 10.53 8.8
CV							14.19 20.69 17.1
TABLE OF C (CORN PLANTING METHOD) MEANS							
1 CORN - NO - TILL							52.0 a 51.0 a 51 a
2 CORN - STRIP-TILL							51.5 a 50.8 a 51 a
LSD P=.10							2.96 2.04 1.6
Standard Deviation							4.36 3.00 2.4
CV							8.43 5.90 4.7
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) MEANS							
1 APRIL 2016							48.8 a 50.3 a 50 a
1 BRAKE F16	2.7 SL		0.0 oz/a	PRE	A		
2 MAY 2016							48.8 a 48.5 a 49 a
1 BRAKE F16	2.7 SL		0.0 oz/a	PRE	A		
1 APRIL 2016							52.0 a 49.0 a 50 a
2 BRAKE F16	2.7 SL		16.0 oz/a	PRE	A		
2 MAY 2016							55.0 a 54.8 a 55 a
2 BRAKE F16	2.7 SL		16.0 oz/a	PRE	A		
1 APRIL 2016							53.8 a 51.9 a 53 a
3 BRAKE F16	2.7 SL		32.0 oz/a	PRE	A		
2 MAY 2016							52.3 a 51.0 a 52 a
3 BRAKE F16	2.7 SL		32.0 oz/a	PRE	A		
LSD P=.10							5.63 8.25 6.4
Standard Deviation							5.79 8.49 6.6
CV							11.19 16.68 12.8
TABLE OF A (TIME OF APPLICATION) C (CORN PLANTING METHOD) MEANS							
1 APRIL 2016							51.5 a 50.8 a 51 a
1 CORN - NO - TILL							
2 MAY 2016							52.6 a 51.2 a 52 a
1 CORN - NO - TILL							
1 APRIL 2016							51.5 a 50.0 a 51 a
2 CORN - STRIP-TILL							
2 MAY 2016							51.4 a 51.7 a 52 a
2 CORN - STRIP-TILL							
LSD P=.10							7.34 5.86 6.3

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date	----- ZEAMA PLANT - HGT4 INCHES May-19-17	----- ZEAMA PLANT - HGT5 INCHES May-19-17	----- ZEAMA PLANT - HGT-AVG INCHES May-19-17
PRM Data Type # Subsamples, Dec.			T2 - 0
Trt Treatment No. Name	Form Form Conc Type Rate Unit Stg Code		
		14	15
Standard Deviation CV		7.64 14.76	6.10 11.98
TABLE OF B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS			
1 BRAKE F16 1 CORN - NO - TILL	2.7 SL 0.0 oz/a PRE A	48.4 a	48.5 a
2 BRAKE F16 1 CORN - NO - TILL	2.7 SL 16.0 oz/a PRE A	53.4 a	52.0 a
3 BRAKE F16 1 CORN - NO - TILL	2.7 SL 32.0 oz/a PRE A	54.4 a	52.4 a
1 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 0.0 oz/a PRE A	49.1 a	50.3 a
2 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 16.0 oz/a PRE A	53.6 a	51.8 a
3 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 32.0 oz/a PRE A	51.6 a	50.5 a
LSD P=.10 Standard Deviation CV		4.70 4.84 9.36	3.35 3.44 6.76
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS			
1 APRIL 2016 1 BRAKE F16 1 CORN - NO - TILL	2.7 SL 0.0 oz/a PRE A	47.3 f	49.3 a
2 MAY 2016 1 BRAKE F16 1 CORN - NO - TILL	2.7 SL 0.0 oz/a PRE A	49.5 def	47.8 a
1 APRIL 2016 2 BRAKE F16 1 CORN - NO - TILL	2.7 SL 16.0 oz/a PRE A	50.8 b-f	48.5 a
2 MAY 2016 2 BRAKE F16 1 CORN - NO - TILL	2.7 SL 16.0 oz/a PRE A	56.0 a	55.5 a
1 APRIL 2016 3 BRAKE F16 1 CORN - NO - TILL	2.7 SL 32.0 oz/a PRE A	56.5 a	54.5 a
2 MAY 2016 3 BRAKE F16 1 CORN - NO - TILL	2.7 SL 32.0 oz/a PRE A	52.3 bcd	50.3 a
1 APRIL 2016 1 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 0.0 oz/a PRE A	50.3 c-f	51.3 a
2 MAY 2016 1 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 0.0 oz/a PRE A	48.0 ef	49.3 a
1 APRIL 2016 2 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 16.0 oz/a PRE A	53.3 abc	49.5 a
2 MAY 2016 2 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 16.0 oz/a PRE A	54.0 ab	54.0 a
1 APRIL 2016 3 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 32.0 oz/a PRE A	51.0 b-e	49.3 a
2 MAY 2016 3 BRAKE F16 2 CORN - STRIP-TILL	2.7 SL 32.0 oz/a PRE A	52.3 bcd	51.8 a
LSD P=.10		3.66	7.08

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code		-----	-----	-----
Crop Code		ZEAMA	ZEAMA	ZEAMA
Part Rated		PLANT -	PLANT -	PLANT -
Rating Data Type		HGT4	HGT5	HGT-AVG
Rating Unit		INCHES	INCHES	INCHES
Rating Date		May-19-17	May-19-17	May-19-17
PRM Data Type				T2
# Subsamples, Dec.				- 0
Trt Treatment	Form Form	Rate	Grow	Appl
No. Name	Conc Type	Rate Unit	Stg	Code
Standard Deviation		2.67	5.15	3.4
CV		5.15	10.12	6.6

