

University of Georgia

GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX

YEAR 2 (APPLIED 94 DBP)

Trial ID: GS-01-20 Study Dir.: CHAD ABBOTT

Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4

Plots: 6 by 25 feet

Appl. Amount: 15 GAL/AC

Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	202	307	408
2	SINBAR	80 WG		1.0 oz/a	PRE	A		0.7489 g/mx	1499.3 mL	102	210	305	402
3	SINBAR	80 WG		2.0 oz/a	PRE	A		1.498 g/mx	1498.5 mL	103	204	303	406
4	SINBAR	80 WG		3.0 oz/a	PRE	A		2.247 g/mx	1497.8 mL	104	206	302	404
5	SINBAR	80 WG		4.0 oz/a	PRE	A		2.996 g/mx	1497.0 mL	105	203	306	411
6	REFLEX	2 SL		2.0 oz/a	PRE	A		1.562 mL/mx	1498.4 mL	106	205	301	403
7	REFLEX	2 SL		4.0 oz/a	PRE	A		3.125 mL/mx	1496.9 mL	107	208	311	407
8	REFLEX	2 SL		8.0 oz/a	PRE	A		6.249 mL/mx	1493.8 mL	108	209	308	410
9	REFLEX	2 SL		12.0 oz/a	PRE	A		9.374 mL/mx	1490.6 mL	109	207	309	401
10	REFLEX	2 SL		16.0 oz/a	PRE	A		12.5 mL/mx	1487.5 mL	110	211	310	405
11	NTC								-	111	201	304	409

Sort Order: Treatment

Trial Comments

MAINTAINED WEED-FREE

DUAL MAGNUM @ 21 OZ/A APPLIED OVER WHOLE TEST - APRIL 17

ROUNDUP @ 32 OZ/A + ATRAZINE @ 32 OZ/A OVER WHOLE TEST - MAY 14

ROUNDUP @ 32 OZ/A + LIBERTY @ 32 OZ/A - JUNE 10

ROUNDUP @ 64 OZ/A - JULY 1

GRAMOXONE @ 48 OZ/A - JULY 8

GRAMOXONE @ 32 OZ/A + DUAL MAGNUM @ 16 OZ/A - JULY 20 (AFTER PLANTING)

ATRAZINE @ 32 OZ/A + DUAL MAGNUM @ 16 OZ/A + NIS @ 0.25% V/V - AUGUST 4

127 LBS/A NITROGEN-SIDEDRESS (AUGUST 18)

HARVEST DATE: NOVEMBER 5

HARVEST MOISTURE: 20.15%

YIELDS ADJUSTED TO 13% MOISTURE.

LAST TILLAGE ON APRIL 15, 2020

ANTHRACNOSE WAS MAJOR PROBLEM AND CAUSED SIGNIFICANT YIELD REDUCTIONS COMPARED TO 2019 TEST.

SUMMARY:

1) SINBAR APPLIED 94 DBP HAD NO EFFECT ON SORGHUM.

2) REFLEX APPLIED 94 DBP CAUSED LEAF NECROSIS AND SLIGHT STUNTING BUT SORGHUM YIELDS WERE NOT REDUCED.

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX

YEAR 2 (APPLIED 94 DBP)

Trial ID: GS-01-20 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: CHAD ABBOTT

Title: _____

Affiliation: _____

Postal Code: _____

Investigator: Eric P. Prostko

Title: _____

Affiliation: _____

Postal Code: _____

Trial Status: E

Initiation Date: _____

Country: _____

City: _____

State/Prov.: _____

Postal Code: _____

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

Objective: _____

Conclusions: _____

CROP AND PEST DESCRIPTION

Weed 1. _____

2. _____

Crop 1: SORBI SORGHUM

Variety: DKS37-07

Planting Date: Jul-20-20

Planting Method: MONOSEM

Rate: 87000 SEED/A

Depth: 1.5 IN

Perennial Age: _____

Row Spacing: 36 IN

Seed Bed: _____

Soil Temperature: _____

Soil Moisture: dDRY

Emergence Date: _____

Plot Width, Unit: 6 FT

Plot Length, Unit: 25 FT

Reps: 4

Site Type: _____

Tillage Type: CONVENTIONAL

Study Design: RACOB

Trial Initiation Comments: 600 LBS/A 5-16-30 PREPLANT; 1 TON/A LIME

PREPLANT; CONCEPT II AND PONCHO TREATED SORGHUM SEED

Previous: Crops

Pesticides

Year

1. FIELD CORN

2019

MAINTENANCE

Field Prep./Maintenance: _____

Form

Form

Form

Rate

No. Date

Treatment Name

Conc

Unit

Type

Rate

Unit

1. _____

SOIL DESCRIPTION

Texture: SAND

% OM: 0.77

% Sand: 92

% Silt: 6

% Clay: 2

pH: 6.0

CEC: 2.6

Soil Name: TIFTON

Fertility Level:

GOOD

MOISTURE CONDITIONS

On: Date Time Amount Unit Type Interval Unit

1. May-14-20 0.5 IN SPRINKLER - LATERAL MOVE

2. May-17-20 0.11 IN RAINFALL

3. May-20-20 1.3 IN RAINFALL

4. May-22-20 1.2 IN RAINFALL

5. May-26-20 0.26 IN RAINFALL

6. May-28-20 0.41 IN RAINFALL

7. May-29-20 0.19 IN RAINFALL

8. Jun-6-20 0.07 IN RAINFALL

9. Jun-7-20 0.59 IN RAINFALL

10. Jun-9-20 0.15 IN RAINFALL

11. Jun-12-20 2.67 IN RAINFALL

12. Jun-22-20 0.61 IN RAINFALL

13. Jun-24-20 0.65 IN SPRINKLER - LATERAL MOVE

14. Jun-29-20 0.65 IN SPRINKLER - LATERAL MOVE

15. Jul-5-20 0.5 IN RAINFALL

16. Jul-6-20 0.5 IN RAINFALL

17. Jul-15-20 0.5 IN SPRINKLER - LATERAL MOVE

18. Jul-21-20 0.5 IN SPRINKLER - LATERAL MOVE

19. Jul-22-20 0.7 IN SPRINKLER - LATERAL MOVE

20. Jul-24-20 0.75 IN SPRINKLER - LATERAL MOVE

21. Jul-27-20 0.75 IN SPRINKLER - LATERAL MOVE

22. _____

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX

YEAR 2 (APPLIED 94 DBP)

