
2013 Commercial Moddus™ Ripener Trial

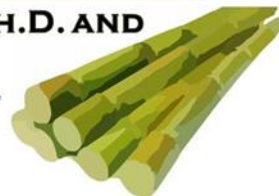
Blaine Viator

Calvin Viator, Ph.D. and Associates, LLC



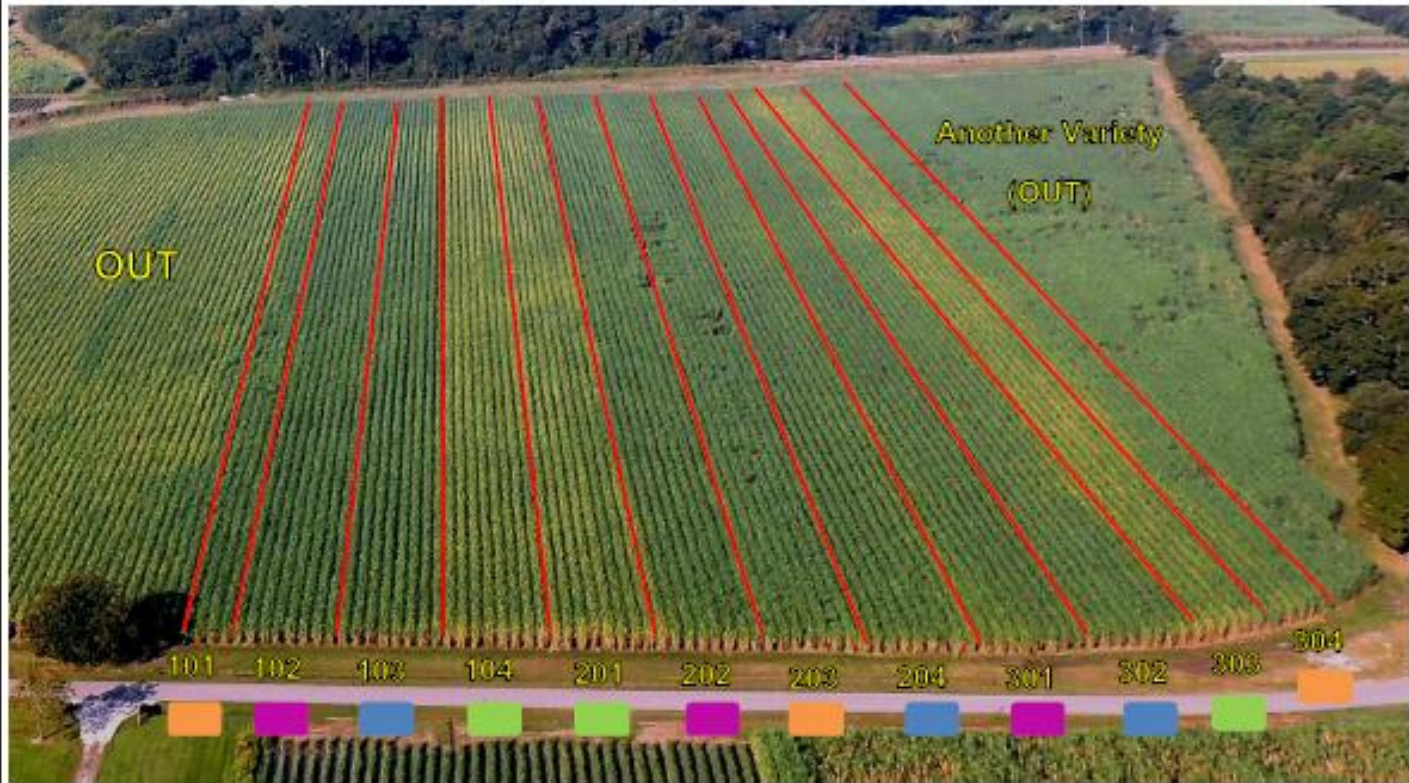
Melancon Sugarcane Farms, Inc.

**CALVIN VIATOR, PH.D. AND
ASSOCIATES, LLC**



Acadiana Helicopters

2013 Commercial Moddus Ripener Trial



CALVIN VIATOR, PH.D. AND ASSOCIATES, LLC



Melancon Sugarcane Farms, Inc.