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code						-----	-----
Crop Code						ZEAMA	ZEAMA
Part Rated						PLOT -	PLOT -
Rating Data Type						YIELD	YIELD
Rating Unit						LBS/PLOT	BU/A
Rating Date						Aug-21-17	Aug-21-17
PRM Data Type							TY3
# Subsamples, Dec.							- 0
Trt Treatment	Form Form	Rate	Grow	Appl			
No. Name	Conc Type	Rate Unit	Stg	Code		17	18
TABLE OF R MEANS							
Replicate 1						44.0	228
Replicate 2						44.3	230
Replicate 3						43.5	226
Replicate 4						45.3	235
TABLE OF A (TIME OF APPLICATION) MEANS							
1 APRIL 2016						44.3 a	230 a
2 MAY 2016						44.3 a	230 a
LSD P=.10						1.44	7.5
Standard Deviation						2.13	11.0
CV						4.80	4.8
TABLE OF B (BRAKE RATE) MEANS							
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A						43.9 a	228 a
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A						45.0 a	234 a
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A						43.9 a	228 a
LSD P=.10						1.30	6.8
Standard Deviation						1.90	9.9
CV						4.29	4.3
TABLE OF C (CORN PLANTING METHOD) MEANS							
1 CORN - NO - TILL						43.9 a	228 a
2 CORN - STRIP-TILL						44.7 a	232 a
LSD P=.10						1.53	7.9
Standard Deviation						2.25	11.7
CV						5.08	5.1
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) MEANS							
1 APRIL 2016						44.6 b	232 b
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A							
2 MAY 2016						43.3 d	225 d
1 BRAKE F16 2.7 SL 0.0 oz/a PRE A							
1 APRIL 2016						44.3 bc	230 bc
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A							
2 MAY 2016						45.6 a	237 a
2 BRAKE F16 2.7 SL 16.0 oz/a PRE A							
1 APRIL 2016						43.9 cd	228 cd
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A							
2 MAY 2016						44.0 bc	229 bc
3 BRAKE F16 2.7 SL 32.0 oz/a PRE A							
LSD P=.10						0.69	3.6
Standard Deviation						0.71	3.7
CV						1.60	1.6
TABLE OF A (TIME OF APPLICATION) C (CORN PLANTING METHOD) MEANS							
1 APRIL 2016						44.3 a	230 a
1 CORN - NO - TILL							
2 MAY 2016						43.4 a	226 a
1 CORN - NO - TILL							
1 APRIL 2016						44.2 a	230 a
2 CORN - STRIP-TILL							
2 MAY 2016						45.2 a	235 a
2 CORN - STRIP-TILL							
LSD P=.10						2.01	10.5

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code						-----	-----
Crop Code						ZEAMA	ZEAMA
Part Rated						PLOT -	PLOT -
Rating Data Type						YIELD	YIELD
Rating Unit						LBS/PLOT	BU/A
Rating Date						Aug-21-17	Aug-21-17
PRM Data Type							TY3
# Subsamples, Dec.							- 0
Trt Treatment	Form Form	Rate	Grow	Appl			
No. Name	Conc Type	Rate	Unit	Stg Code		17	18
Standard Deviation						2.10	10.9
CV						4.73	4.7
TABLE OF B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS							
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A		43.9 a	228 a
1 CORN - NO - TILL							
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A		44.9 a	233 a
1 CORN - NO - TILL							
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A		42.9 a	223 a
1 CORN - NO - TILL							
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A		44.0 a	229 a
2 CORN - STRIP-TILL							
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A		45.1 a	234 a
2 CORN - STRIP-TILL							
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A		45.0 a	234 a
2 CORN - STRIP-TILL							
LSD P=.10							
Standard Deviation						2.88	15.0
CV						2.96	15.4
						6.69	6.7
TABLE OF A (TIME OF APPLICATION) B (BRAKE RATE) C (CORN PLANTING METHOD) MEANS							
1 APRIL 2016						45.3 abc	235 abc
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A			
1 CORN - NO - TILL							
2 MAY 2016						42.5 de	221 de
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A			
1 CORN - NO - TILL							
1 APRIL 2016						44.0 bcd	229 bcd
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A			
1 CORN - NO - TILL							
2 MAY 2016						45.8 ab	238 ab
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A			
1 CORN - NO - TILL							
1 APRIL 2016						43.8 cde	227 cde
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A			
1 CORN - NO - TILL							
2 MAY 2016						42.0 e	218 e
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A			
1 CORN - NO - TILL							
1 APRIL 2016						44.0 bcd	229 bcd
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A			
2 CORN - STRIP-TILL							
2 MAY 2016						44.0 bcd	229 bcd
1 BRAKE F16	2.7 SL	0.0 oz/a	PRE	A			
2 CORN - STRIP-TILL							
1 APRIL 2016						44.7 abc	232 abc
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A			
2 CORN - STRIP-TILL							
2 MAY 2016						45.5 abc	236 abc
2 BRAKE F16	2.7 SL	16.0 oz/a	PRE	A			
2 CORN - STRIP-TILL							
1 APRIL 2016						44.0 bcd	229 bcd
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A			
2 CORN - STRIP-TILL							
2 MAY 2016						46.0 a	239 a
3 BRAKE F16	2.7 SL	32.0 oz/a	PRE	A			
2 CORN - STRIP-TILL							
LSD P=.10							
						1.79	9.3