Trial ID: GS-01-20 Study Dir.: CHAD ABBOTT
 Location: PONDER FARM Investigator: Eric P. Prostko

Overall Moisture Conditions:

Closest Weather Station: _____ Distance: _____ Unit: _____

		APPLICATION DESCRIPTION					
		A	B	C	D	E	F
Application Date:	Apr-17-20						
Time of Day:	7:00 AM						
Application Method:	BROADCAST						
Application Timing:	PRE						
Applic. Placement:	SOIL						
Air Temp., Unit:	47 F						
% Relative Humidity:							
Wind Velocity, Unit:	1 MPH						
Dew Presence (Y/N):	N						
Water Hardness:	--						
Soil Temp., Unit:	64 F						
Soil Moisture:	OPTIMUM						
% Cloud Cover:	0						

		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: SORBI						
Stage Scale:							
Height, Unit:							

		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						
Operating Pressure:	30						
Nozzle Type:	AIXR						
Nozzle Size:	11002						
Nozzle Spacing, Unit:	15 IN						
Nozzles/Row:	2						
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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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX									
YEAR 2 (APPLIED 94 DBP)									
Trial ID:	GS-01-20	Study Dir.:	CHAD ABBOTT						
Location:	PONDER FARM	Investigator:	Eric P. Prostko						
Weed Code	-----	-----	-----	-----	-----	-----	-----	-----	-----
Crop Code	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi
Part Rated	Plant -	Leaf -	Leaf -	Fresh -	Stand -	Fresh -	Plant -	Stand -	Plant -
Rating Data Type	Stand	Necrosis	Necrosis	Weight	Plants	Weight	Stand	Plant	Stand
Rating Unit	#/3 ft	Percent	Percent	g/3 ft	#/3 ft	g/plant	Plant/3f	Plant/3f	Plant/3f
Rating Date	Jul-28-20	Jul-28-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-11-20	Aug-11-20	Aug-11-20
Trt-Eval Interval	102 DA-A	102 DA-A	108 DA-A	108 DA-A	108 DA-A	108 DA-A	108 DA-A	108 DA-A	108 DA-A
PRM Data Type									
# Subsamples, Dec.						T1			
	- 1								
Trt Treatment Form Form	Rate Grow Appl								
No. Name	Conc Type Rate Unit Stg Code								
1 NTC	16.8 a	0.0 b	0.0 c	14.28 a	16.0 a	0.9 a	16.3 a		
2 SINBAR 80 WG 1.0 oz/a PRE A	15.3 a	0.0 b	0.0 c	10.53 a	16.0 a	0.7 a	17.0 a		
3 SINBAR 80 WG 2.0 oz/a PRE A	16.0 a	0.0 b	0.0 c	11.23 a	17.0 a	0.7 a	17.0 a		
4 SINBAR 80 WG 3.0 oz/a PRE A	15.0 a	0.0 b	0.0 c	13.65 a	16.5 a	0.8 a	17.5 a		
5 SINBAR 80 WG 4.0 oz/a PRE A	17.8 a	0.0 b	0.0 c	16.50 a	18.5 a	0.9 a	17.5 a		
6 REFLEX 2 SL 2.0 oz/a PRE A	17.3 a	1.3 b	0.0 c	13.50 a	17.3 a	0.8 a	15.5 a		
7 REFLEX 2 SL 4.0 oz/a PRE A	17.3 a	1.3 b	0.0 c	14.08 a	17.8 a	0.8 a	15.3 a		
8 REFLEX 2 SL 8.0 oz/a PRE A	15.8 a	0.0 b	3.8 b	14.77 a	18.0 a	0.8 a	17.0 a		
9 REFLEX 2 SL 12.0 oz/a PRE A	16.0 a	1.3 b	6.3 b	16.83 a	16.3 a	1.0 a	14.5 a		
10 REFLEX 2 SL 16.0 oz/a PRE A	17.5 a	3.8 a	15.0 a	11.93 a	17.3 a	0.7 a	14.0 a		
11 NTC	17.8 a	0.0 b	0.0 c	17.40 a	17.5 a	1.0 a	16.3 a		
LSD P=.10	2.18	1.75	3.72	4.030	2.36	0.25	3.21		
Standard Deviation	1.82	1.46	3.10	3.346	1.97	0.21	2.68		
CV	10.98	213.61	136.21	23.8	11.51	25.29	16.56		
Grand Mean	16.57	0.68	2.27	14.062	17.09	0.82	16.16		
Bartlett's X2	10.24	0.00	5.059	14.527	18.623	14.328	17.28		
P(Bartlett's X2)	0.42	.	0.08	0.15	0.045*	0.159	0.068		

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.

Missing data estimates are included in columns: Average=4,6

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX YEAR 2 (APPLIED 94 DBP)							
Trial ID: GS-01-20		Study Dir.: CHAD ABBOTT					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	-----	-----	-----	-----	-----	-----	-----
Crop Code	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	SORBI	Sorbi
Part Rated						PLANT -	Plant -
Rating Data Type	Ht1	Ht2	Ht3	Ht4	Ht5	HGT-AVG	Stunting
Rating Unit	In	In	In	In	In	IN	Percent
Rating Date	Aug-11-20	Aug-11-20	Aug-11-20	Aug-11-20	Aug-11-20	Aug-11-20	Aug-31-20
Trt-Eval Interval	116 DA-A	116 DA-A	116 DA-A	116 DA-A	116 DA-A	116 DA-A	136 DA-A
PRM Data Type						T2	
# Subsamples, Dec.						- 1	
Trt Treatment Form Form Rate Grow Appl							
No. Name Conc Type Rate Unit Stg Code	8	9	10	11	12	13	14
1 NTC	5.00 a	5.75 a	5.13 a	5.25 cd	5.50 a	5.3 abc	0.0 b
2 SINBAR 80 WG 1.0 oz/a PRE A	5.00 a	5.63 a	5.63 a	5.75 bc	5.13 a	5.4 ab	1.3 b
3 SINBAR 80 WG 2.0 oz/a PRE A	4.63 a	4.38 a	4.50 a	4.63 d	4.50 a	4.5 c	0.0 b
4 SINBAR 80 WG 3.0 oz/a PRE A	4.75 a	5.38 a	5.25 a	4.63 d	5.50 a	5.1 bc	0.0 b
5 SINBAR 80 WG 4.0 oz/a PRE A	4.75 a	4.38 a	4.75 a	5.50 cd	5.38 a	5.0 bc	1.3 b
6 REFLEX 2 SL 2.0 oz/a PRE A	5.25 a	5.50 a	5.63 a	5.75 bc	6.13 a	5.7 ab	1.3 b
7 REFLEX 2 SL 4.0 oz/a PRE A	6.00 a	5.63 a	6.50 a	6.50 ab	5.63 a	6.1 a	0.0 b
8 REFLEX 2 SL 8.0 oz/a PRE A	6.13 a	5.88 a	6.25 a	5.88 abc	6.25 a	6.1 a	0.0 b
9 REFLEX 2 SL 12.0 oz/a PRE A	5.75 a	6.00 a	5.50 a	6.75 a	6.63 a	6.1 a	1.3 b
10 REFLEX 2 SL 16.0 oz/a PRE A	5.50 a	5.50 a	5.50 a	5.38 cd	5.75 a	5.5 ab	3.8 a
11 NTC	4.63 a	4.75 a	4.88 a	4.75 d	5.00 a	4.8 bc	0.0 b
LSD P=.10	1.092	1.161	1.199	0.894	1.391	0.87	2.05
Standard Deviation	0.910	0.967	0.999	0.745	1.159	0.72	1.71
CV	17.44	18.11	18.47	13.49	20.77	13.38	214.7
Grand Mean	5.216	5.341	5.409	5.523	5.580	5.41	0.80
Bartlett's X2	9.081	2.426	7.397	12.837	4.558	5.456	2.398
P(Bartlett's X2)	0.524	0.992	0.687	0.233	0.919	0.859	0.663