- Moddus @ 11oz/A 62 Days PHI
- Moddus @ 11oz/A 46 Days PHI
- Touchdown @ 5.8 oz/A 46 Days PHI
- Non Treated Check

- Cooperators: Melancon Sugarcane Farms, LASUCA, Acadiana Helicopters, Syngenta
- Plots were 8 rows wide (68" rows) and approximately 1.7 acres each
- Treatments applied by helicopter at 2.5 GPA on 8/29/2013 and 9/13/2013
- Only four rows could be used for plot 101 due to a change in the stubble age.
- Plots harvested on October 29th and 30th, 2013

Trial Note:

In this case, with 44 ton/A second stubble 540, the highest labeled rate of Moddus (19oz/A) would likely have given better results.









3.MP4



4.MP4



1.MP4



2.MP4





10.29.2013 10:04

Check

Touchdown

Moddus 60 Days
PHI

Moddus 45 Days
PHI





2013 Moddus Ripener Trial - Melancon Sugarcane Farms

Raw Harvest Data - 540 2nd Stubble

Treatment	Plot	Total Row Length (feet)	Multiplier (# whole rows)	Total Traveled feet	Area Harvested acres	Net Weight tons	Cane Yield tons/A	TRS lb/ton	Sugar Yield lbs/A	Fiber %	Juice Brix %	POL %	Purity %	Sediment %	
Moddus	62 Days	103A	3	4,836	0.62911	23.57	37.47	185.89	6,964	18.550	16.8	14.34	85.36	1.0	
		103B	3	4,821	0.62716	24.35	38.83	186.72	7,250	19.900	17.0	14.72	86.59	2.0	
		204A	3	4,941	0.64277	25.59	39.81	180.46	7,185	18.860	16.4	14.02	85.49	2.0	
		204B	3	4,935	0.64199	26.84	41.81	179.91	7,522	18.690	16.4	13.98	85.24	2.0	
		302A	3	4,998	0.65018	24.05	36.99	186.81	6,910	19.640	17.0	14.70	86.47	3.0	
		302B	3	4,999	0.65018	26.07	40.10	175.82	7,050	19.010	16.4	13.83	84.33	2.0	
		Mean						39.17	182.60	7,183	19.107	16.7	14.27	85.58	2.0
		Moddus	46 Days	102A	3	4,812	0.62599	25.78	41.18	180.04	7,415	17.770	16.0	13.68	85.50
102B	3			4,800	0.62443	25.73	41.21	179.60	7,401	17.960	16.0	13.66	85.38	3.0	
202A	3			4,899	0.63730	26.70	41.90	193.22	8,095	16.120	16.4	14.10	85.98	2.0	
202B	3			4,896	0.63691	26.46	41.54	177.31	7,366	20.030	16.6	14.18	85.42	2.0	
301A	3			4,980	0.64784	27.89	43.05	164.40	7,076	18.400	15.3	12.81	83.73	1.0	
301B	3			4,965	0.64589	27.33	42.31	174.61	7,368	20.290	16.3	13.96	86.64	1.0	
Mean							41.87	178.20	7,457	18.428	16.1	13.73	85.28	1.8	
Touchdown	46 Days			104A	3	4,854	0.63145	21.94	34.75	233.54	8,114	18.600	20.0	17.70	86.50
		104B	3	4,842	0.62989	23.32	37.02	231.80	8,582	18.600	20.3	17.75	87.44	1.0	
		201A	3	4,878	0.63457	24.14	38.04	188.77	7,181	18.950	18.3	15.03	82.13	2.0	
		201B	3	4,869	0.63340	22.13	34.94	242.39	8,469	16.820	20.3	17.79	87.64	1.0	
		303A	3	4,969	0.64901	24.97	38.47	203.07	7,813	18.000	18.0	15.49	86.06	3.0	
		303B	3	4,995	0.64979	22.23	34.21	207.02	7,082	19.300	18.6	16.15	86.83	2.0	
		Mean					36.24	217.77	7,874	18.378	19.3	16.65	86.43	1.7	
		Non Treated	--	101A	3	4,785	0.62247	26.09	41.91	180.12	7,549	17.780	16.4	13.76	83.90
101B	N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
203A	3			4,926	0.64082	28.49	44.46	161.94	7,200	20.470	15.7	13.18	83.95	3.0	
203B	3			4,914	0.63926	28.50	44.58	166.29	7,414	18.310	15.5	12.90	83.23	2.0	
304A	3			4,905	0.63809	27.87	43.68	163.91	7,159	18.530	15.3	12.79	83.59	2.0	
304B	3			4,926	0.64082	28.40	44.32	165.96	7,355	17.550	16.0	12.92	80.75	2.0	
Mean							43.79	167.64	7,335	18.528	15.8	13.11	83.08	2.4	



