

# University of Georgia

PECAN RESPONSE TO 2,4-D AMINE AND CLARITY		
TEST1 - YEAR 4		
Trial ID: PECAN-03-17	Study Dir.: LENNY WELLS	
Location: PONDER FARM	Investigator: Eric P. Prostko	

Reps: 3                      Plots: 6 by 25 feet  
 Spray vol: 15 GAL/AC                      Mix Size: 1.5 liters (.58658 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3
1	CLARITY	4	SL	1.0 % v/v		POST	A	15.0 ml/mx	101	202	304
2	CLARITY	4	SL	0.1 % v/v		POST	A	1.5 ml/mx	102	206	302
3	CLARITY	4	SL	0.01 % v/v		POST	A	0.15 ml/mx	103	207	301
4	2,4-D AMINE	3.8	SL	1.0 % v/v		POST	A	15.0 ml/mx	104	201	303
5	2,4-D AMINE	3.8	SL	0.1 % v/v		POST	A	1.5 ml/mx	105	204	307
6	2,4-D AMINE	3.8	SL	0.01 % v/v		POST	A	0.15 ml/mx	106	203	305
7	NTC								107	205	306

Sort Order: Treatment

	Trial Comments	
<p>APPLICATION DATE: JUNE 12, 2013            VARIETY: DESIREABLE            TREE AGE: 5 YEARS            TREE HEIGHT: ~15-20 FEET            TREE STAGE OF GROWTH: BEGINNING OF NUT SIZING            PSI: 40            NOZZLE TYPE: 8002 (FLAT FAN)/3 NOZZLE @ 20" SPACING VERTICAL            DISTANCE FROM TREE: 10 FEET            SPRAY TIME: 5 SECONDS</p> <p>AIR TEMP: 77 F            SOIL TEMP: 69 F            RH: 100%            WIND: 1-2 MPH</p> <p>BASED UPON 15 GPA AND CLARITY @ 16 OZ/A AND 2,4-D AMINE @ 24 OZ/A, THESE RATES WOULD BE EQUIVALENT TO THE FOLLOWING FIELD APPLICATION RATES:</p> <p>CLARITY            1% V/V = 1.2X            0.1% V/V = 0.12X (1/8.3TH RATE)            0.01% V/V = 0.012X (1/83TH RATE)</p> <p>2,4-D AMINE            1% V/V = 0.8X (1/1.25X)            0.1% V/V = 0.08X (1/12.5TH RATE)            0.01% V/V = 0.008X (1/125TH RATE)</p> <p>TREE CALIPER - APRIL 7, 2017: 30" FROM SOIL</p> <p><b><u>RATINGS:</u></b></p> <p>Incidence is whether or not the tree showed any symptoms of damage. Its an all or none scale. This could be dead limbs, leaf deformity, etc. 1=symptoms present, 0=no symptoms.</p> <p>Severity is rated from 0-10 with 0 being no damage. 1-3=minor foliage symptoms. 4-6=severe foliar symptoms and/or weak/stunted/dying branches/limbs; 7-10=dead limbs/branches.</p> <p>The 3<sup>rd</sup> data set is a dormant season rating of dead terminals. I counted 50 random terminals per tree. The number is the % dead terminals of that 50. A terminal will be the 2013 growth from the end of the branch back to the initial growth point in spring of 2013. This was rated 10 March 2014.</p>		

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**SUMMARY: YEAR 1+ 2**

- 1) GENERALLY, 1% V/V RATES OF BOTH 2,4-D AMINE AND DICAMBA-DGA WERE MORE INJURIOUS THAN LOWER RATES.
- 2) GENERALLY, NO DIFFERENCES IN PECAN RESPONSE WERE OBSERVED BETWEEN 2,4-D AMINE AND DICAMBA-DGA.

**SUMMARY: YEAR 3**

- 1) PECAN TREE CIRCUMFERENCES (24" ABOVE SOIL) WERE NOT INFLUENCED BY ANY TREATMENT 3 YEARS AFTER APPLICATION (P = 0.1401).
- 2) PECAN YIELDS WERE NOT INFLUENCED BY ANY TREATMENT 3 YEARS AFTER APPLICATION (P = 0.3172, CV = 34.45).
- 3) PECAN KERNEL % WAS NOT INFLUENCED BY ANY TREATMENT (P=0.2773, CV = 4.05)

**SUMMARY: YEAR 4**

- 1) PECAN TREE CALIPER WAS NOT INFLUENCED BY ANY TREATMENT (P=0.2818, CV = 10.23 ).
- 2) PECAN YIELD WAS NOT INFLUENCED BY ANY TREATMENT (P=0.6931, CV = 23.53).
- 3) PECAN KERNEL % WAS REDUCED BY ALL TREATMENTS EXCEPT CLARITY @ 0.1 AND 0.01% V/V.