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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Missing data estimates are included in columns: Average=4,6

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX YEAR 2 (APPLIED 94 DBP)							
Trial ID: GS-01-20		Study Dir.: CHAD ABBOTT					
Location: PONDER FARM		Investigator: Eric P. Probstko					
Weed Code	----	----	----	----	----	----	----
Crop Code	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi
Part Rated	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -	Plant -
Rating Data Type	Necrosis	Ht1	Ht2	Ht3	Ht4	Ht5	HGT-AVG
Rating Unit	Percent	In	In	In	In	In	In
Rating Date	Aug-31-20	Sep-22-20	Sep-22-20	Sep-22-20	Sep-22-20	Sep-22-20	Sep-22-20
Trt-Eval Interval	136 DA-A	158 DA-A	158 DA-A	158 DA-A	158 DA-A	158 DA-A	158 DA-A
PRM Data Type							T3
# Subsamples, Dec.							- 1
Trt Treatment Form Form Rate Grow Appl							
No. Name Conc Type Rate Unit Stg Code	15	16	17	18	19	20	21
1 NTC	0.0 c	42.0 a	43.0 a	43.5 e	44.3 d	45.0 c	43.6 c
2 SINBAR 80 WG 1.0 oz/a PRE A	2.5 c	45.8 a	46.5 a	47.3 bcd	49.5 abc	50.3 ab	47.9 ab
3 SINBAR 80 WG 2.0 oz/a PRE A	0.0 c	42.3 a	44.8 a	45.3 de	47.0 cd	47.5 bc	45.4 bc
4 SINBAR 80 WG 3.0 oz/a PRE A	0.0 c	45.3 a	46.8 a	47.8 a-d	49.3 abc	50.3 ab	47.9 ab
5 SINBAR 80 WG 4.0 oz/a PRE A	0.0 c	44.0 a	44.8 a	46.3 cde	47.3 bcd	47.5 bc	46.0 bc
6 REFLEX 2 SL 2.0 oz/a PRE A	1.3 c	43.3 a	44.3 a	45.0 de	47.0 cd	48.0 bc	45.5 bc
7 REFLEX 2 SL 4.0 oz/a PRE A	0.0 c	49.0 a	49.5 a	50.0 ab	51.8 a	52.5 a	50.6 a
8 REFLEX 2 SL 8.0 oz/a PRE A	2.5 c	46.3 a	48.0 a	49.0 abc	50.0 abc	50.3 ab	48.7 ab
9 REFLEX 2 SL 12.0 oz/a PRE A	6.3 b	48.5 a	49.8 a	51.3 a	51.0 ab	52.0 a	50.5 a
10 REFLEX 2 SL 16.0 oz/a PRE A	12.5 a	46.3 a	47.3 a	48.5 a-d	49.8 abc	48.8 abc	48.1 ab
11 NTC	0.0 c	44.8 a	46.3 a	45.3 de	46.3 cd	46.8 bc	45.9 bc
LSD P=.10	3.58	4.84	4.07	3.59	3.87	3.86	3.83
Standard Deviation	2.98	4.03	3.39	2.99	3.22	3.22	3.19
CV	131.28	8.92	7.31	6.34	6.65	6.57	6.75
Grand Mean	2.27	45.20	46.43	47.18	48.45	48.98	47.25
Bartlett's X2	3.187	3.857	4.965	3.213	4.582	5.75	3.856
P(Bartlett's X2)	0.527	0.954	0.894	0.976	0.917	0.836	0.954

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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Missing data estimates are included in columns: Average=4,6

University of Georgia

GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX									
YEAR 2 (APPLIED 94 DBP)									
Trial ID:		GS-01-20		Study Dir.:		CHAD ABBOTT			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code				-----		-----			
Crop Code				SORBI		SORBI			
Part Rated				PLOT -		PLOT -			
Rating Data Type				YIELD		YIELD			
Rating Unit				LBS/PLOT		BU/A			
Rating Date				Nov-5-20		Nov-5-20			
Trt-Eval Interval				202 DA-A		202 DA-A			
PRM Data Type						TY4			
# Subsamples, Dec.				- 1		- 0			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code		
						22	23		
1	NTC					4.3 a	21 a		
2	SINBAR	80 WG		1.0 oz/a	PRE A	4.5 a	21 a		
3	SINBAR	80 WG		2.0 oz/a	PRE A	4.2 a	20 a		
4	SINBAR	80 WG		3.0 oz/a	PRE A	4.6 a	22 a		
5	SINBAR	80 WG		4.0 oz/a	PRE A	4.3 a	20 a		
6	REFLEX	2 SL		2.0 oz/a	PRE A	4.7 a	22 a		
7	REFLEX	2 SL		4.0 oz/a	PRE A	5.2 a	25 a		
8	REFLEX	2 SL		8.0 oz/a	PRE A	5.4 a	26 a		
9	REFLEX	2 SL		12.0 oz/a	PRE A	5.3 a	25 a		
10	REFLEX	2 SL		16.0 oz/a	PRE A	5.6 a	26 a		
11	NTC					4.7 a	22 a		
LSD P=.10						1.11	5.3		
Standard Deviation						0.93	4.4		
CV						19.42	19.42		
Grand Mean						4.78	22.8		
Bartlett's X2						9.059	9.059		
P(Bartlett's X2)						0.527	0.527		

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.