2013 Moddus Ripener Trial - Melancon Sugarcane Farms

Commercial Yield Data - 540 2nd Stubble

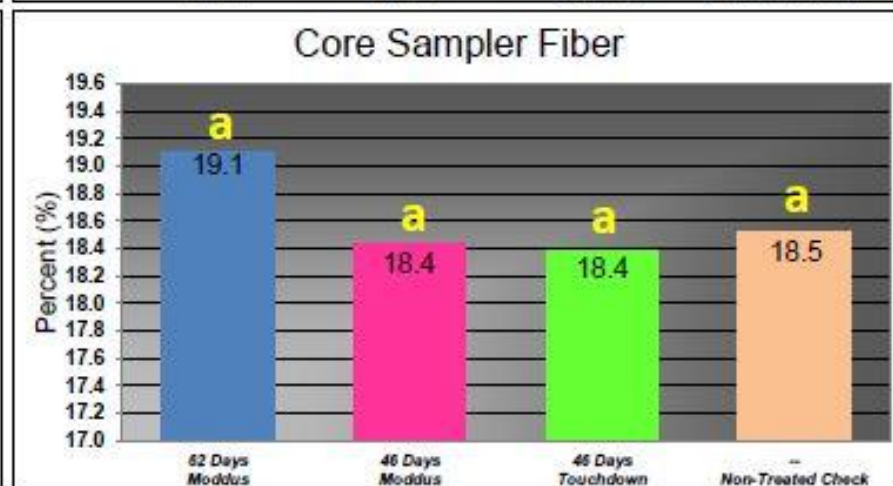
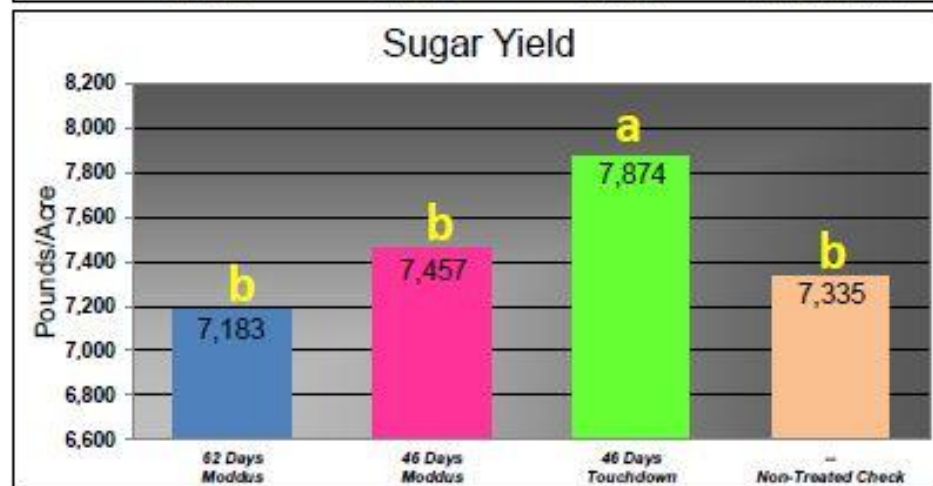
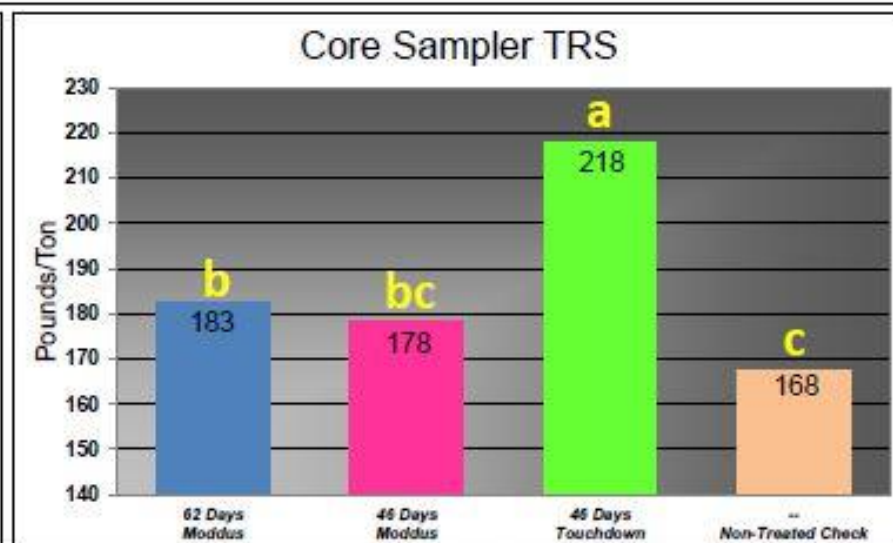
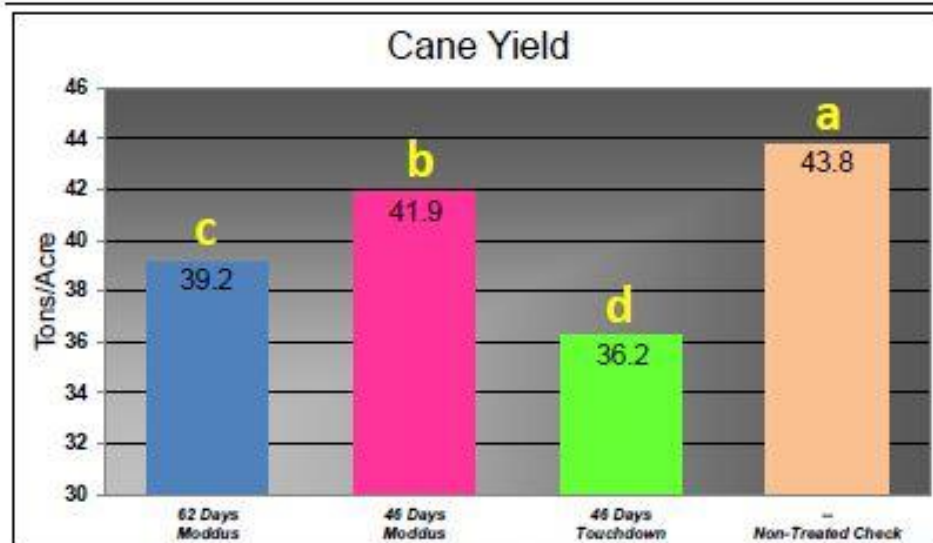
Tmt #	Treatment	Pre-Harvest Interval	Rate	Cane Yield Ton/A	TRS lbs/ton	Sugar Yield lbs/A	Fiber %	Brix %	POL %	Purity %	Sediment %
1	Moddus	62 Days	11 oz/A	39.2 c	183 b	7,183 b	19.1 a	16.67 b	14.27 b	85.58 a	2.0 a
2	Moddus	46 Days	11 oz/A	41.9 b	178 bc	7,457 b	18.4 a	16.10 bc	13.73 bc	85.28 a	1.8 a
3	Touchdown	46 Days	5.8 oz/A	38.2 d	218 a	7,874 a	18.4 a	19.25 a	16.65 a	86.43 a	1.7 a
4	Non-Treated Check	--	--	43.8 a	168 c	7,335 b	18.5 a	15.78 c	13.11 c	83.08 b	2.4 a
			LSD (P=0.1)	1.3	11	371	1.1	0.72	0.75	1.34	1.2
			Std Dev	0.8	7	234	0.7	0.45	0.47	0.85	0.8
			CV	2.01	3.62	3.13	3.70	2.67	3.28	0.99	37.27
			Replicate F	4.130	4.650	3.020	0.478	2.475	3.200	2.072	0.000
			Replicate Prob(F)	0.0745	0.0603	0.1238	0.6419	0.1646	0.1133	0.2069	1.0000
			Treatment F	46.557	29.306	5.067	0.781	34.102	30.722	7.779	0.700
			Treatment Prob(F)	0.0002	0.0006	0.0440	0.5461	0.0004	0.0005	0.0172	0.5855