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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:	_____	_____	_____	_____	_____	_____	_____
Operating Pressure:	_____	_____	_____	_____	_____	_____	_____
Nozzle Type:	_____	_____	_____	_____	_____	_____	_____
Nozzle Size:	_____	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	_____	_____	_____	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Height, Unit:	_____	_____	_____	_____	_____	_____	_____
Ground Speed, Unit:	_____	_____	_____	_____	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	_____	_____	_____	_____	_____	_____	_____
Spray Volume, Unit:	_____	_____	_____	_____	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	_____	_____	_____	_____	_____	_____	_____
Tank Mix (Y/N):	_____	_____	_____	_____	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

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PECAN RESPONSE TO 2,4-D AMINE AND CLARITY TEST1 - YEAR 4								
Trial ID: PECAN-03-17    Study Dir.: LENNY WELLS Location: PONDER FARM    Investigator: Eric P. Prostko								
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	
		----- DAMAGE - INCIDENC	----- DAMAGE - SEVERITY	----- DAMAGE - INCIDENC	----- DAMAGE - SEVERITY	----- DEAD - TERMINAL PERCENT	----- TREE - CIRCUMF INCHES	----- PECAN NUTS N
		0 OR 1 Jul-15-13	0-10 Jul-15-13	0 OR 1 Oct-3-13	0-10 Oct-3-13	Mar-10-14	Mar-22-16	Oct-31-16
		33 DA-A	33 DA-A	113 DA-A	113 DA-A	271 DA-A	1014 DA-	1237 DA-
		- 1	- 1	- 1	- 1	- 1	- 2	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	
1	2	3	4	5	6	7		
1	CLARITY	4	SL	1.0 % v/v	POST A			
2	CLARITY	4	SL	0.1 % v/v	POST A			
3	CLARITY	4	SL	0.01 % v/v	POST A			
4	2,4-D AMINE	3.8	SL	1.0 % v/v	POST A			
5	2,4-D AMINE	3.8	SL	0.1 % v/v	POST A			
6	2,4-D AMINE	3.8	SL	0.01 % v/v	POST A			
7	NTC							
	LSD P=.10	0.32	2.20	0.32	2.98	8.50	2.615	13.65
	Standard Deviation	0.22	1.51	0.22	2.05	5.84	1.797	9.38
	CV	28.64	48.56	32.73	41.74	34.87	9.02	44.98
	Grand Mean	0.76	3.12	0.67	4.90	16.74	19.917	20.86
	Bartlett's X2	0.0	7.579	0.0	2.191	0.742	1.677	6.18
	P(Bartlett's X2)	.	0.181	.	0.534	0.981	0.947	0.403
	Replicate F	1.000	2.465	1.000	2.193	10.760	4.468	0.898
	Replicate Prob(F)	0.3966	0.1268	0.3966	0.1542	0.0021	0.0355	0.4332
	Treatment F	11.000	9.092	14.000	11.261	6.875	2.027	1.395
	Treatment Prob(F)	0.0003	0.0007	0.0001	0.0002	0.0024	0.1401	0.2930

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Missing data estimates are included in columns: Average=8,11

