

University of Georgia

SELECT MAX AND FUSILADE TIMINGS FOR ANNUAL GRASS CONTROL (BARE-GROUND)			
Trial ID:	PE-42-21	Study Dir.:	
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 Stg	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
1	NO HERBICDE 2" TO 3"	2 EC		0.0 oz/a	POST		-	101	210	305	408
2	NO HERBICDE 4" TO 5"	2 EC		0.0 oz/a	POST		-	102	209	310	404
3	NO HERBICDE 6" TO 8"	2 EC		0.0 oz/a	POST		-	103	212	311	405
4	NO HERBICDE UP TO 14"	2 EC		0.0 oz/a	POST		-	104	206	312	403
5	SELECT MAX AGRIDEX 2" TO 3"	0.97 EC		16.0 oz/a 1.0 % v/v	POST POST	12.5 mL/mx 15.0 mL/mx	-	105	208	302	407
6	SELECT MAX AGRIDEX 4" TO 5"	0.97 EC		16.0 oz/a 1.0 % v/v	POST POST	12.5 mL/mx 15.0 mL/mx	-	106	207	303	411
7	SELECT MAX AGRIDEX 6" TO 8"	0.97 EC		16.0 oz/a 1.0 % v/v	POST POST	12.5 mL/mx 15.0 mL/mx	-	107	203	301	406
8	SELECT MAX AGRIDEX UP TO 14"	0.97 EC		16.0 oz/a 1.0 % v/v	POST POST	12.5 mL/mx 15.0 mL/mx	-	108	205	306	409
9	FUSILADE DX AGRIDEX 2" TO 3"	2 EC		12.0 oz/a 1.0 % v/v	POST POST	9.374 mL/mx 15.0 mL/mx	-	109	211	304	401
10	FUSILADE DX AGRIDEX 4" TO 5"	2 EC		12.0 oz/a 1.0 % v/v	POST POST	9.374 mL/mx 15.0 mL/mx	-	110	201	307	412
11	FUSILADE DX AGRIDEX 6" TO 8"	2 EC		12.0 oz/a 1.0 % v/v	POST POST	9.374 mL/mx 15.0 mL/mx	-	111	202	309	402
12	FUSILADE DX AGRIDEX UP TO 14"	2 EC		12.0 oz/a 1.0 % v/v	POST POST	9.374 mL/mx 15.0 mL/mx	-	112	204	308	410

Sort Order: Treatment

<p>Trial Comments</p> <p>APPLIED VALOR EZ @ 1.5 OZ/A OVER ALL PLOTS AFTER BED FORMATION TO CONTROL BROADLEAF WEEDS AND ENCOURAGE ANNUAL GRASS GROWTH (MARCH 23)</p> <p>LAST TILLAGE: MARCH 22</p> <p><u>SUMMARY:</u></p> <p>1) WHEN APPLIED AT 2-3", NO DIFFERENCES IN TEXAS PANICUM CONTROL BETWEEN SELECT AND FUSILADE WERE OBSERVED.</p> <p>2) WHEN APPLIED TO LARGER PLANTS (4" OR GREATER), SELECT MAX WAS MORE EFFECTIVE THAN FUSILADE IN CONTROLLING TEXAS PANICUM.</p> <p>3) NO DIFFERENCES IN TEXAS PANICUM CONTROL WHEN SELECT MAX WAS APPLIED FROM 2-8". HOWEVER, SELECT MAX WAS LEAST EFFECTIVE WHEN APPLIED AT THE LATEST TIMING (UP TO 14" TALL TEXAS PANICUM).</p>

University of Georgia

SELECT MAX AND FUSILADE TIMINGS FOR ANNUAL GRASS CONTROL
(BARE-GROUND)

Trial ID: PE-42-21 Study Dir.: _____
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: _____ 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. PANTE TEXAS PANICUM 2. _____

Crop 1: _____ Variety: _____ Planting Date: _____
 Planting Method: _____ Rate: _____ Depth: _____
 Perennial Age: _____ Row Spacing: _____ Seed Bed: _____
 Soil Temperature: _____ Soil Moisture: _____ Emergence Date: _____

Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 4
 Site Type: _____
 Tillage Type: _____ Study Design: FACTOR
 Trial Initiation Comments: _____

Previous: Crops	Pesticides	Year
1. _____	_____	_____

MAINTENANCE

Field Prep./Maintenance: _____

No.	Date	Treatment Name	Form	Form	Form	Rate	Unit
1.	_____	_____	_____	_____	_____	_____	_____