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT POPULAT #/10 FT Apr-7-17 1 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	91.312500				
R	3	2.229167	0.743056	0.321	0.8103	
A	1	0.020833	0.020833	0.070	0.8088	0.4
RA	3	0.895833	0.298611			
B	2	1.625000	0.812500	0.936	0.4428	0.6
RB	6	5.208333	0.868056			
AB	2	0.541667	0.270833	0.080	0.9240	1.8
RAB	6	20.291667	3.381944			
C	1	15.187500	15.187500	7.953	0.0667	0.9
RC	3	5.729167	1.909722			
AC	1	13.020833	13.020833	25.000	0.0154	0.7
RAC	3	1.562500	0.520833			
BC	2	0.875000	0.437500	0.441	0.6629	1.0
RBC	6	5.958333	0.993056			
ABC	2	4.291667	2.145833	0.928	0.4455	2.1
RABC	6	13.875000	2.312500			

COMPLETE FACTORIAL AOV For ----- ZEAMA BRAKE INJURY PLTS/PLT Apr-17-17 1 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2041.916667				
R	3	82.083333	27.361111	3.107	0.1102	
A	1	21.333333	21.333333	20.211	0.0205	0.7
RA	3	3.166667	1.055556			
B	2	867.166667	433.583333	28.074	0.0009	2.7
RB	6	92.666667	15.444444			
AB	2	7.166667	3.583333	2.932	0.1294	1.1
RAB	6	7.333333	1.222222			
C	1	147.000000	147.000000	3.650	0.1521	4.3
RC	3	120.833333	40.277778			
AC	1	4.083333	4.083333	1.652	0.2890	1.5
RAC	3	7.416667	2.472222			
BC	2	253.500000	126.750000	2.074	0.2067	7.6
RBC	6	366.666667	61.111111			
ABC	2	8.666667	4.333333	0.492	0.6340	4.1
RABC	6	52.833333	8.805556			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT-1 INCHES Apr-17-17 1 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	41.619792				
R	3	12.265625	4.088542	3.525	0.0884	
A	1	1.505208	1.505208	0.991	0.3929	0.8
RA	3	4.557292	1.519097			
B	2	0.666667	0.333333	4.000	0.0787	0.2
RB	6	0.500000	0.083333			
AB	2	1.041667	0.520833	1.154	0.3767	0.7
RAB	6	2.708333	0.451389			
C	1	1.880208	1.880208	3.722	0.1493	0.5
RC	3	1.515625	0.505208			
AC	1	0.630208	0.630208	0.978	0.3955	0.8
RAC	3	1.932292	0.644097			
BC	2	2.166667	1.083333	3.250	0.1106	0.6
RBC	6	2.000000	0.333333			
ABC	2	1.291667	0.645833	0.557	0.6000	1.5
RABC	6	6.958333	1.159722			

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COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT-2 INCHES Apr-17-17 1 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	39.500000				
R	3	2.958333	0.986111	14.564	0.0037	
A	1	0.020833	0.020833	0.019	0.9001	0.7
RA	3	3.354167	1.118056			
B	2	0.093750	0.046875	0.055	0.9465	0.6
RB	6	5.072917	0.845486			
AB	2	1.010417	0.505208	0.675	0.5439	0.8
RAB	6	4.489583	0.748264			
C	1	8.333333	8.333333	16.216	0.0275	0.5
RC	3	1.541667	0.513889			
AC	1	0.020833	0.020833	0.143	0.7306	0.4
RAC	3	0.437500	0.145833			
BC	2	0.510417	0.255208	0.292	0.7566	0.9
RBC	6	5.239583	0.873264			
ABC	2	6.010417	3.005208	44.385	0.0003	0.4
RABC	6	0.406250	0.067708			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT-3 INCHES Apr-17-17 1 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	31.666667				
R	3	1.041667	0.347222	0.255	0.8554	
A	1	0.187500	0.187500	1.286	0.3393	0.3
RA	3	0.437500	0.145833			
B	2	1.447917	0.723958	1.106	0.3900	0.6
RB	6	3.927083	0.654514			
AB	2	3.031250	1.515625	3.506	0.0980	0.6
RAB	6	2.593750	0.432292			
C	1	0.187500	0.187500	0.186	0.6952	0.7
RC	3	3.020833	1.006944			
AC	1	0.000000	0.000000	0.000	1.0000	0.9
RAC	3	2.791667	0.930556			
BC	2	0.031250	0.015625	0.020	0.9806	0.9
RBC	6	4.760417	0.793403			
ABC	2	0.031250	0.015625	0.011	0.9886	1.6
RABC	6	8.177083	1.362847			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT-4 INCHES Apr-17-17 1 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	25.369792				
R	3	3.140625	1.046875	1.939	0.2247	
A	1	0.255208	0.255208	1.000	0.3910	0.3
RA	3	0.765625	0.255208			
B	2	0.947917	0.473958	1.784	0.2465	0.4
RB	6	1.593750	0.265625			
AB	2	1.635417	0.817708	7.476	0.0235	0.3
RAB	6	0.656250	0.109375			
C	1	7.921875	7.921875	9.144	0.0566	0.6
RC	3	2.598958	0.866319			
AC	1	0.046875	0.046875	0.174	0.7045	0.5
RAC	3	0.807292	0.269097			
BC	2	0.031250	0.015625	0.062	0.9404	0.5
RBC	6	1.510417	0.251736			
ABC	2	0.218750	0.109375	0.203	0.8220	1.0
RABC	6	3.239583	0.539931			