# University of Georgia

Weed Code	-----	-----	-----	-----	-----	-----	-----	-----							
Crop Code	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN							
Part Rated															
Rating Data Type	NUTS	NUTS	NUTS	NUTS	50 NUTS	PECAN	PECAN	PECAN							
Rating Unit	S	E	W	#/TREE	GRAMS	TREE	LOSS	KERNEL							
Rating Date	Oct-31-16	Oct-31-16	Oct-31-16	Oct-31-16	Oct-31-16	Oct-31-16	Oct-31-16	Oct-31-16							
Trt-Eval Interval	1237 DA-	1237 DA-	1237 DA-	1237 DA-	1237 DA-	1237 DA-	1237 DA-	1237 DA-							
PRM Data Type				T1											
# Subsamples, Dec.				- 1		- 1	- 1	- 1							
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	8	9	10	11	12	13	14	15
1	CLARITY	4	SL	1.0 % v/v	POST	A		26.7 a	26.3 a	25.7 a	2625.0 a	473.0 a	54.8 a	0.0 a	57.4 a
2	CLARITY	4	SL	0.1 % v/v	POST	A		39.3 a	29.7 a	27.7 a	3100.0 a	494.7 a	67.8 a	0.0 a	57.5 a
3	CLARITY	4	SL	0.01 % v/v	POST	A		24.7 a	21.3 a	23.0 a	2200.0 a	446.7 a	43.8 a	0.0 a	57.6 a
4	2,4-D AMINE	3.8	SL	1.0 % v/v	POST	A		25.3 a	21.0 a	19.0 a	2083.3 a	507.3 a	47.4 a	3.1 a	56.9 a
5	2,4-D AMINE	3.8	SL	0.1 % v/v	POST	A		31.7 a	23.7 a	24.3 a	2666.7 a	455.7 a	54.1 a	2.8 a	60.3 a
6	2,4-D AMINE	3.8	SL	0.01 % v/v	POST	A		22.0 a	24.0 a	24.0 a	2208.3 a	478.3 a	46.7 a	0.0 a	56.5 a
7	NTC							29.0 a	13.7 a	14.7 a	1562.5 a	491.3 a	31.1 a	0.0 a	54.9 a
LSD P=.10								15.24	15.48	15.55	1113.03	44.18	24.76	4.12	3.38
Standard Deviation								10.39	10.64	10.68	759.06	30.36	17.01	2.83	2.32
CV								36.61	46.64	47.24	32.31	6.35	34.45	337.56	4.05
Grand Mean								28.38	22.81	22.62	2349.40	478.14	49.38	0.84	57.30
Bartlett's X2								7.995	8.436	5.815	5.316	3.402	6.052	0.016	17.443
P(Bartlett's X2)								0.157	0.208	0.444	0.504	0.757	0.417	0.899	0.008*
Replicate F								0.192	0.325	0.003	0.405	0.447	0.285	0.464	2.734
Replicate Prob(F)								0.8278	0.7288	0.9971	0.6768	0.6500	0.7568	0.6398	0.1051
Treatment F								0.916	0.666	0.508	1.278	1.531	1.329	0.770	1.441
Treatment Prob(F)								0.5185	0.6793	0.7910	0.3423	0.2493	0.3172	0.6078	0.2773

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Missing data estimates are included in columns: Average=8,11

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Weed Code															
Crop Code		PECAN	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN						
Part Rated		TREE C						YIELD -	KERNEL -						
Rating Data Type		CALIPER	NUTS	NUTS	NUTS	NUTS	NUTS								
Rating Unit		INCHES	N	S	E	W	#/TREE	LBS/TREE	PERCENT						
Rating Date		Apr-7-17	Oct-13-17	Oct-13-17	Oct-13-17	Oct-13-17	Oct-13-17	Oct-13-17	Oct-13-17						
Trt-Eval Interval		1395 DA-	1584 DA-	1584 DA-	1584 DA-	1584 DA-	1584 DA-	1584 DA-	1584 DA-						
PRM Data Type							T2								
# Subsamples, Dec.		- 1					- 1		- 1						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code								
								16	17						
								18	19						
								20	21						
								22	23						
1	CLARITY	4	SL	1.0 % v/v	POST	A		7.2 a	11.7 a	30.7 a	24.7 a	30.0 a	2425.0 a	54.33 a	57.1 c
2	CLARITY	4	SL	0.1 % v/v	POST	A		7.6 a	19.0 a	39.3 a	23.0 a	26.0 a	2683.3 a	62.07 a	58.2 abc
3	CLARITY	4	SL	0.01 % v/v	POST	A		6.2 a	13.7 a	34.0 a	32.7 a	36.3 a	2916.7 a	69.27 a	59.3 ab
4	2,4-D AMINE	3.8	SL	1.0 % v/v	POST	A		6.4 a	11.3 a	30.3 a	23.7 a	32.7 a	2450.0 a	55.43 a	57.8 c
5	2,4-D AMINE	3.8	SL	0.1 % v/v	POST	A		6.9 a	17.7 a	31.7 a	18.7 a	27.0 a	2375.0 a	51.97 a	57.3 c
6	2,4-D AMINE	3.8	SL	0.01 % v/v	POST	A		6.5 a	10.3 a	45.3 a	16.7 a	23.3 a	2391.7 a	53.03 a	57.9 bc
7	NTC							6.7 a	16.0 a	34.7 a	27.0 a	20.7 a	2458.3 a	54.27 a	59.5 a
	LSD P=.10							1.01	10.96	17.06	10.58	15.17	1004.52	19.583	1.41
	Standard Deviation							0.69	7.53	11.73	7.27	10.43	690.28	13.457	0.97
	CV							10.23	52.89	33.37	30.6	37.24	27.3	23.53	1.66
	Grand Mean							6.77	14.24	35.14	23.76	28.00	2528.57	57.195	58.19
	Bartlett's X2							9.132	5.281	6.593	2.71	2.604	2.6	2.685	5.449
	P(Bartlett's X2)							0.166	0.508	0.36	0.844	0.857	0.857	0.847	0.488
	Replicate F							2.415	5.106	2.116	1.390	2.217	4.062	4.648	0.459
	Replicate Prob(F)							0.1314	0.0249	0.1632	0.2865	0.1516	0.0450	0.0320	0.6425
	Treatment F							1.428	0.601	0.648	1.584	0.808	0.251	0.646	2.766
	Treatment Prob(F)							0.2818	0.7250	0.6917	0.2341	0.5827	0.9498	0.6931	0.0631