SOIL DESCRIPTION

Texture: _____ % OM: _____ % Sand: _____ % Silt: _____ % Clay: _____
 pH: _____ CEC: _____ Soil Name: _____ Fertility Level: _____

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1.	_____	_____	_____	_____	_____	_____

Overall Moisture Conditions: _____
 Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-7-21	May-18-21	May-24-21	Jun-7-21	_____	_____
Time of Day:	7:00 AM	6:30 AM	6:30 AM	7:30 AM	_____	_____
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST	_____	_____
Application Timing:	2-3"	4-5"	6-8"	UP TO 14"	_____	_____
Applic. Placement:	FOLIAGE	FOLIAGE	FOLIAGE	FOLIAGE	_____	_____
Air Temp., Unit:	48 F	63 F	62 F	72 F	_____	_____
% Relative Humidity:	96	95	87	94	_____	_____
Wind Velocity, Unit:	0 MPH	0 MPH	0 MPH	3 MPH	_____	_____
Dew Presence (Y/N):	Y	Y	Y	Y	_____	_____
Water Hardness:	--	--	--	--	_____	_____
Soil Temp., Unit:	63 F	70 F	71 F	74 F	_____	_____
Soil Moisture:	OPTIMUM	OPTIMUM	OPTIMUM	WET	_____	_____
% Cloud Cover:	0	0	20	90	_____	_____

University of Georgia

SELECT MAX AND FUSILADE TIMINGS FOR ANNUAL GRASS CONTROL (BARE-GROUND)			
Trial ID:	PE-42-21	Study Dir.:	Eric P. Prostko
Location:	PONDER FARM	Investigator:	Eric P. Prostko

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

WEED STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
Weed 1	Stage: PANTE 2-3"	4-5"	6-8"	UP TO 14"	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

APPLICATION EQUIPMENT							
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME	SAME	SAME	_____	_____	_____
Operating Pressure:	35	_____	_____	_____	_____	_____	_____
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
_____	_____

University of Georgia

SELECT MAX AND FUSILADE TIMINGS FOR ANNUAL GRASS CONTROL (BARE-GROUND)						
Trial ID: PE-42-21		Study Dir.: Eric P. Prostko				
Location: PONDER FARM		Investigator:		Eric P. Prostko		
Weed Code		Pante	Pante	Pante		
Crop Code		-----	-----	-----		
Part Rated						
Rating Data Type		Control	Control	Control		
Rating Unit		%	%	%		
Rating Date		May-18-21	Jun-1-21	Jun-17-21		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	
					1	2
						3
TABLE OF R MEANS						
Replicate 1						
					10.8	25.4
					10.4	25.0
					9.6	23.3
					9.6	20.8
TABLE OF A (HERBICIDE) MEANS						
1	NO HERBICDE	2	EC	0.0 oz/a POST	0.0 b	0.0 c
2	SELECT MAX	0.97	EC	16.0 oz/a POST	15.3 a	38.1 a
2	AGRIDEX			1.0 % v/v POST		62.2 a
3	FUSILADE DX	2	EC	12.0 oz/a POST	15.0 a	32.8 b
3	AGRIDEX			1.0 % v/v POST		43.1 b
LSD P=.10						
Standard Deviation						
					2.48	2.88
CV						
					3.61	4.19
					35.71	17.71
						13.62
						19.83
						56.49
TABLE OF B (TIMING) MEANS						
1 2" TO 3"						
					40.4 a	47.5 a
2 4" TO 5"						
					0.0 b	29.6 b
3 6" TO 8"						
					0.0 b	17.5 c
4 UP TO 14"						
					0.0 b	0.0 d
						33.3 b
LSD P=.10						
Standard Deviation						
					1.62	4.89
CV						
					2.17	6.53
					21.43	27.62
						6.89
						9.21
						26.23
TABLE OF A (HERBICIDE) B (TIMING) MEANS						
1	NO HERBICDE	2	EC	0.0 oz/a POST	0.0 b	0.0 f
1 2" TO 3"						
2	SELECT MAX	0.97	EC	16.0 oz/a POST	61.3 a	72.5 a
2	AGRIDEX			1.0 % v/v POST		63.8 ab
1 2" TO 3"						
3	FUSILADE DX	2	EC	12.0 oz/a POST	60.0 a	70.0 a
3	AGRIDEX			1.0 % v/v POST		61.3 ab
1 2" TO 3"						
1	NO HERBICDE	2	EC	0.0 oz/a POST	0.0 b	0.0 f
2 4" TO 5"						
2	SELECT MAX	0.97	EC	16.0 oz/a POST	0.0 b	47.5 b
2	AGRIDEX			1.0 % v/v POST		67.5 a
2 4" TO 5"						
3	FUSILADE DX	2	EC	12.0 oz/a POST	0.0 b	41.3 c
3	AGRIDEX			1.0 % v/v POST		33.8 c
2 4" TO 5"						
1	NO HERBICDE	2	EC	0.0 oz/a POST	0.0 b	0.0 f
3 6" TO 8"						
2	SELECT MAX	0.97	EC	16.0 oz/a POST	0.0 b	32.5 d
2	AGRIDEX			1.0 % v/v POST		61.3 ab
3 6" TO 8"						
3	FUSILADE DX	2	EC	12.0 oz/a POST	0.0 b	20.0 e
3	AGRIDEX			1.0 % v/v POST		33.8 c
3 6" TO 8"						