Missing data estimates are included in columns: Average=4,6

University of Georgia

GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX YEAR 2 (APPLIED 94 DBP)					
Trial ID:	GS-01-20	Study Dir.:	CHAD ABBOTT		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Stand #/3 ft Jul-28-20 102 DA-A (Data Column 1)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	166.795455			
Replicate	3	26.977273	8.992424	2.717	0.0621
Treatment	10	40.545455	4.054545	1.225	0.3153
Error	30	99.272727	3.309091		
Randomized Complete Block (RCB) AOV For ----- Sorbi Leaf Necrosis Percent Jul-28-20 102 DA-A (Data Column 2)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	129.545455			
Replicate	3	11.363636	3.787879	1.786	0.1711
Treatment	10	54.545455	5.454545	2.571	0.0222
Error	30	63.636364	2.121212		
Randomized Complete Block (RCB) AOV For ---- Sorbi Leaf Necrosis Percent Aug-3-20 108 DA-A (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	1222.727273			
Replicate	3	50.000000	16.666667	1.739	0.1802
Treatment	10	885.227273	88.522727	9.237	0.0001
Error	30	287.500000	9.583333		
Randomized Complete Block (RCB) AOV For ---- Sorbi Fresh Weight g/3 ft Aug-3-20 108 DA-A (Data Column 4)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	40	590.410202			
Replicate	3	85.025758	28.341919	2.531	0.0782
Treatment	10	203.070202	20.307020	1.814	0.1063
Error	27	302.314242	11.196824		
Randomized Complete Block (RCB) AOV For ---- Sorbi Stand Plants #/3 ft Aug-3-20 108 DA-A (Data Column 5)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	169.636364			
Replicate	3	26.000000	8.666667	2.241	0.1038
Treatment	10	27.636364	2.763636	0.715	0.7040
Error	30	116.000000	3.866667		
Randomized Complete Block (RCB) AOV For ---- Sorbi Fresh Weight g/plant Aug-3-20 108 DA-A T1 1 (Data Column 6)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	40	2.017195			
Replicate	3	0.174787	0.058262	1.341	0.2820
Treatment	10	0.669003	0.066900	1.539	0.1795
Error	27	1.173405	0.043459		
Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Stand Plant/3f Aug-11-20 116 DA-A (Data Column 7)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	281.886364			
Replicate	3	9.522727	3.174242	0.443	0.7237
Treatment	10	57.636364	5.763636	0.805	0.6252
Error	30	214.727273	7.157576		
Randomized Complete Block (RCB) AOV For ----- Sorbi Ht1 In Aug-11-20 116 DA-A (Data Column 8)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	78.698864			
Replicate	3	41.744318	13.914773	16.820	0.0001
Treatment	10	12.136364	1.213636	1.467	0.2003
Error	30	24.818182	0.827273		
Randomized Complete Block (RCB) AOV For ----- Sorbi Ht2 In Aug-11-20 116 DA-A (Data Column 9)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	79.886364			
Replicate	3	38.568182	12.856061	13.746	0.0001
Treatment	10	13.261364	1.326136	1.418	0.2201
Error	30	28.056818	0.935227		
Randomized Complete Block (RCB) AOV For ----- Sorbi Ht3 In Aug-11-20 116 DA-A (Data Column 10)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	61.136364			
Replicate	3	16.545455	5.515152	5.524	0.0038
Treatment	10	14.636364	1.463636	1.466	0.2008
Error	30	29.954545	0.998485		

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX YEAR 2 (APPLIED 94 DBP)					
Trial ID:	GS-01-20	Study Dir.:	CHAD ABBOTT		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- Sorbi Ht4 In Aug-11-20 116 DA-A (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	67.977273			
Replicate	3	31.340909	10.446970	18.813	0.0001
Treatment	10	19.977273	1.997727	3.598	0.0031
Error	30	16.659091	0.555303		
Randomized Complete Block (RCB) AOV For ----- Sorbi Ht5 In Aug-11-20 116 DA-A (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	89.471591			
Replicate	3	34.653409	11.551136	8.602	0.0003
Treatment	10	14.534091	1.453409	1.082	0.4056
Error	30	40.284091	1.342803		
Randomized Complete Block (RCB) AOV For ----- SORBI PLANT HGT-AVG IN Aug-11-20 116 DA-A T2 1 (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	58.851818			
Replicate	3	31.491818	10.497273	20.003	0.0001
Treatment	10	11.616818	1.161682	2.214	0.0453
Error	30	15.743182	0.524773		
Randomized Complete Block (RCB) AOV For ---- Sorbi Plant Stunting Percent Aug-31-20 136 DA-A (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	197.159091			
Replicate	3	56.250000	18.750000	6.429	0.0017
Treatment	10	53.409091	5.340909	1.831	0.0977
Error	30	87.500000	2.916667		
Randomized Complete Block (RCB) AOV For ---- Sorbi Plant Necrosis Percent Aug-31-20 136 DA-A (Data Column 15)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	922.727273			
Replicate	3	45.454545	15.151515	1.702	0.1877
Treatment	10	610.227273	61.022727	6.855	0.0001
Error	30	267.045455	8.901515		
Randomized Complete Block (RCB) AOV For ---- Sorbi Plant Ht1 In Sep-22-20 158 DA-A (Data Column 16)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	899.159091			
Replicate	3	202.977273	67.659091	4.166	0.0140
Treatment	10	208.909091	20.890909	1.286	0.2820
Error	30	487.272727	16.242424		
Randomized Complete Block (RCB) AOV For ---- Sorbi Plant Ht2 In Sep-22-20 158 DA-A (Data Column 17)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	746.795455			
Replicate	3	217.886364	72.628788	6.309	0.0019
Treatment	10	183.545455	18.354545	1.594	0.1563
Error	30	345.363636	11.512121		
Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Ht3 In Sep-22-20 158 DA-A (Data Column 18)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	786.545455			
Replicate	3	292.363636	97.454545	10.904	0.0001
Treatment	10	226.045455	22.604545	2.529	0.0241
Error	30	268.136364	8.937879		
Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Ht4 In Sep-22-20 158 DA-A (Data Column 19)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	782.909091			
Replicate	3	265.636364	88.545455	8.518	0.0003
Treatment	10	205.409091	20.540909	1.976	0.0731
Error	30	311.863636	10.395455		
Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Ht5 In Sep-22-20 158 DA-A (Data Column 20)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	826.977273			
Replicate	3	305.886364	101.962121	9.840	0.0001
Treatment	10	210.227273	21.022727	2.029	0.0657
Error	30	310.863636	10.362121		