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Missing data estimates are included in columns: Average=8,11

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PECAN RESPONSE TO 2,4-D AMINE AND CLARITY  
TEST1 - YEAR 4

Trial ID: PECAN-03-17 Study Dir.: LENNY WELLS  
Location: PONDER FARM Investigator: Eric P. Prostko

C = Crop is Part Rated

PRM Data Type

T1 =  $([C7]+[C8]+[C9]+[C10])*25$

T2 =  $([C17]+[C18]+[C19]+[C20])*25$



# University of Georgia

PECAN RESPONSE TO 2,4-D AMINE AND CLARITY TEST1 - YEAR 4 Trial ID: PECAN-03-17    Study Dir.: LENNY WELLS Location: PONDER FARM    Investigator: Eric P. Prostko														
Weed Code														
Crop Code			PECAN	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN		
Part Rated			DAMAGE -	DAMAGE -	DAMAGE -	DAMAGE -	DEAD -	TREE -						
Rating Data Type			INCIDENC	SEVERITY	INCIDENC	SEVERITY	TERMINAL	CIRCUMF						
Rating Unit			0 OR 1	0-10	0 OR 1	0-10	PERCENT	INCHES				NUTS		
Rating Date			Jul-15-13	Jul-15-13	Oct-3-13	Oct-3-13	Mar-10-14	Mar-22-16				N		
Trt-Eval Interval			33 DA-A	33 DA-A	113 DA-A	113 DA-A	271 DA-A	1014 DA-				1237 DA-		
PRM Data Type														
# Subsamples, Dec.			- 1	- 1	- 1	- 1	- 1	- 2						
Trt Treatment	Form	Form	Rate	Grow	Appl									
No. Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	7
1 CLARITY	4 SL		1.0 % v/v	POST A	A		101	1.0	7.5	1.0	10.0	16.3	23.50	33.0
							202	1.0	6.0	1.0	10.0	28.0	19.50	13.0
							304	1.0	4.0	1.0	10.0	34.0	19.25	33.0
							Mean =	1.0	5.8	1.0	10.0	26.1	20.75	26.3
2 CLARITY	4 SL		0.1 % v/v	POST A	A		102	1.0	4.0	1.0	6.0	15.6	25.50	26.0
							206	1.0	3.0	1.0	7.0	5.9	20.25	34.0
							302	1.0	5.0	0.0	0.0	30.3	22.50	22.0
							Mean =	1.0	4.0	0.7	4.3	17.3	22.75	27.3
3 CLARITY	4 SL		0.01 % v/v	POST A	A		103	1.0	1.0	1.0	7.0	11.2	19.75	16.0
							207	0.0	0.0	1.0	7.0	12.9	16.75	21.0
							301	0.0	0.0	1.0	2.0	24.2	19.75	20.0
							Mean =	0.3	0.3	1.0	5.3	16.1	18.75	19.0
4 2,4-D AMINE	3.8 SL		1.0 % v/v	POST A	A		104	1.0	9.0	1.0	10.0	12.7	18.50	30.0
							201	1.0	3.0	1.0	8.0	23.7	20.50	4.0
							303	1.0	8.0	1.0	10.0	36.0	18.50	20.0
							Mean =	1.0	6.7	1.0	9.3	24.1	19.17	18.0
5 2,4-D AMINE	3.8 SL		0.1 % v/v	POST A	A		105	1.0	6.0	1.0	9.0	11.3	22.50	42.0
							204	1.0	3.0	1.0	3.0	26.0	17.75	25.0
							307	1.0	2.0	1.0	4.0	27.4	20.00	14.0
							Mean =	1.0	3.7	1.0	5.3	21.6	20.08	27.0
6 2,4-D AMINE	3.8 SL		0.01 % v/v	POST A	A		106	1.0	1.0	0.0	0.0	8.7	17.50	18.0
							203	1.0	1.0	0.0	0.0	5.6	17.25	13.0
							305	1.0	2.0	0.0	0.0	21.8	20.50	24.0
							Mean =	1.0	1.3	0.0	0.0	12.0	18.42	18.3
7 NTC							107	0.0	0.0	0.0	0.0	0.0	22.75	4.0
							205	0.0	0.0	0.0	0.0	0.0	18.00	12.0
							306	0.0	0.0	0.0	0.0	0.0	17.75	14.0
							Mean =	0.0	0.0	0.0	0.0	0.0	19.50	10.0