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COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT-5 INCHES Apr-17-17 1 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	31.869792				
R	3	2.307292	0.769097	0.947	0.4753	
A	1	0.005208	0.005208	0.007	0.9379	0.6
RA	3	2.182292	0.727431			
B	2	1.041667	0.520833	0.493	0.6333	0.7
RB	6	6.333333	1.055556			
AB	2	0.041667	0.020833	0.054	0.9483	0.6
RAB	6	2.333333	0.388889			
C	1	3.255208	3.255208	3.238	0.1698	0.7
RC	3	3.015625	1.005208			
AC	1	0.005208	0.005208	0.059	0.8240	0.3
RAC	3	0.265625	0.088542			
BC	2	0.291667	0.145833	0.184	0.8363	0.9
RBC	6	4.750000	0.791667			
ABC	2	1.166667	0.583333	0.718	0.5254	1.2
RABC	6	4.875000	0.812500			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT-AVG INCHES Apr-17-17 T1 1 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	14.748125				
R	3	3.120625	1.040208	5.604	0.0356	
A	1	0.000208	0.000208	0.001	0.9763	0.3
RA	3	0.598958	0.199653			
B	2	0.586250	0.293125	2.161	0.1964	0.3
RB	6	0.813750	0.135625			
AB	2	0.532917	0.266458	2.130	0.1999	0.3
RAB	6	0.750417	0.125069			
C	1	3.466875	3.466875	8.651	0.0605	0.4
RC	3	1.202292	0.400764			
AC	1	0.010208	0.010208	0.062	0.8197	0.4
RAC	3	0.495625	0.165208			
BC	2	0.241250	0.120625	0.547	0.6048	0.5
RBC	6	1.322083	0.220347			
ABC	2	0.492917	0.246458	1.328	0.3331	0.6
RABC	6	1.113750	0.185625			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT BIOMASS G/6 PLTS Apr-18-17 1 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	469.916667				
R	3	160.083333	53.361111	6.345	0.0273	
A	1	0.083333	0.083333	0.011	0.9226	1.9
RA	3	22.416667	7.472222			
B	2	0.291667	0.145833	0.042	0.9595	1.3
RB	6	21.041667	3.506944			
AB	2	0.291667	0.145833	0.023	0.9772	2.4
RAB	6	37.708333	6.284722			
C	1	60.750000	60.750000	13.584	0.0346	1.4
RC	3	13.416667	4.472222			
AC	1	0.083333	0.083333	0.039	0.8561	1.4
RAC	3	6.416667	2.138889			
BC	2	7.875000	3.937500	0.367	0.7077	3.2
RBC	6	64.458333	10.743056			
ABC	2	24.541667	12.270833	1.459	0.3045	4.0
RABC	6	50.458333	8.409722			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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COMPLETE FACTORIAL AOV For ---- ZEAMA BRAKE INJURY PLNTS/PL Apr-27-17 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	274.812500				
R	3	5.729167	1.909722	1.667	0.2719	
A	1	20.020833	20.020833	6.281	0.0872	1.2
RA	3	9.562500	3.187500			
B	2	74.625000	37.312500	33.373	0.0006	0.7
RB	6	6.708333	1.118056			
AB	2	26.541667	13.270833	4.650	0.0603	1.6
RAB	6	17.125000	2.854167			
C	1	9.187500	9.187500	1.871	0.2648	1.5
RC	3	14.729167	4.909722			
AC	1	9.187500	9.187500	3.903	0.1427	1.5
RAC	3	7.062500	2.354167			
BC	2	18.375000	9.187500	2.209	0.1911	2.0
RBC	6	24.958333	4.159722			
ABC	2	24.125000	12.062500	10.527	0.0109	1.5
RABC	6	6.875000	1.145833			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT1 INCHES May-19-17 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2108.666667				
R	3	270.166667	90.055556	5.214	0.0415	
A	1	44.083333	44.083333	2.085	0.2444	3.1
RA	3	63.416667	21.138889			
B	2	45.791667	22.895833	0.349	0.7189	5.6
RB	6	393.708333	65.618056			
AB	2	185.791667	92.895833	1.794	0.2451	7.0
RAB	6	310.708333	51.784722			
C	1	12.000000	12.000000	0.393	0.5750	3.8
RC	3	91.500000	30.500000			
AC	1	30.083333	30.083333	0.541	0.5152	7.2
RAC	3	166.750000	55.583333			
BC	2	59.375000	29.687500	0.817	0.4857	5.9
RBC	6	218.125000	36.354167			
ABC	2	113.541667	56.770833	3.287	0.1086	5.7
RABC	6	103.625000	17.270833			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT2 INCHES May-19-17 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1980.812500				
R	3	117.895833	39.298611	2.347	0.1720	
A	1	0.520833	0.520833	0.056	0.8282	2.1
RA	3	27.895833	9.298611			
B	2	49.875000	24.937500	0.214	0.8134	7.4
RB	6	699.791667	116.631944			
AB	2	150.041667	75.020833	1.998	0.2163	6.0
RAB	6	225.291667	37.548611			
C	1	0.520833	0.520833	0.032	0.8700	2.8
RC	3	49.229167	16.409722			
AC	1	13.020833	13.020833	0.272	0.6382	6.7
RAC	3	143.729167	47.909722			
BC	2	0.041667	0.020833	0.001	0.9994	5.8
RBC	6	214.958333	35.826389			
ABC	2	187.541667	93.770833	5.601	0.0424	5.6
RABC	6	100.458333	16.743056			