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX YEAR 2 (APPLIED 94 DBP)					
Trial ID:	GS-01-20	Study Dir.:	CHAD ABBOTT		
Location:	PONDER FARM	Investigator:	Eric P. Prostko		
Randomized Complete Block (RCB) AOV For ----- Sorbi Plant HGT-AVG In Sep-22-20 158 DA-A T3 1 (Data Column 21)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	752.890000			
Replicate	3	251.631818	83.877273	8.244	0.0004
Treatment	10	196.040000	19.604000	1.927	0.0806
Error	30	305.218182	10.173939		
Randomized Complete Block (RCB) AOV For ----- SORBI PLOT YIELD LBS/PLOT Nov-5-20 202 DA-A 1 (Data Column 22)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	53.878864			
Replicate	3	18.413409	6.137803	7.114	0.0010
Treatment	10	9.581364	0.958136	1.110	0.3865
Error	30	25.884091	0.862803		
Randomized Complete Block (RCB) AOV For ----- SORBI PLOT YIELD BU/A Nov-5-20 202 DA-A TY4 0 (Data Column 23)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	43	1220.525703			
Replicate	3	417.121623	139.040541	7.114	0.0010
Treatment	10	217.048018	21.704802	1.110	0.3865
Error	30	586.356061	19.545202		
<u>Part Rated</u>					
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)					
Leaf = LEAF / FOLIAGE					
<u>PRM Data Type</u>					
T1 = [4]/[5]					
T2 = ([8]+[9]+[10]+[11]+[12])/5					
T3 = ([16]+[17]+[18]+[19]+[20])/5					
TY4 = 4.759532*[22]					

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX									
YEAR 2 (APPLIED 94 DBP)									
Trial ID: GS-01-20		Study Dir.: CHAD ABBOTT							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code		-----	-----	-----	-----	-----	-----	-----	-----
Crop Code		Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi
Part Rated		Plant -	Leaf -	Leaf -	Fresh -	Stand -	Fresh -	Plant -	Plant -
Rating Data Type		Stand	Necrosis	Necrosis	Weight	Plants	Weight	Stand	Stand
Rating Unit		#/3 ft	Percent	Percent	g/3 ft	#/3 ft	g/plant	Plant/3f	Plant/3f
Rating Date		Jul-28-20	Jul-28-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-11-20	Aug-11-20
Trt-Eval Interval		102 DA-A	102 DA-A	108 DA-A	108 DA-A	108 DA-A	108 DA-A	116 DA-A	116 DA-A
PRM Data Type									
# Subsamples, Dec.							T1 - 1		
Trt Treatment Form Form	Rate Grow Appl								
No. Name	Conc Type Rate Unit Stg Code Plot	1	2	3	4	5	6	7	
1 NTC	101	15.0	0.0	0.0	16.70	14.0	1.2	16.0	
	202	16.0	0.0	0.0	16.80	16.0	1.1	19.0	
	307	19.0	0.0	0.0	15.90	17.0	0.9	14.0	
	408	17.0	0.0	0.0	7.70	17.0	0.5	16.0	
	Mean =	16.8	0.0	0.0	14.28	16.0	0.9	16.3	
2 SINBAR 80 WG 1.0 oz/a PRE A	102	14.0	0.0	0.0	.	15.0	.	16.0	
	210	15.0	0.0	0.0	12.10	16.0	0.8	14.0	
	305	19.0	0.0	0.0	10.20	19.0	0.5	23.0	
	402	13.0	0.0	0.0	9.30	14.0	0.7	15.0	
	Mean =	15.3	0.0	0.0	10.53	16.0	0.7	17.0	
3 SINBAR 80 WG 2.0 oz/a PRE A	103	15.0	0.0	0.0	10.30	15.0	0.7	15.0	
	204	14.0	0.0	0.0	11.80	17.0	0.7	15.0	
	303	16.0	0.0	0.0	.	17.0	.	20.0	
	406	19.0	0.0	0.0	11.60	19.0	0.6	18.0	
	Mean =	16.0	0.0	0.0	11.23	17.0	0.7	17.0	
4 SINBAR 80 WG 3.0 oz/a PRE A	104	16.0	0.0	0.0	10.20	17.0	0.6	23.0	
	206	15.0	0.0	0.0	19.20	17.0	1.1	16.0	
	302	14.0	0.0	0.0	9.60	15.0	0.6	17.0	
	404	15.0	0.0	0.0	15.60	17.0	0.9	14.0	
	Mean =	15.0	0.0	0.0	13.65	16.5	0.8	17.5	
5 SINBAR 80 WG 4.0 oz/a PRE A	105	15.0	0.0	0.0	14.50	15.0	1.0	19.0	
	203	19.0	0.0	0.0	17.00	23.0	0.7	18.0	
	306	16.0	0.0	0.0	14.60	14.0	1.0	16.0	
	411	21.0	0.0	0.0	19.90	22.0	0.9	17.0	
	Mean =	17.8	0.0	0.0	16.50	18.5	0.9	17.5	
6 REFLEX 2 SL 2.0 oz/a PRE A	106	15.0	0.0	0.0	10.20	15.0	0.7	17.0	
	205	16.0	5.0	0.0	15.80	16.0	1.0	14.0	
	301	17.0	0.0	0.0	12.70	18.0	0.7	18.0	
	403	21.0	0.0	0.0	15.30	20.0	0.8	13.0	
	Mean =	17.3	1.3	0.0	13.50	17.3	0.8	15.5	
7 REFLEX 2 SL 4.0 oz/a PRE A	107	18.0	0.0	0.0	14.60	17.0	0.9	16.0	
	208	16.0	0.0	0.0	19.50	21.0	0.9	15.0	
	311	17.0	5.0	0.0	8.00	16.0	0.5	15.0	
	407	18.0	0.0	0.0	14.20	17.0	0.8	15.0	
	Mean =	17.3	1.3	0.0	14.08	17.8	0.8	15.3	
8 REFLEX 2 SL 8.0 oz/a PRE A	108	14.0	0.0	0.0	.	17.0	.	17.0	
	209	15.0	0.0	5.0	15.80	19.0	0.8	18.0	
	308	17.0	0.0	5.0	12.60	18.0	0.7	16.0	
	410	17.0	0.0	5.0	15.90	18.0	0.9	17.0	
	Mean =	15.8	0.0	3.8	14.77	18.0	0.8	17.0	
9 REFLEX 2 SL 12.0 oz/a PRE A	109	15.0	0.0	5.0	16.00	16.0	1.0	15.0	
	207	17.0	0.0	0.0	15.40	17.0	0.9	18.0	
	309	17.0	5.0	20.0	18.50	17.0	1.1	14.0	
	401	15.0	0.0	0.0	17.40	15.0	1.2	11.0	
	Mean =	16.0	1.3	6.3	16.83	16.3	1.0	14.5	
10 REFLEX 2 SL 16.0 oz/a PRE A	110	15.0	5.0	15.0	11.80	16.0	0.7	13.0	
	211	18.0	5.0	10.0	10.20	16.0	0.6	14.0	
	310	16.0	5.0	20.0	15.50	17.0	0.9	13.0	
	405	21.0	0.0	15.0	10.20	20.0	0.5	16.0	
	Mean =	17.5	3.8	15.0	11.93	17.3	0.7	14.0	