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Weed Code							-----	-----	-----	-----	-----	-----	-----		
Crop Code							PECAN	PECAN	PECAN	PECAN	PECAN	PECAN	PECAN		
Part Rated															
Rating Data Type							NUTS	NUTS	NUTS	NUTS	PECAN	PECAN	PECAN		
Rating Unit							S	E	W	#/TREE	WGT -	YIELD -	YIELD -		
Rating Date							Oct-31-16	Oct-31-16	Oct-31-16	Oct-31-16	50 NUTS	TREE	LOSS		
Trt-Eval Interval							1237 DA-	1237 DA-	1237 DA-	1237 DA-	GRAMS	POUNDS	PERCENT		
PRM Data Type											1237 DA-	1237 DA-	1237 DA-		
# Subsamples, Dec.										T1		- 1	- 1		
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	8	9	10	11	12	13	14
1	CLARITY	4	SL	1.0 % v/v	POST	A		101	30.0	29.0	34.0	3150.0	500.0	69.4	0.0
								202	21.0	26.0	26.0	2150.0	488.0	46.2	0.0
								304	29.0	24.0	17.0	2575.0	431.0	48.9	0.0
								Mean =	26.7	26.3	25.7	2625.0	473.0	54.8	0.0
2	CLARITY	4	SL	0.1 % v/v	POST	A		102	39.0	47.0	28.0	3500.0	498.0	76.7	0.0
								206	51.0	19.0	43.0	3675.0	502.0	81.3	0.0
								302	28.0	23.0	12.0	2125.0	484.0	45.4	0.0
								Mean =	39.3	29.7	27.7	3100.0	494.7	67.8	0.0
3	CLARITY	4	SL	0.01 % v/v	POST	A		103	26.0	19.0	11.0	1800.0	408.0	32.3	0.0
								207	23.0	23.0	17.0	2100.0	449.0	41.6	0.0
								301	25.0	22.0	41.0	2700.0	483.0	57.4	0.0
								Mean =	24.7	21.3	23.0	2200.0	446.7	43.8	0.0
4	2,4-D AMINE	3.8	SL	1.0 % v/v	POST	A		104	18.0	17.0	16.0	2025.0	484.0	43.2	0.0
								201	16.0	11.0	15.0	1150.0	490.0	24.8	9.2
								303	42.0	35.0	26.0	3075.0	548.0	74.2	0.0
								Mean =	25.3	21.0	19.0	2083.3	507.3	47.4	3.1
5	2,4-D AMINE	3.8	SL	0.1 % v/v	POST	A		105	39.0	38.0	31.0	3750.0	427.0	70.6	0.0
								204	41.0	17.0	24.0	2675.0	484.0	60.0	0.0
								307	15.0	16.0	18.0	1575.0	456.0	31.6	8.4
								Mean =	31.7	23.7	24.3	2666.7	455.7	54.1	2.8
6	2,4-D AMINE	3.8	SL	0.01 % v/v	POST	A		106	29.0	19.0	19.0	2125.0	478.0	44.8	0.0
								203	19.0	21.0	25.0	1950.0	458.0	39.3	0.0
								305	18.0	32.0	28.0	2550.0	499.0	56.0	0.0
								Mean =	22.0	24.0	24.0	2208.3	478.3	46.7	0.0
7	NTC							107	29.0	6.0	19.0	1450.0	491.0	31.4	0.0
								205	.	26.0	10.0	.	516.0	27.3	0.0
								306	29.0	9.0	15.0	1675.0	467.0	34.5	0.0
								Mean =	29.0	13.7	14.7	1562.5	491.3	31.1	0.0