Means followed by the same letter do not significantly differ (P=0.10, Duncan's New MRT)

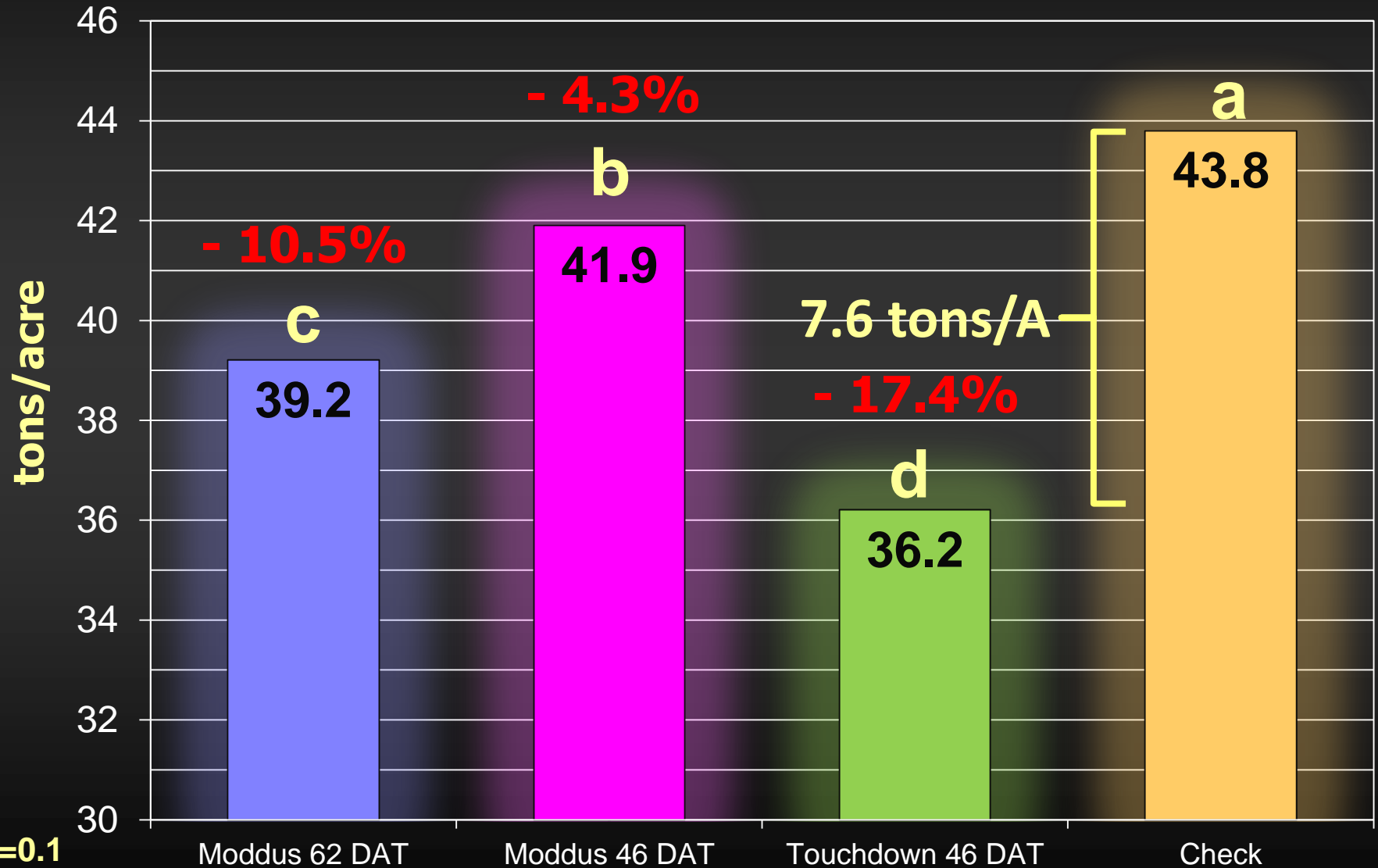
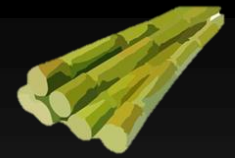