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX YEAR 2 (APPLIED 94 DBP)								
Trial ID:	GS-01-20	Study Dir.:	CHAD ABBOTT					
Location:	PONDER FARM	Investigator:	Eric P. Prostko					
Weed Code	-----	Sorbi	-----	Sorbi	-----	Sorbi	-----	Sorbi
Crop Code		Plant -	Leaf -	Leaf -	Fresh -	Stand -	Fresh -	Plant -
Part Rated		Stand	Necrosis	Necrosis	Weight	Plants	Weight	Stand
Rating Data Type		#/3 ft	Percent	Percent	g/3 ft	#/3 ft	g/plant	Plant/3f
Rating Unit								
Rating Date	Jul-28-20	Jul-28-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-3-20	Aug-11-20
Trt-Eval Interval	102 DA-A	102 DA-A	108 DA-A	108 DA-A	108 DA-A	108 DA-A	108 DA-A	116 DA-A
PRM Data Type							T1	
# Subsamples, Dec.							- 1	
Trt Treatment Form Form	Rate Grow Appl							
No. Name	Conc Type Rate Unit Stg Code Plot	1	2	3	4	5	6	7
11 NTC	111	19.0	0.0	0.0	15.90	18.0	0.9	13.0
	201	17.0	0.0	0.0	25.70	17.0	1.5	13.0
	304	18.0	0.0	0.0	10.20	18.0	0.6	19.0
	409	17.0	0.0	0.0	17.80	17.0	1.0	20.0
	Mean =	17.8	0.0	0.0	17.40	17.5	1.0	16.3

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX YEAR 2 (APPLIED 94 DBP)						
Trial ID: GS-01-20		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code	-----	-----	-----	-----	-----	-----
Crop Code	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	SORBI
Part Rated						PLANT -
Rating Data Type	Ht1	Ht2	Ht3	Ht4	Ht5	HGT-AVG
Rating Unit	In	In	In	In	In	IN
Rating Date	Aug-11-20	Aug-11-20	Aug-11-20	Aug-11-20	Aug-11-20	Aug-11-20
Trt-Eval Interval	116 DA-A	116 DA-A	116 DA-A	116 DA-A	116 DA-A	116 DA-A
PRM Data Type						T2
# Subsamples, Dec.						- 1
Trt Treatment Form Form Rate Grow Appl						
No. Name Conc Type Rate Unit Stg Code Plot	8	9	10	11	12	13
1 NTC	101	5.00	5.50	4.00	5.00	4.9
	202	5.50	7.50	5.50	6.50	6.4
	307	4.00	5.00	5.50	4.50	5.0
	408	5.50	5.00	5.50	5.00	5.0
Mean =	5.00	5.75	5.13	5.25	5.50	5.3
2 SINBAR 80 WG 1.0 oz/a PRE A	102	6.00	6.00	5.50	6.00	5.7
	210	5.00	7.50	6.50	7.00	6.3
	305	3.50	4.00	4.00	5.00	4.1
	402	5.50	5.00	6.50	5.00	5.6
Mean =	5.00	5.63	5.63	5.75	5.13	5.4
3 SINBAR 80 WG 2.0 oz/a PRE A	103	6.00	4.50	5.00	4.50	5.1
	204	6.00	5.50	4.50	6.00	5.6
	303	3.00	4.00	4.50	4.50	3.9
	406	3.50	3.50	4.00	3.50	3.5
Mean =	4.63	4.38	4.50	4.63	4.50	4.5
4 SINBAR 80 WG 3.0 oz/a PRE A	104	4.50	7.00	6.00	5.00	5.5
	206	5.50	6.00	6.00	4.50	6.0
	302	5.00	4.50	5.00	4.50	4.8
	404	4.00	4.00	4.00	4.50	4.1
Mean =	4.75	5.38	5.25	4.63	5.50	5.1
5 SINBAR 80 WG 4.0 oz/a PRE A	105	5.50	5.00	6.00	6.00	5.8
	203	5.00	5.00	4.00	5.50	4.9
	306	4.00	3.00	5.00	5.50	4.3
	411	4.50	4.50	4.00	5.00	4.8
Mean =	4.75	4.38	4.75	5.50	5.38	5.0
6 REFLEX 2 SL 2.0 oz/a PRE A	106	7.00	8.00	7.00	7.50	7.4
	205	5.00	5.00	4.50	5.50	5.2
	301	5.00	5.00	5.00	4.50	4.8
	403	4.00	4.00	6.00	5.50	5.2
Mean =	5.25	5.50	5.63	5.75	6.13	5.7
7 REFLEX 2 SL 4.0 oz/a PRE A	107	9.00	8.00	8.50	8.00	8.2
	208	7.00	5.00	8.00	8.00	6.6
	311	4.00	5.00	4.50	4.50	4.4
	407	4.00	4.50	5.00	5.50	5.0
Mean =	6.00	5.63	6.50	6.50	5.63	6.1
8 REFLEX 2 SL 8.0 oz/a PRE A	108	6.50	5.50	6.00	6.50	6.1
	209	8.00	8.00	8.00	7.00	7.8
	308	5.00	4.50	5.50	5.00	5.0
	410	5.00	5.50	5.50	5.00	5.4
Mean =	6.13	5.88	6.25	5.88	6.25	6.1
9 REFLEX 2 SL 12.0 oz/a PRE A	109	7.00	7.00	7.50	8.00	7.7
	207	7.00	7.00	5.50	8.00	7.2
	309	4.00	3.50	4.00	5.00	4.2
	401	5.00	6.50	5.00	6.00	5.4
Mean =	5.75	6.00	5.50	6.75	6.63	6.1
10 REFLEX 2 SL 16.0 oz/a PRE A	110	7.50	7.50	6.50	7.00	7.0
	211	6.00	5.50	6.00	6.00	6.0
	310	4.50	5.00	5.50	4.00	5.0
	405	4.00	4.00	4.00	4.50	4.1
Mean =	5.50	5.50	5.50	5.38	5.75	5.5