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Weed Code		-----	-----	-----	-----	-----	-----	-----				
Crop Code	Part Rated	PECAN KERNEL -	PECAN TREE C CALIPER INCHES	PECAN NUTS N	PECAN NUTS S	PECAN NUTS E	PECAN NUTS W	PECAN NUTS #/TREE				
Rating Data Type	Rating Unit	PERCENT	INCHES	N	S	E	W	#/TREE				
Rating Date	Trt-Eval Interval	Oct-31-16	Apr-7-17	Oct-13-17	Oct-13-17	Oct-13-17	Oct-13-17	Oct-13-17				
PRM Data Type	# Subsamples, Dec.	1237 DA-	1395 DA-	1584 DA-	1584 DA-	1584 DA-	1584 DA-	1584 DA-				
Trt Treatment	Form Form	Rate	Grow	Appl								
No. Name	Conc Type	Rate Unit	Stg	Code Plot	15	16	17	18				
					19	20	21					
1	CLARITY	4 SL			101	57.0	8.0	16.0	33.0	32.0	38.0	2975.0
		1.0 % v/v	POST A		202	56.9	7.0	12.0	30.0	16.0	27.0	2125.0
					304	58.3	6.6	7.0	29.0	26.0	25.0	2175.0
					Mean =	57.4	7.2	11.7	30.7	24.7	30.0	2425.0
2	CLARITY	4 SL			102	57.3	8.0	28.0	63.0	25.0	37.0	3825.0
		0.1 % v/v	POST A		206	58.1	7.2	12.0	29.0	17.0	12.0	1750.0
					302	57.2	7.5	17.0	26.0	27.0	29.0	2475.0
					Mean =	57.5	7.6	19.0	39.3	23.0	26.0	2683.3
3	CLARITY	4 SL			103	57.6	6.1	23.0	47.0	37.0	42.0	3725.0
		0.01 % v/v	POST A		207	57.0	5.5	3.0	16.0	25.0	24.0	1700.0
					301	58.2	7.0	15.0	39.0	36.0	43.0	3325.0
					Mean =	57.6	6.2	13.7	34.0	32.7	36.3	2916.7
4	2,4-D AMINE	3.8 SL			104	56.2	6.4	11.0	33.0	15.0	31.0	2250.0
		1.0 % v/v	POST A		201	57.3	6.5	9.0	21.0	34.0	15.0	1975.0
					303	57.2	6.4	14.0	37.0	22.0	52.0	3125.0
					Mean =	56.9	6.4	11.3	30.3	23.7	32.7	2450.0
5	2,4-D AMINE	3.8 SL			105	56.7	7.9	34.0	44.0	26.0	34.0	3450.0
		0.1 % v/v	POST A		204	58.3	5.7	5.0	29.0	16.0	16.0	1650.0
					307	65.8	7.0	14.0	22.0	14.0	31.0	2025.0
					Mean =	60.3	6.9	17.7	31.7	18.7	27.0	2375.0
6	2,4-D AMINE	3.8 SL			106	57.5	5.7	4.0	34.0	18.0	20.0	1900.0
		0.01 % v/v	POST A		203	54.6	6.6	5.0	54.0	19.0	32.0	2750.0
					305	57.4	7.1	22.0	48.0	13.0	18.0	2525.0
					Mean =	56.5	6.5	10.3	45.3	16.7	23.3	2391.7
7	NTC				107	56.8	7.8	28.0	44.0	39.0	27.0	3450.0
					205	49.9	5.8	8.0	38.0	22.0	24.0	2300.0
					306	58.0	6.4	12.0	22.0	20.0	11.0	1625.0
					Mean =	54.9	6.7	16.0	34.7	27.0	20.7	2458.3



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PECAN RESPONSE TO 2,4-D AMINE AND CLARITY  
TEST1 - YEAR 4

Trial ID: PECAN-03-17 Study Dir.: LENNY WELLS  
Location: PONDER FARM Investigator: Eric P. Prostko

C = Crop is Part Rated

PRM Data Type

T1 =  $([C7]+[C8]+[C9]+[C10])*25$

T2 =  $([C17]+[C18]+[C19]+[C20])*25$