2013 Moddus Ripener Trial - Melancon Sugarcane Farms

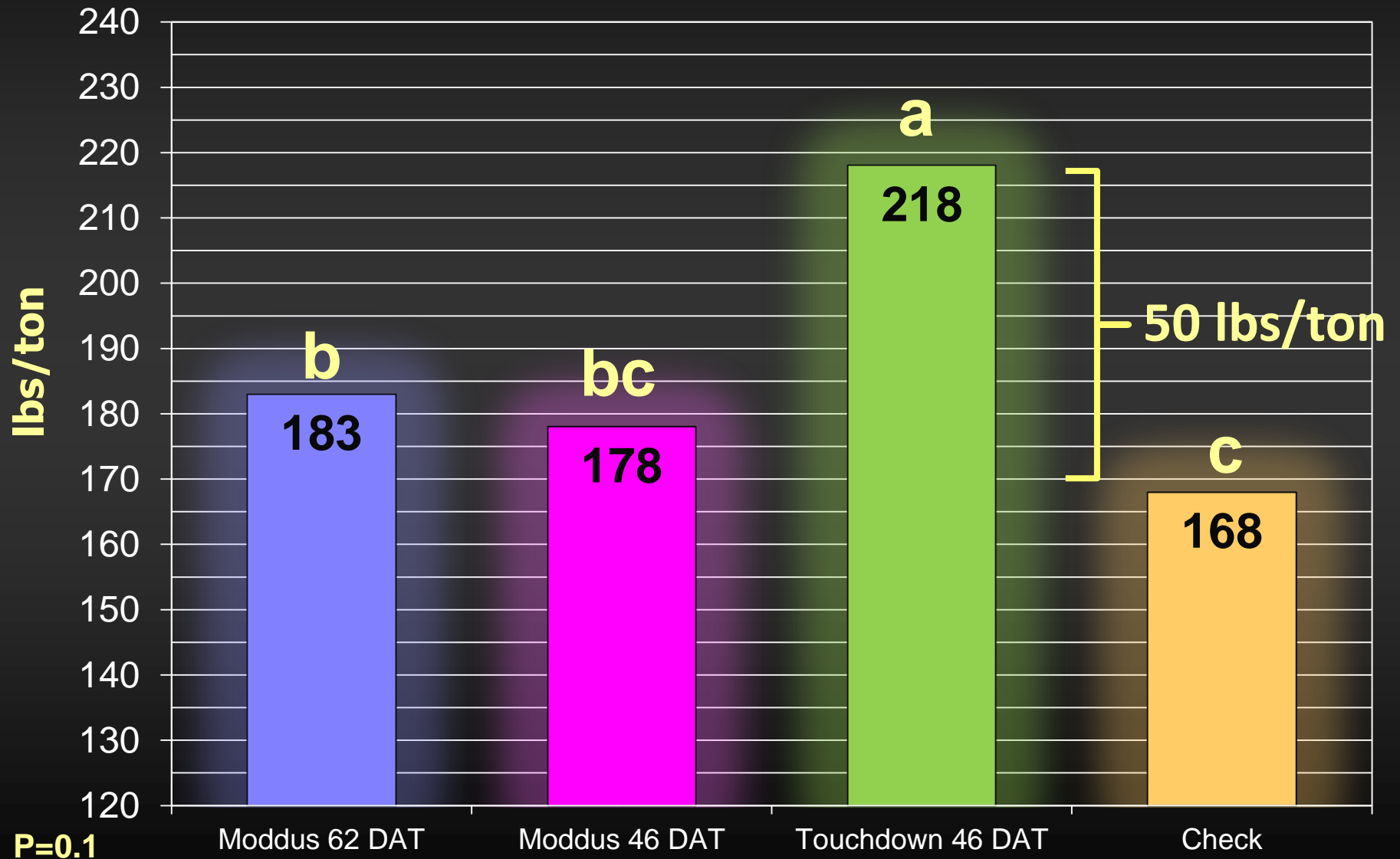
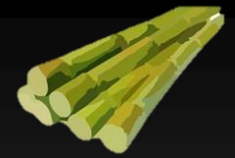
Commercial Yield Data - 540 2nd Stubble