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX YEAR 2 (APPLIED 94 DBP)						
Trial ID: GS-01-20		Study Dir.: CHAD ABBOTT				
Location: PONDER FARM		Investigator: Eric P. Prostko				
Weed Code	-----	-----	-----	-----	-----	-----
Crop Code	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	SORBI
Part Rated						PLANT -
Rating Data Type	Ht1	Ht2	Ht3	Ht4	Ht5	HGT-AVG
Rating Unit	ln	ln	ln	ln	ln	IN
Rating Date	Aug-11-20	Aug-11-20	Aug-11-20	Aug-11-20	Aug-11-20	Aug-11-20
Trt-Eval Interval	116 DA-A	116 DA-A	116 DA-A	116 DA-A	116 DA-A	116 DA-A
PRM Data Type						T2
# Subsamples, Dec.						- 1
Trt Treatment Form Form Rate Grow Appl						
No. Name Conc Type Rate Unit Stg Code Plot	8	9	10	11	12	13
11 NTC	111	5.50	6.00	6.50	6.00	7.00
	201	6.50	6.00	5.00	6.50	6.00
	304	3.50	4.00	4.00	3.50	3.00
	409	3.00	3.00	4.00	3.00	4.00
Mean =	4.63	4.75	4.88	4.75	5.00	4.8

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX														
YEAR 2 (APPLIED 94 DBP)														
Trial ID:		GS-01-20		Study Dir.:		CHAD ABBOTT								
Location:		PONDER FARM		Investigator:		Eric P. Prostko								
Weed Code							----	----	----	----	-----	-----		
Crop Code							Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Sorbi		
Part Rated							Plant -	Plant -	Plant -	Plant -	Plant -	Plant -		
Rating Data Type							Stunting	Necrosis	Ht1	Ht2	Ht3	Ht4		
Rating Unit							Percent	Percent	In	In	In	In		
Rating Date							Aug-31-20	Aug-31-20	Sep-22-20	Sep-22-20	Sep-22-20	Sep-22-20		
Trt-Eval Interval							136 DA-A	136 DA-A	158 DA-A	158 DA-A	158 DA-A	158 DA-A		
PRM Data Type														
# Subsamples, Dec.														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	14	15	16	17	18	19
1	NTC						101		0.0	0.0	37.0	40.0	41.0	41.0
							202		0.0	0.0	46.0	46.0	46.0	48.0
							307		0.0	0.0	45.0	45.0	46.0	46.0
							408		0.0	0.0	40.0	41.0	41.0	42.0
							Mean =		0.0	0.0	42.0	43.0	43.5	44.3
2	SINBAR	80 WG		1.0 oz/a	PRE	A	102		0.0	0.0	41.0	42.0	44.0	47.0
							210		5.0	10.0	52.0	53.0	54.0	55.0
							305		0.0	0.0	43.0	44.0	44.0	45.0
							402		0.0	0.0	47.0	47.0	47.0	51.0
							Mean =		1.3	2.5	45.8	46.5	47.3	49.5
3	SINBAR	80 WG		2.0 oz/a	PRE	A	103		0.0	0.0	40.0	45.0	45.0	45.0
							204		0.0	0.0	50.0	51.0	52.0	55.0
							303		0.0	0.0	37.0	39.0	43.0	45.0
							406		0.0	0.0	42.0	44.0	41.0	43.0
							Mean =		0.0	0.0	42.3	44.8	45.3	47.0
4	SINBAR	80 WG		3.0 oz/a	PRE	A	104		0.0	0.0	49.0	50.0	50.0	51.0
							206		0.0	0.0	48.0	48.0	51.0	52.0
							302		0.0	0.0	45.0	47.0	47.0	48.0
							404		0.0	0.0	39.0	42.0	43.0	46.0
							Mean =		0.0	0.0	45.3	46.8	47.8	49.3
5	SINBAR	80 WG		4.0 oz/a	PRE	A	105		0.0	0.0	48.0	49.0	50.0	50.0
							203		5.0	0.0	42.0	43.0	46.0	48.0
							306		0.0	0.0	44.0	44.0	46.0	47.0
							411		0.0	0.0	42.0	43.0	43.0	44.0
							Mean =		1.3	0.0	44.0	44.8	46.3	47.3
6	REFLEX	2 SL		2.0 oz/a	PRE	A	106		0.0	0.0	52.0	52.0	50.0	55.0
							205		5.0	0.0	42.0	45.0	46.0	47.0
							301		0.0	5.0	40.0	40.0	41.0	42.0
							403		0.0	0.0	39.0	40.0	43.0	44.0
							Mean =		1.3	1.3	43.3	44.3	45.0	47.0
7	REFLEX	2 SL		4.0 oz/a	PRE	A	107		0.0	0.0	51.0	51.0	52.0	53.0
							208		0.0	0.0	50.0	51.0	52.0	54.0
							311		0.0	0.0	49.0	49.0	49.0	52.0
							407		0.0	0.0	46.0	47.0	47.0	48.0
							Mean =		0.0	0.0	49.0	49.5	50.0	51.8
8	REFLEX	2 SL		8.0 oz/a	PRE	A	108		0.0	0.0	53.0	55.0	56.0	57.0
							209		0.0	5.0	48.0	49.0	50.0	51.0
							308		0.0	5.0	43.0	45.0	46.0	47.0
							410		0.0	0.0	41.0	43.0	44.0	45.0
							Mean =		0.0	2.5	46.3	48.0	49.0	50.0
9	REFLEX	2 SL		12.0 oz/a	PRE	A	109		0.0	5.0	55.0	55.0	56.0	56.0
							207		5.0	0.0	46.0	48.0	50.0	50.0
							309		0.0	15.0	49.0	50.0	53.0	48.0
							401		0.0	5.0	44.0	46.0	46.0	50.0
							Mean =		1.3	6.3	48.5	49.8	51.3	51.0
10	REFLEX	2 SL		16.0 oz/a	PRE	A	110		5.0	5.0	46.0	47.0	50.0	53.0
							211		10.0	15.0	51.0	52.0	52.0	52.0
							310		0.0	15.0	47.0	49.0	51.0	51.0
							405		0.0	15.0	41.0	41.0	41.0	43.0
							Mean =		3.8	12.5	46.3	47.3	48.5	49.8