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COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT3 INCHES May-19-17 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1993.000000				
R	3	135.166667	45.055556	2.113	0.2000	
A	1	12.000000	12.000000	1.119	0.3677	2.2
RA	3	32.166667	10.722222			
B	2	75.375000	37.687500	0.383	0.6976	6.8
RB	6	590.958333	98.493056			
AB	2	123.875000	61.937500	1.022	0.4148	7.6
RAB	6	363.458333	60.576389			
C	1	4.083333	4.083333	0.546	0.5134	1.9
RC	3	22.416667	7.472222			
AC	1	0.083333	0.083333	0.002	0.9681	6.4
RAC	3	132.416667	44.138889			
BC	2	14.041667	7.020833	0.262	0.7781	5.0
RBC	6	160.958333	26.826389			
ABC	2	198.041667	99.020833	4.643	0.0605	6.3
RABC	6	127.958333	21.326389			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT4 INCHES May-19-17 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1593.000000				
R	3	264.166667	88.055556	12.383	0.0056	
A	1	3.000000	3.000000	0.406	0.5693	1.8
RA	3	22.166667	7.388889			
B	2	218.000000	109.000000	2.023	0.2131	5.0
RB	6	323.333333	53.888889			
AB	2	42.000000	21.000000	0.626	0.5664	5.6
RAB	6	201.333333	33.555556			
C	1	4.083333	4.083333	0.215	0.6747	3.0
RC	3	57.083333	19.027778			
AC	1	4.083333	4.083333	0.070	0.8085	7.3
RAC	3	175.083333	58.361111			
BC	2	28.666667	14.333333	0.611	0.5733	4.7
RBC	6	140.666667	23.444444			
ABC	2	66.666667	33.333333	4.688	0.0594	3.7
RABC	6	42.666667	7.111111			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT5 INCHES May-19-17 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1918.479167				
R	3	142.062500	47.354167	1.786	0.2498	
A	1	13.020833	13.020833	1.471	0.3120	2.0
RA	3	26.562500	8.854167			
B	2	57.041667	28.520833	0.257	0.7813	7.2
RB	6	665.125000	110.854167			
AB	2	134.541667	67.270833	0.933	0.4438	8.3
RAB	6	432.625000	72.104167			
C	1	0.187500	0.187500	0.021	0.8945	2.0
RC	3	27.062500	9.020833			
AC	1	4.687500	4.687500	0.126	0.7461	5.9
RAC	3	111.562500	37.187500			
BC	2	26.375000	13.187500	1.112	0.3882	3.3
RBC	6	71.125000	11.854167			
ABC	2	47.375000	23.687500	0.893	0.4576	7.1
RABC	6	159.125000	26.520833			

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COMPLETE FACTORIAL AOV For ----- ZEAMA PLANT HGT-AVG INCHES May-19-17 T2 0 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1552.426667				
R	3	166.526667	55.508889	4.889	0.0473	
A	1	10.453333	10.453333	1.351	0.3292	2
RA	3	23.220000	7.740000			
B	2	78.061667	39.030833	0.505	0.6271	6
RB	6	463.838333	77.306389			
AB	2	107.001667	53.500833	1.235	0.3554	6
RAB	6	259.845000	43.307500			
C	1	0.003333	0.003333	0.001	0.9824	2
RC	3	17.350000	5.783333			
AC	1	0.163333	0.163333	0.004	0.9549	6
RAC	3	129.803333	43.267778			
BC	2	5.771667	2.885833	0.146	0.8668	4
RBC	6	118.235000	19.705833			
ABC	2	104.031667	52.015833	4.581	0.0620	5
RABC	6	68.121667	11.353611			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Aug-21-17 (Data Column 17) Missing values in column 17 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	46	215.553241				
R	3	21.784722	7.261574	4.602	0.0668	
A	1	0.002315	0.002315	0.001	0.9834	1.4
RA	3	13.562500	4.520833			
B	2	11.574074	5.787037	1.607	0.2762	1.3
RB	6	21.611111	3.601852			
AB	2	14.296296	7.148148	14.296	0.0052	0.7
RAB	6	3.000000	0.500000			
C	1	8.057870	8.057870	1.593	0.2961	1.5
RC	3	15.173611	5.057870			
AC	1	10.391204	10.391204	2.366	0.2216	2.0
RAC	3	13.173611	4.391204			
BC	2	10.240741	5.120370	0.583	0.5871	2.9
RBC	6	52.722222	8.787037			
ABC	2	12.074074	6.037037	3.826	0.0982	1.8
RABC	5	7.888889	1.577778			

COMPLETE FACTORIAL AOV For ----- ZEAMA PLOT YIELD BU/A Aug-21-17 TY3 0 (Data Column 18) Missing values in column 18 results in unbalanced data, Least Squares Analysis is preferred

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	46	5815.802073				
R	3	587.769556	195.923185	4.602	0.0668	
A	1	0.062456	0.062456	0.001	0.9834	8
RA	3	365.927301	121.975767			
B	2	312.277949	156.138975	1.607	0.2762	7
RB	6	583.085387	97.180898			
AB	2	385.725723	192.862862	14.296	0.0052	4
RAB	6	80.942444	13.490407			
C	1	217.407908	217.407908	1.593	0.2961	8
RC	3	409.396392	136.465464			
AC	1	280.363143	280.363143	2.366	0.2216	10
RAC	3	355.434762	118.478254			
BC	2	276.303530	138.151765	0.583	0.5871	15
RBC	6	1422.488515	237.081419			
ABC	2	325.768357	162.884178	3.826	0.0982	9
RABC	5	212.848650	42.569730			

Part Rated
 PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
 PRM Data Type
 T1 = (([3]+[4]+[5]+[6]+[7])/5)
 T2 = (([11]+[12]+[13]+[14]+[15])/5)
 TY3 = 5.194306*[17]