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

SELECT MAX AND FUSILADE TIMINGS FOR ANNUAL GRASS CONTROL
(BARE-GROUND)
 Trial ID: PE-42-21 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Pante	Pante	Pante						
Crop Code	-----	-----	-----						
Part Rated									
Rating Data Type	Control	Control	Control						
Rating Unit	%	%	%						
Rating Date	May-18-21	Jun-1-21	Jun-17-21						
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	1	2	3
1	NO HERBICDE	2	EC	0.0	oz/a	POST	0.0 b	0.0 f	0.0 d
4	UP TO 14"								
2	SELECT MAX	0.97	EC	16.0	oz/a	POST	0.0 b	0.0 f	56.3 b
2	AGRIDEX			1.0	% v/v	POST			
4	UP TO 14"								
3	FUSILADE DX	2	EC	12.0	oz/a	POST	0.0 b	0.0 f	43.8 c
3	AGRIDEX			1.0	% v/v	POST			
4	UP TO 14"								
LSD P=.10							4.42	5.40	10.45
Standard Deviation							3.61	4.40	8.52
CV							35.71	18.62	24.28

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

SELECT MAX AND FUSILADE TIMINGS FOR ANNUAL GRASS CONTROL (BARE-GROUND)						
Trial ID:	PE-42-21	Study Dir.:				
Location:	PONDER FARM	Investigator:	Eric P. Prostko			
COMPLETE FACTORIAL AOV For Pante ----- Control % May-18-21 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	24874.479167				
R	3	14.062500	4.687500	0.360	0.7826	
A	2	2451.041667	1225.520833	94.120	0.0001	2.5
RA	6	78.125000	13.020833			
B	3	14701.562500	4900.520833	1045.445	0.0001	1.6
RB	9	42.187500	4.687500			
AB	6	7353.125000	1225.520833	94.120	0.0001	4.4
RAB	18	234.375000	13.020833			
COMPLETE FACTORIAL AOV For Pante ---- Control % Jun-1-21 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	36436.979167				
R	3	155.729167	51.909722	2.678	0.0780	
A	2	13644.791667	6822.395833	389.079	0.0001	2.9
RA	6	105.208333	17.534722			
B	3	14414.062500	4804.687500	112.653	0.0001	4.9
RB	9	383.854167	42.650463			
AB	6	7384.375000	1230.729167	63.484	0.0001	5.4
RAB	18	348.958333	19.386574			
COMPLETE FACTORIAL AOV For Pante ----- Control % Jun-17-21 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	40374.479167				
R	3	1176.562500	392.187500	5.400	0.0079	
A	2	32482.291667	16241.145833	41.302	0.0003	13.6
RA	6	2359.375000	393.229167			
B	3	718.229167	239.409722	2.824	0.0992	6.9
RB	9	763.020833	84.780093			
AB	6	1567.708333	261.284722	3.598	0.0160	10.4
RAB	18	1307.291667	72.627315			
<u>Weed Code</u>						
Pante = PANICUM, TEXAS / PANICUM TEXANUM BUCKL.						

