

Comparison of Fatty Alcohol Systems with Standard Sucker Control Systems in Burley Tobacco

Burley Coop Sucker Control Trial – UKREC, 2009

- TN 90LC set May 22
 - 40” rows, 32” plant spacing (4900 plants/A)
- 3-row plots, 2 plot rows + 1 border row
 - Approx. 30 plants per 2 rows
- All applications made with 2-row boom
 - 3 nozzles/row, all TG-5 coarse nozzles, 55 gal/A
- Initial fatty alcohol application made 1 day prior to topping
 - All plots treated (including border rows) on August 10
 - Tobacco topped (approx. 40% bloom) on August 11
- 3 additional applications made at approx. 7 day intervals
 - August 14 (trts 2-10); August 21 (trts 3-4); August 27 (trt 4 only)
- Sucker control data collected 7 days after last application and just prior to harvest

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Treatments

Trt #	Treatment	Rate	Application Date (s)
1	1 OST	4% solution	8/10 (all plots)
2	OST fb OST	4% sol.	8/10, 8/14
3	OST fb OST fb OST	4 % sol.	8/10, 8/14, 8/21
4	OST fb OST fb OST fb OST	4% sol.	8/10, 8/14, 8/21, 8/27
5	OST fb OST + Butralin	4% fb 4% + 1 gal/A	8/10, 8/14
6	OST fb OST + Prime+	4% fb 4% + 1 gal/A	8/10, 8/14
7	OST fb MH-30 + Butralin	4% fb 1.5 gal/A + 0.5 gal/A	8/10, 8/14
8	OST fb MH-30 + Prime+	4% fb 1.5 gal/A + 0.5 gal/A	8/10, 8/14
9	OST fb MH-30	4% fb 1 gal/A	8/10, 8/14
10	OST fb MH-30	4% fb 2 gal/A	8/10, 8/14

*OST = Off Shoot-T; fb = followed by.

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Sucker Control Data

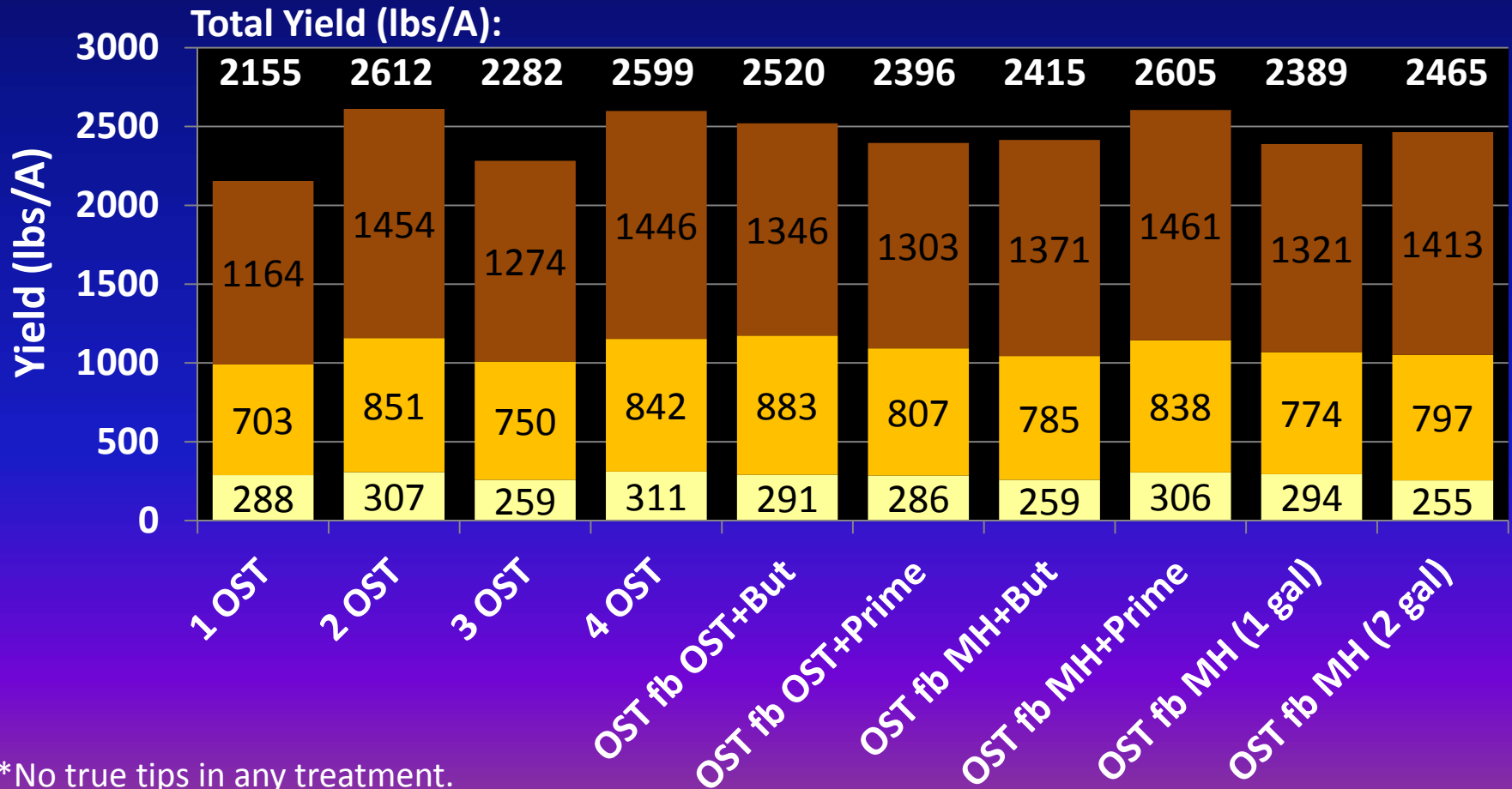
Trt #	Treatment	% Control	% Plants w/ Suckers	# Axil Suckers	# Ground Suckers	# Total Suckers	Total Sucker Wt. (lbs)
1	1 OST	45	79	37	28	65	21.1
2	2 OST	77	56	11	18	29	18.7
3	3 OST	76	55	12	21	33	10.7
4	4 OST	81	56	10	22	31	20.0
5	OST fb OST+But	82	42	6	19	24	17.3
6	OST fb OST+Prime	88	37	3	16	19	13.9
7	OST fb MH+But	88	54	5	27	32	19.7
8	OST fb MH+Prime	95	42	4	16	20	10.0
9	OST fb MH (1 gal)	83	67	17	32	49	20.2
10	OST fb MH (2 gal)	92	51	4	27	31	20.4
	LSD _{0.05}	11	23	13	14	21	10.0

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Burley Yield Data

LSD_{0.05} = 48 151 302 418 (total)
 ■ Flyings ■ Cutters ■ Leaf



*No true tips in any treatment.

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Burley Quality Grade Index Data

LSD_{0.05} = 5.2
■ Grade Index