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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FIELD CORN RESPONSE TO BRAKE F16 APPLIED TO BARE-GROUND THE PREVIOUS YEAR															
Trial ID: CN-01-17		Study Dir.: KYLE BRISCOE													
Location: PONDER FARM		Investigator: Eric P. Prostko													
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	# Subsamples, Dec.	ZEAMA PLANT - POPULAT #/10 FT Apr-7-17	ZEAMA BRAKE - INJURY PLTS/PLT Apr-17-17	ZEAMA PLANT - HGT-1 INCHES Apr-17-17	ZEAMA PLANT - HGT-2 INCHES Apr-17-17	ZEAMA PLANT - HGT-3 INCHES Apr-17-17	ZEAMA PLANT - HGT-4 INCHES Apr-17-17	ZEAMA PLANT - HGT-5 INCHES Apr-17-17	
								- 1	- 1	- 1	- 1	- 1	- 1	- 1	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	1	2	3	4	5	6	7
1	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	0.0 oz/a	PRE	A		101	20.0	0.0	5.0	4.0	4.0	5.0	3.5
								203	20.0	2.0	4.5	3.5	5.0	4.0	3.5
								312	19.0	0.0	4.5	7.0	6.0	5.0	5.5
								407	21.0	0.0	5.5	4.0	5.0	4.0	5.5
								Mean =	20.0	0.5	4.9	4.6	5.0	4.5	4.5
2	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	0.0 oz/a	PRE	A		102	20.0	0.0	4.0	4.0	6.0	6.5	4.5
								204	21.0	0.0	4.0	5.0	4.5	5.0	5.5
								311	20.0	0.0	4.5	6.5	5.0	5.0	5.0
								408	20.0	0.0	6.0	6.0	5.0	5.0	6.0
								Mean =	20.3	0.0	4.6	5.4	5.1	5.4	5.3
3	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	16.0 oz/a	PRE	A		103	21.0	0.0	4.5	5.0	5.5	5.0	4.5
								201	16.0	1.0	4.0	3.5	5.0	4.5	5.5
								307	20.0	4.0	5.5	4.5	5.5	4.5	4.0
								405	21.0	5.0	5.0	5.5	5.0	4.5	4.5
								Mean =	19.5	2.5	4.8	4.6	5.3	4.6	4.6
4	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	16.0 oz/a	PRE	A		104	21.0	1.0	5.0	5.0	5.0	5.0	6.0
								209	21.0	7.0	4.0	4.0	4.5	5.0	5.0
								306	19.0	2.0	6.0	5.0	5.5	4.0	4.0
								411	19.0	0.0	6.5	4.0	7.0	5.5	6.0
								Mean =	20.0	2.5	5.4	4.5	5.4	5.3	5.3
5	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	32.0 oz/a	PRE	A		105	20.0	12.0	3.0	3.5	4.5	3.5	4.5
								210	21.0	26.0	3.0	4.0	4.0	3.5	4.0
								303	19.0	22.0	4.0	4.0	3.5	3.5	4.5
								412	19.0	6.0	5.0	4.0	5.0	5.0	5.0
								Mean =	19.8	16.5	3.8	3.9	4.3	3.9	4.5
6	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	32.0 oz/a	PRE	A		106	18.0	2.0	5.0	6.0	4.0	5.5	4.0
								208	20.0	1.0	5.5	5.0	5.0	4.0	6.0
								304	20.0	6.0	5.5	5.5	4.5	5.0	5.5
								409	19.0	10.0	5.0	6.0	4.0	4.0	3.5
								Mean =	19.3	4.8	5.3	5.6	4.4	4.6	4.8
7	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	0.0 oz/a	PRE	A		107	20.0	0.0	4.5	4.5	4.5	4.0	6.0
								205	17.0	0.0	4.0	4.0	4.0	4.0	3.5
								310	20.0	0.0	7.0	5.0	6.0	4.0	5.0
								401	20.0	0.0	6.0	4.0	4.0	4.5	5.5
								Mean =	19.3	0.0	5.4	4.4	4.6	4.1	5.0
8	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	0.0 oz/a	PRE	A		108	21.0	0.0	7.0	5.0	5.5	5.5	4.0
								206	20.0	0.0	4.5	5.0	4.5	3.5	4.5
								302	19.0	0.0	4.5	4.0	4.5	6.0	5.5
								404	22.0	0.0	5.0	5.0	5.0	4.5	5.5
								Mean =	20.5	0.0	5.3	4.8	4.9	4.9	4.9
9	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	16.0 oz/a	PRE	A		109	18.0	1.0	6.0	4.0	3.5	4.0	4.5
								212	21.0	1.0	3.0	3.5	4.5	4.0	4.0
								301	17.0	0.0	4.0	4.0	4.5	3.5	4.5
								410	20.0	1.0	6.0	4.0	6.0	4.5	5.0
								Mean =	19.0	0.8	4.8	3.9	4.6	4.0	4.5
10	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	16.0 oz/a	PRE	A		110	20.0	0.0	6.0	6.0	4.5	5.5	6.0
								211	22.0	0.0	5.0	6.5	5.0	4.5	6.0
								308	21.0	1.0	5.0	5.5	6.0	6.0	4.0
								402	21.0	0.0	5.0	5.0	3.5	4.5	5.0
								Mean =	21.0	0.3	5.3	5.8	4.8	5.1	5.3
11	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	32.0 oz/a	PRE	A		111	19.0	6.0	5.5	4.5	4.5	4.0	4.0
								207	17.0	19.0	4.0	4.0	4.5	3.5	3.0
								305	18.0	24.0	5.0	4.5	4.5	4.5	4.0
								403	18.0	3.0	5.5	5.5	6.0	5.0	5.5
								Mean =	18.0	13.0	5.0	4.6	4.9	4.3	4.1
12	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	32.0 oz/a	PRE	A		112	21.0	2.0	6.0	6.0	7.0	4.5	5.5
								202	21.0	4.0	4.0	4.0	4.5	5.0	4.5
								309	22.0	1.0	5.0	4.0	4.0	5.5	5.0
								406	21.0	12.0	5.5	6.0	4.0	5.0	5.0
								Mean =	21.3	4.8	5.1	5.0	4.9	5.0	5.0