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

**SELECT MAX AND FUSILADE TIMINGS FOR ANNUAL GRASS CONTROL
(BARE-GROUND)**

Trial ID: PE-42-21 Study Dir.:
 Location: PONDER FARM Investigator: Eric P. Prostko

						Pante -----	Pante -----	Pante -----
						Control %	Control %	Control %
						May-18-21	Jun-1-21	Jun-17-21
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg Plot	1	2	3
1	NO HERBICDE 2" TO 3"	2 EC		0.0 oz/a	POST 101	0.0	0.0	0.0
					210	0.0	0.0	0.0
					305	0.0	0.0	0.0
					408	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0
2	NO HERBICDE 4" TO 5"	2 EC		0.0 oz/a	POST 102	0.0	0.0	0.0
					209	0.0	0.0	0.0
					310	0.0	0.0	0.0
					404	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0
3	NO HERBICDE 6" TO 8"	2 EC		0.0 oz/a	POST 103	0.0	0.0	0.0
					212	0.0	0.0	0.0
					311	0.0	0.0	0.0
					405	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0
4	NO HERBICDE UP TO 14"	2 EC		0.0 oz/a	POST 104	0.0	0.0	0.0
					206	0.0	0.0	0.0
					312	0.0	0.0	0.0
					403	0.0	0.0	0.0
					Mean =	0.0	0.0	0.0
5	SELECT MAX AGRIDEX 2" TO 3"	0.97 EC		16.0 oz/a	POST 105	70.0	75.0	55.0
					1.0 % v/v POST 208	60.0	75.0	75.0
					302	50.0	65.0	50.0
					407	65.0	75.0	75.0
					Mean =	61.3	72.5	63.8
6	SELECT MAX AGRIDEX 4" TO 5"	0.97 EC		16.0 oz/a	POST 106	0.0	60.0	75.0
					1.0 % v/v POST 207	0.0	50.0	65.0
					303	0.0	50.0	65.0
					411	0.0	30.0	65.0
					Mean =	0.0	47.5	67.5
7	SELECT MAX AGRIDEX 6" TO 8"	0.97 EC		16.0 oz/a	POST 107	0.0	30.0	65.0
					1.0 % v/v POST 203	0.0	30.0	65.0
					301	0.0	40.0	50.0
					406	0.0	30.0	65.0
					Mean =	0.0	32.5	61.3
8	SELECT MAX AGRIDEX UP TO 14"	0.97 EC		16.0 oz/a	POST 108	0.0	0.0	50.0
					1.0 % v/v POST 205	0.0	0.0	50.0
					306	0.0	0.0	65.0
					409	0.0	0.0	60.0
					Mean =	0.0	0.0	56.3
9	FUSILADE DX AGRIDEX 2" TO 3"	2 EC		12.0 oz/a	POST 109	60.0	70.0	30.0
					1.0 % v/v POST 211	65.0	75.0	65.0
					304	65.0	70.0	75.0
					401	50.0	65.0	75.0
					Mean =	60.0	70.0	61.3
10	FUSILADE DX AGRIDEX 4" TO 5"	2 EC		12.0 oz/a	POST 110	0.0	50.0	15.0
					1.0 % v/v POST 201	0.0	50.0	50.0
					307	0.0	35.0	50.0
					412	0.0	30.0	20.0
					Mean =	0.0	41.3	33.8
11	FUSILADE DX AGRIDEX 6" TO 8"	2 EC		12.0 oz/a	POST 111	0.0	20.0	15.0
					1.0 % v/v POST 202	0.0	20.0	20.0
					309	0.0	20.0	50.0
					402	0.0	20.0	50.0
					Mean =	0.0	20.0	33.8

University of Georgia

SELECT MAX AND FUSILADE TIMINGS FOR ANNUAL GRASS CONTROL
(BARE-GROUND)

Trial ID: PE-42-21 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Pante	Pante	Pante
Crop Code	----	----	----
Part Rated			
Rating Data Type	Control	Control	Control
Rating Unit	%	%	%
Rating Date	May-18-21	Jun-1-21	Jun-17-21
Trt Treatment	Form	Form	Rate
No. Name	Conc	Type	Rate Unit
			Stg Plot
12 FUSILADE DX	2 EC	12.0 oz/a	POST 112
AGRIDEX		1.0 % v/v	POST 204
UP TO 14"			308
			410
			Mean =
	0.0	0.0	15.0
	0.0	0.0	50.0
	0.0	0.0	50.0
	0.0	0.0	60.0
	0.0	0.0	43.8

Weed Code
Pante = PANICUM, TEXAS / PANICUM TEXANUM BUCKL.