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX										
YEAR 2 (APPLIED 94 DBP)										
Trial ID:		GS-01-20		Study Dir.:		CHAD ABBOTT				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code			----		----		----		-----	
Crop Code			Sorbi		Sorbi		Sorbi		Sorbi	
Part Rated			Plant -		Plant -		Plant -		Plant -	
Rating Data Type			Stunting		Necrosis		Ht1		Ht2	
Rating Unit			Percent		Percent		In		In	
Rating Date			Aug-31-20		Aug-31-20		Sep-22-20		Sep-22-20	
Trt-Eval Interval			136 DA-A		136 DA-A		158 DA-A		158 DA-A	
PRM Data Type										
# Subsamples, Dec.										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot		
							14		15	
							16		17	
							18		19	
11 NTC							111		111	
							201		201	
							304		304	
							409		409	
Mean =							0.0		0.0	

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX										
YEAR 2 (APPLIED 94 DBP)										
Trial ID:		GS-01-20		Study Dir.:		CHAD ABBOTT				
Location:		PONDER FARM		Investigator:		Eric P. Prostko				
Weed Code							-----	-----	-----	-----
Crop Code							Sorbi	Sorbi	SORBI	SORBI
Part Rated							Plant -	Plant -	PLOT -	PLOT -
Rating Data Type							Ht5	HGT-AVG	YIELD	YIELD
Rating Unit							In	In	LBS/PLOT	BU/A
Rating Date							Sep-22-20	Sep-22-20	Nov-5-20	Nov-5-20
Trt-Eval Interval							158 DA-A	158 DA-A	202 DA-A	202 DA-A
PRM Data Type							T3	T3	TY4	TY4
# Subsamples, Dec.							- 1	- 1	- 1	- 0
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	20	21
									22	23
1	NTC						101		42.0	40.2
							202		48.0	46.8
							307		47.0	45.8
							408		43.0	41.4
							Mean =		45.0	43.6
2	SINBAR	80	WG	1.0	oz/a	PRE	A	102	47.0	44.2
								210	55.0	53.8
								305	47.0	44.6
								402	52.0	48.8
								Mean =	50.3	47.9
3	SINBAR	80	WG	2.0	oz/a	PRE	A	103	50.0	45.0
								204	55.0	52.6
								303	41.0	41.0
								406	44.0	42.8
								Mean =	47.5	45.4
4	SINBAR	80	WG	3.0	oz/a	PRE	A	104	52.0	50.4
								206	53.0	50.4
								302	50.0	47.4
								404	46.0	43.2
								Mean =	50.3	47.9
5	SINBAR	80	WG	4.0	oz/a	PRE	A	105	50.0	49.4
								203	48.0	45.4
								306	47.0	45.6
								411	45.0	43.4
								Mean =	47.5	46.0
6	REFLEX	2	SL	2.0	oz/a	PRE	A	106	56.0	53.0
								205	47.0	45.4
								301	44.0	41.4
								403	45.0	42.2
								Mean =	48.0	45.5
7	REFLEX	2	SL	4.0	oz/a	PRE	A	107	54.0	52.2
								208	55.0	52.4
								311	52.0	50.2
								407	49.0	47.4
								Mean =	52.5	50.6
8	REFLEX	2	SL	8.0	oz/a	PRE	A	108	58.0	55.8
								209	49.0	49.4
								308	48.0	45.8
								410	46.0	43.8
								Mean =	50.3	48.7
9	REFLEX	2	SL	12.0	oz/a	PRE	A	109	58.0	56.0
								207	51.0	49.0
								309	49.0	49.8
								401	50.0	47.2
								Mean =	52.0	50.5
10	REFLEX	2	SL	16.0	oz/a	PRE	A	110	53.0	49.8
								211	53.0	52.0
								310	46.0	48.8
								405	43.0	41.8
								Mean =	48.8	48.1

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX									
YEAR 2 (APPLIED 94 DBP)									
Trial ID:		GS-01-20		Study Dir.:		CHAD ABBOTT			
Location:		PONDER FARM		Investigator:		Eric P. Prostko			
Weed Code		-----		-----		-----		-----	
Crop Code		Sorbi		Sorbi		SORBI		SORBI	
Part Rated		Plant -		Plant -		PLOT -		PLOT -	
Rating Data Type		Ht5		HGT-AVG		YIELD		YIELD	
Rating Unit		In		In		LBS/PLOT		BU/A	
Rating Date		Sep-22-20		Sep-22-20		Nov-5-20		Nov-5-20	
Trt-Eval Interval		158 DA-A		158 DA-A		202 DA-A		202 DA-A	
PRM Data Type		T3		T3		TY4		TY4	
# Subsamples, Dec.		- 1		- 1		- 1		- 0	
Trt Treatment Form Form		Rate Grow Appl							
No. Name		Conc Type Rate Unit Stg Code Plot		20		21		22	
11 NTC		111		52.0		51.4		6.9	
		201		49.0		46.0		4.1	
		304		42.0		42.4		3.5	
		409		44.0		43.6		4.4	
Mean =		46.8		45.9		4.7		22	

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GRAIN SORGHUM RESPONSE TO SINBAR AND REFLEX			
YEAR 2 (APPLIED 94 DBP)			
Trial ID:	GS-01-20	Study Dir.:	CHAD ABBOTT
Location:	PONDER FARM	Investigator:	Eric P. Prostko
<u>Part Rated</u>			
Plant = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)			
Leaf = LEAF / FOLIAGE			
<u>PRM Data Type</u>			
T1 = [4]/[5]			
T2 = ([8]+[9]+[10]+[11]+[12])/5			
T3 = ([16]+[17]+[18]+[19]+[20])/5			
TY4 = 4.759532*[22]			