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Weed Code							-----	-----	-----	-----	-----	-----	
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA	
Part Rated							PLANT -	PLANT -	BRAKE -	PLANT -	PLANT -	PLANT -	
Rating Data Type							HGT-AVG	BIOMASS	INJURY	HGT1	HGT2	HGT3	
Rating Unit							INCHES	G/6 PLTS	PLNTS/PL	INCHES	INCHES	INCHES	
Rating Date							Apr-17-17	Apr-18-17	Apr-27-17	May-19-17	May-19-17	May-19-17	
PRM Data Type							T1						
# Subsamples, Dec.							- 1	- 1					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code	8	9	10	11	12	13	
1	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	0.0 oz/a	PRE	A	101	4.3	13.0	0.0	45.0	48.0	46.0
							203	4.1	14.0	0.0	55.0	54.0	54.0
							312	5.6	20.0	0.0	53.0	55.0	58.0
							407	4.8	18.0	0.0	42.0	42.0	46.0
							Mean =	4.7	16.3	0.0	48.8	49.8	51.0
2	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	0.0 oz/a	PRE	A	102	5.0	14.0	0.0	53.0	47.0	46.0
							204	4.8	17.0	0.0	52.0	51.0	48.0
							311	5.2	23.0	0.0	57.0	57.0	55.0
							408	5.6	23.0	0.0	50.0	51.0	48.0
							Mean =	5.2	19.3	0.0	53.0	51.5	49.3
3	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	16.0 oz/a	PRE	A	103	4.9	13.0	0.0	46.0	51.0	54.0
							201	4.5	17.0	0.0	50.0	48.0	44.0
							307	4.8	17.0	2.0	39.0	44.0	42.0
							405	4.9	17.0	0.0	50.0	54.0	49.0
							Mean =	4.8	16.0	0.5	46.3	49.3	47.3
4	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	16.0 oz/a	PRE	A	104	5.2	17.0	1.0	44.0	52.0	54.0
							209	4.5	19.0	2.0	55.0	54.0	56.0
							306	5.1	17.0	0.0	48.0	44.0	48.0
							411	5.8	23.0	0.0	50.0	56.0	56.0
							Mean =	5.2	19.0	0.8	49.3	51.5	53.5
5	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	32.0 oz/a	PRE	A	105	3.8	13.0	4.0	44.0	55.0	55.0
							210	3.7	18.0	8.0	50.0	55.0	55.0
							303	3.9	13.0	13.0	50.0	63.0	58.0
							412	4.8	25.0	4.0	59.0	58.0	57.0
							Mean =	4.1	17.3	7.3	50.8	57.8	56.3
6	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	32.0 oz/a	PRE	A	106	4.9	16.0	2.0	38.0	43.0	37.0
							208	5.1	19.0	1.0	51.0	55.0	54.0
							304	5.2	19.0	2.0	55.0	57.0	54.0
							409	4.5	19.0	2.0	61.0	50.0	56.0
							Mean =	4.9	18.3	1.8	51.3	51.3	50.3
7	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	0.0 oz/a	PRE	A	107	4.7	17.0	0.0	33.0	39.0	36.0
							205	3.9	17.0	0.0	52.0	53.0	48.0
							310	5.4	21.0	0.0	52.0	62.0	60.0
							401	4.8	18.0	0.0	55.0	50.0	54.0
							Mean =	4.7	18.3	0.0	48.0	51.0	49.5
8	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	0.0 oz/a	PRE	A	108	5.4	18.0	0.0	50.0	42.0	45.0
							206	4.4	16.0	0.0	36.0	46.0	45.0
							302	4.9	15.0	0.0	53.0	55.0	56.0
							404	5.0	21.0	0.0	54.0	56.0	56.0
							Mean =	4.9	17.5	0.0	48.3	49.8	50.5
9	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	16.0 oz/a	PRE	A	109	4.4	14.0	0.0	54.0	51.0	57.0
							212	3.8	13.0	0.0	65.0	65.0	64.0
							301	4.1	15.0	1.0	57.0	50.0	52.0
							410	5.1	23.0	0.0	57.0	58.0	60.0
							Mean =	4.4	16.3	0.3	58.3	56.0	58.3
10	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	16.0 oz/a	PRE	A	110	5.6	17.0	0.0	51.0	57.0	51.0
							211	5.4	19.0	0.0	56.0	55.0	60.0
							308	5.3	22.0	0.0	45.0	43.0	44.0
							402	4.6	19.0	0.0	52.0	62.0	58.0
							Mean =	5.2	19.3	0.0	51.0	54.3	53.3
11	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	32.0 oz/a	PRE	A	111	4.5	13.0	0.0	46.0	43.0	50.0
							207	3.8	14.0	4.0	42.0	38.0	38.0
							305	4.5	15.0	0.0	50.0	53.0	52.0
							403	5.5	20.0	0.0	62.0	55.0	60.0
							Mean =	4.6	15.5	1.0	50.0	47.3	50.0
12	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	32.0 oz/a	PRE	A	112	5.8	21.0	0.0	61.0	64.0	60.0
							202	4.4	18.0	0.0	51.0	51.0	50.0
							309	4.7	21.0	0.0	57.0	55.0	53.0
							406	5.1	19.0	5.0	52.0	46.0	45.0
							Mean =	5.0	19.8	1.3	55.3	54.0	52.0