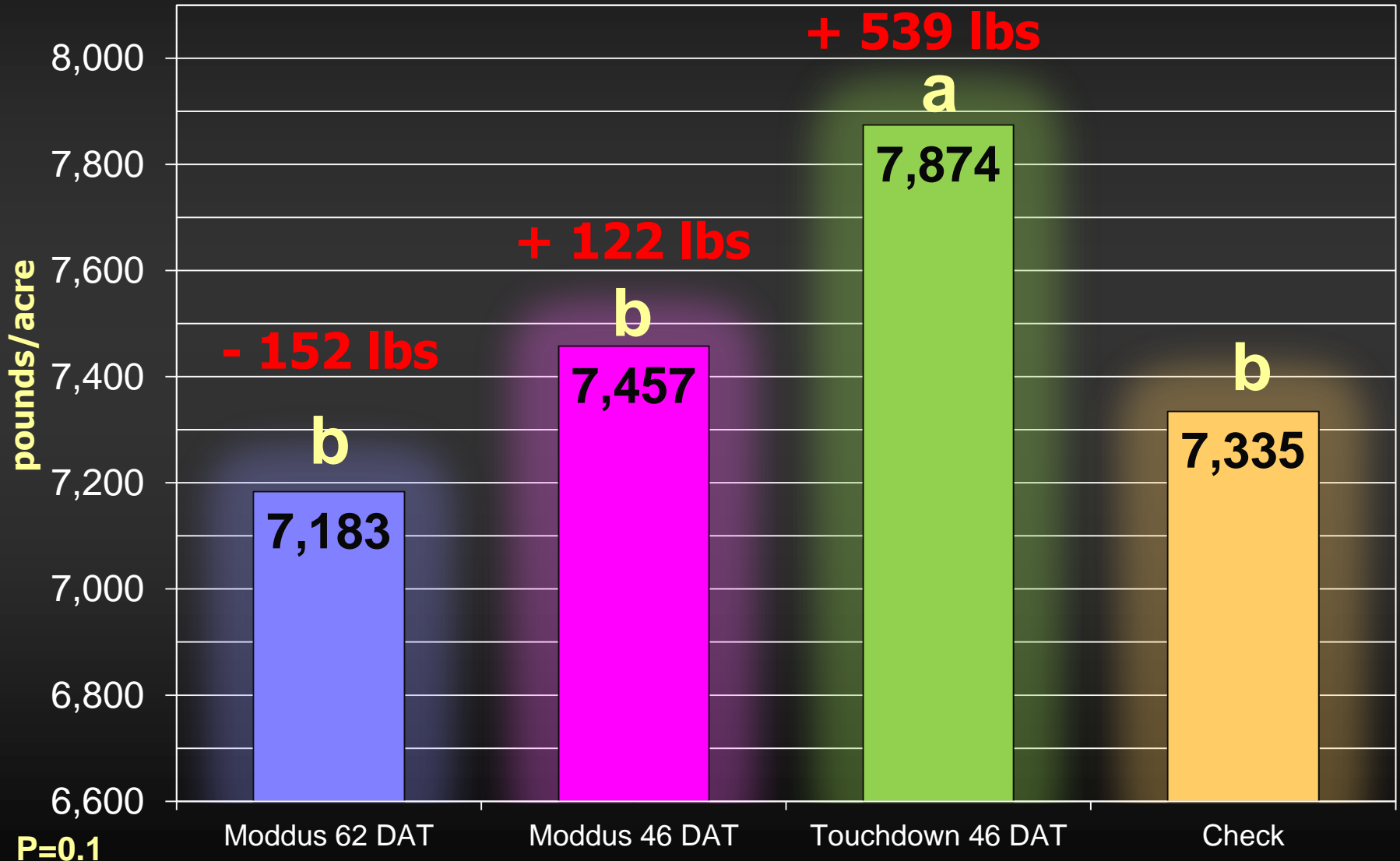
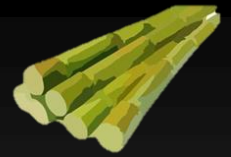
Cane Yield