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Weed Code							-----	-----	-----	-----	-----		
Crop Code							ZEAMA	ZEAMA	ZEAMA	ZEAMA	ZEAMA		
Part Rated							PLANT -	PLANT -	PLANT -	PLOT -	PLOT -		
Rating Data Type							HGT4	HGT5	HGT-AVG	YIELD	YIELD		
Rating Unit							INCHES	INCHES	INCHES	LBS/PLOT	BU/A		
Rating Date							May-19-17	May-19-17	May-19-17	Aug-21-17	Aug-21-17		
PRM Data Type									T2		TY3		
# Subsamples, Dec.									- 0		- 0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Plot	14	15	16	17	18
1	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	0.0 oz/a	PRE	A	101	44.0	49.0	46	45.0	234	
							203	50.0	52.0	53	44.0	229	
							312	57.0	54.0	55	46.0	239	
							407	38.0	42.0	42	46.0	239	
							Mean =	47.3	49.3	49	45.3	235	
2	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	0.0 oz/a	PRE	A	102	46.0	39.0	46	42.0	218	
							204	44.0	52.0	49	43.0	223	
							311	55.0	62.0	57	43.0	223	
							408	56.0	52.0	51	48.0	249	
							Mean =	50.3	51.3	51	44.0	229	
3	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	16.0 oz/a	PRE	A	103	53.0	52.0	51	44.0	229	
							201	52.0	48.0	48	44.0	229	
							307	45.0	39.0	42	41.0	213	
							405	53.0	55.0	52	47.0	244	
							Mean =	50.8	48.5	48	44.0	229	
4	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	16.0 oz/a	PRE	A	104	53.0	55.0	52	.	.	
							209	52.0	51.0	54	43.0	223	
							306	51.0	40.0	46	45.0	234	
							411	57.0	52.0	54	46.0	239	
							Mean =	53.3	49.5	51	44.7	232	
5	APRIL 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	32.0 oz/a	PRE	A	105	52.0	46.0	50	44.0	229	
							210	54.0	54.0	54	47.0	244	
							303	62.0	60.0	59	42.0	218	
							412	58.0	58.0	58	42.0	218	
							Mean =	56.5	54.5	55	43.8	227	
6	APRIL 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	32.0 oz/a	PRE	A	106	41.0	40.0	40	42.0	218	
							208	51.0	48.0	52	41.0	213	
							304	55.0	52.0	55	46.0	239	
							409	57.0	57.0	56	47.0	244	
							Mean =	51.0	49.3	51	44.0	229	
7	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	0.0 oz/a	PRE	A	107	38.0	39.0	37	42.0	218	
							205	47.0	43.0	49	42.0	218	
							310	58.0	56.0	58	43.0	223	
							401	55.0	53.0	53	43.0	223	
							Mean =	49.5	47.8	49	42.5	221	
8	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	0.0 oz/a	PRE	A	108	50.0	49.0	47	44.0	229	
							206	40.0	42.0	42	45.0	234	
							302	50.0	51.0	53	43.0	223	
							404	52.0	55.0	55	44.0	229	
							Mean =	48.0	49.3	49	44.0	229	
9	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	16.0 oz/a	PRE	A	109	50.0	54.0	53	48.0	249	
							212	59.0	62.0	63	45.0	234	
							301	54.0	53.0	53	42.0	218	
							410	61.0	53.0	58	48.0	249	
							Mean =	56.0	55.5	57	45.8	238	
10	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	16.0 oz/a	PRE	A	110	53.0	52.0	53	46.0	239	
							211	55.0	63.0	58	47.0	244	
							308	49.0	47.0	46	44.0	229	
							402	59.0	54.0	57	45.0	234	
							Mean =	54.0	54.0	53	45.5	236	
11	MAY 2016 BRAKE F16 CORN - NO - TILL	2.7	SL	32.0 oz/a	PRE	A	111	52.0	49.0	48	40.0	208	
							207	44.0	39.0	40	46.0	239	
							305	58.0	59.0	54	40.0	208	
							403	55.0	54.0	57	42.0	218	
							Mean =	52.3	50.3	50	42.0	218	
12	MAY 2016 BRAKE F16 CORN - STRIP-TILL	2.7	SL	32.0 oz/a	PRE	A	112	57.0	55.0	59	46.0	239	
							202	49.0	52.0	51	45.0	234	
							309	56.0	54.0	55	47.0	244	
							406	47.0	46.0	47	46.0	239	
							Mean =	52.3	51.8	53	46.0	239	

University of Georgia

FIELD CORN RESPONSE TO BRAKE F16 APPLIED TO BARE-GROUND
THE PREVIOUS YEAR

Trial ID: CN-01-17 Study Dir.: KYLE BRISCOE
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

PRM Data Type

T1 = (([3]+[4]+[5]+[6]+[7])/5)

T2 = (([11]+[12]+[13]+[14]+[15])/5)

TY3 = 5.194306*[17]