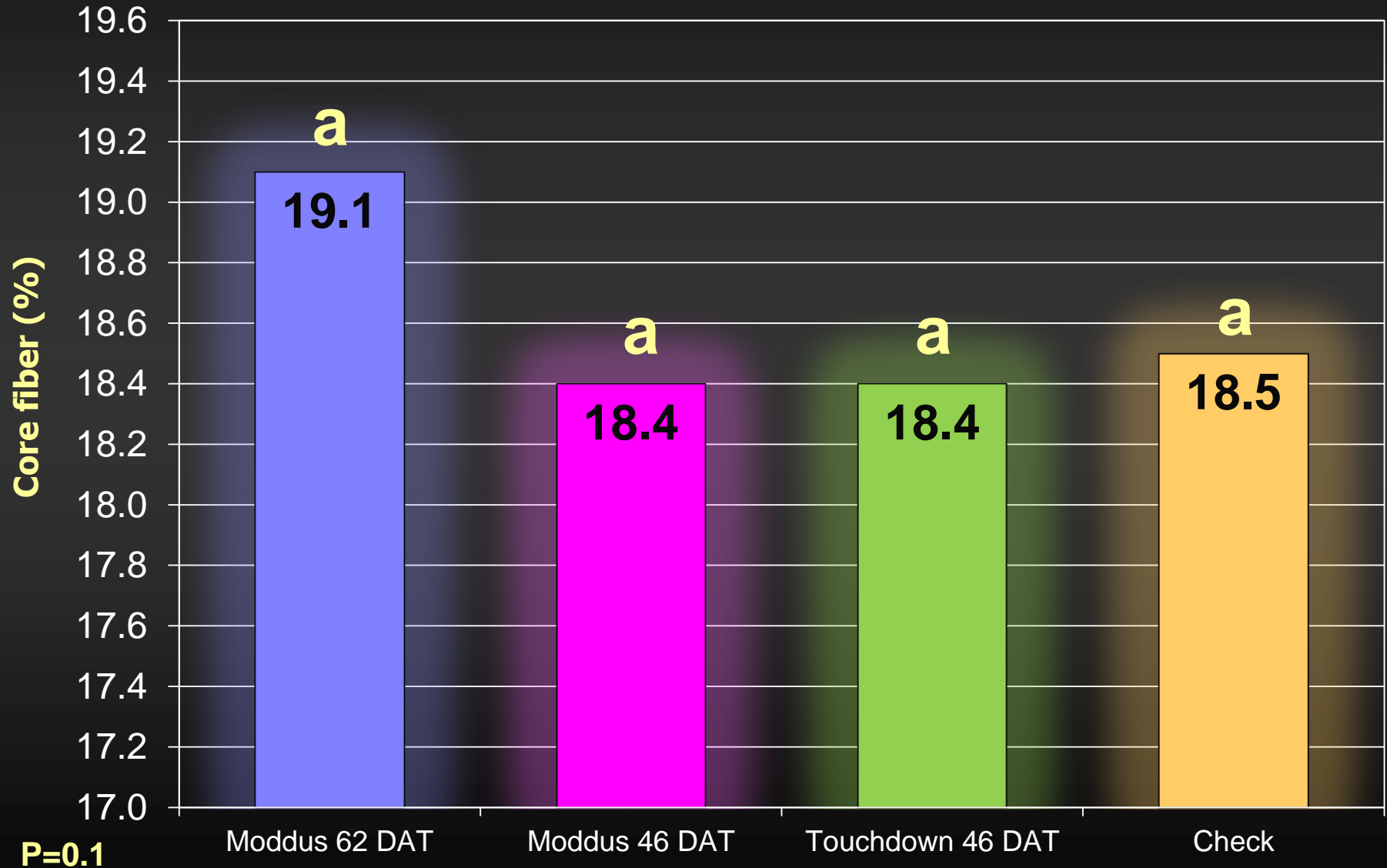
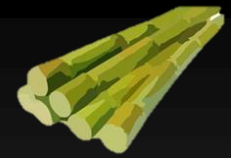
Core Sampler TRS



Sugar Yield



Core Sample Fiber





**CALVIN VIATOR, PH.D.
AND ASSOCIATES, LLC**
