

2010 Chemtura Dark Tobacco Sucker Control Trial

UKREC - Princeton, KY

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Trial Specifications

- PD 7318LC dark tobacco transplanted May 25, 2010
 - 4900 plants/A (40" row spacing, 32" plant spacing)
- Randomized complete block design
- 4 replications
- Plots 4-rows, 40 ft. long, all 4 rows treated
- Treatments applied broadcast with standard straight boom and 20" nozzle spacing, coarse TG5 solid cone nozzles, 50 gal/A spray volume
- Tobacco harvested September 21, 2010, fire-cured
 - Sucker control data collected September 20

Treatments

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Trt #	Treatment	Rate/A	Timing
1	Untreated (2 OST)	2 gal	At topping
2	OST + Butralin OST + Flupro	2 gal + 1 gal 2 gal + 1 gal	At topping 7 days
3	Royal MH-30 + Butralin	1 gal + 1 gal	At topping
4	Royal MH-30 + Butralin	1.25 gal + 0.5 gal	At topping
5	OST Royal MH-30 + Butralin	2 gal 1.25 gal + 0.5 gal	At topping 7 days

*Treatments 2-5 received 2 OST applications prior to actual treatment applications.
At-topping applications made August 20, 7 day applications made August 27.

Sucker Control and Sucker Biomass Data

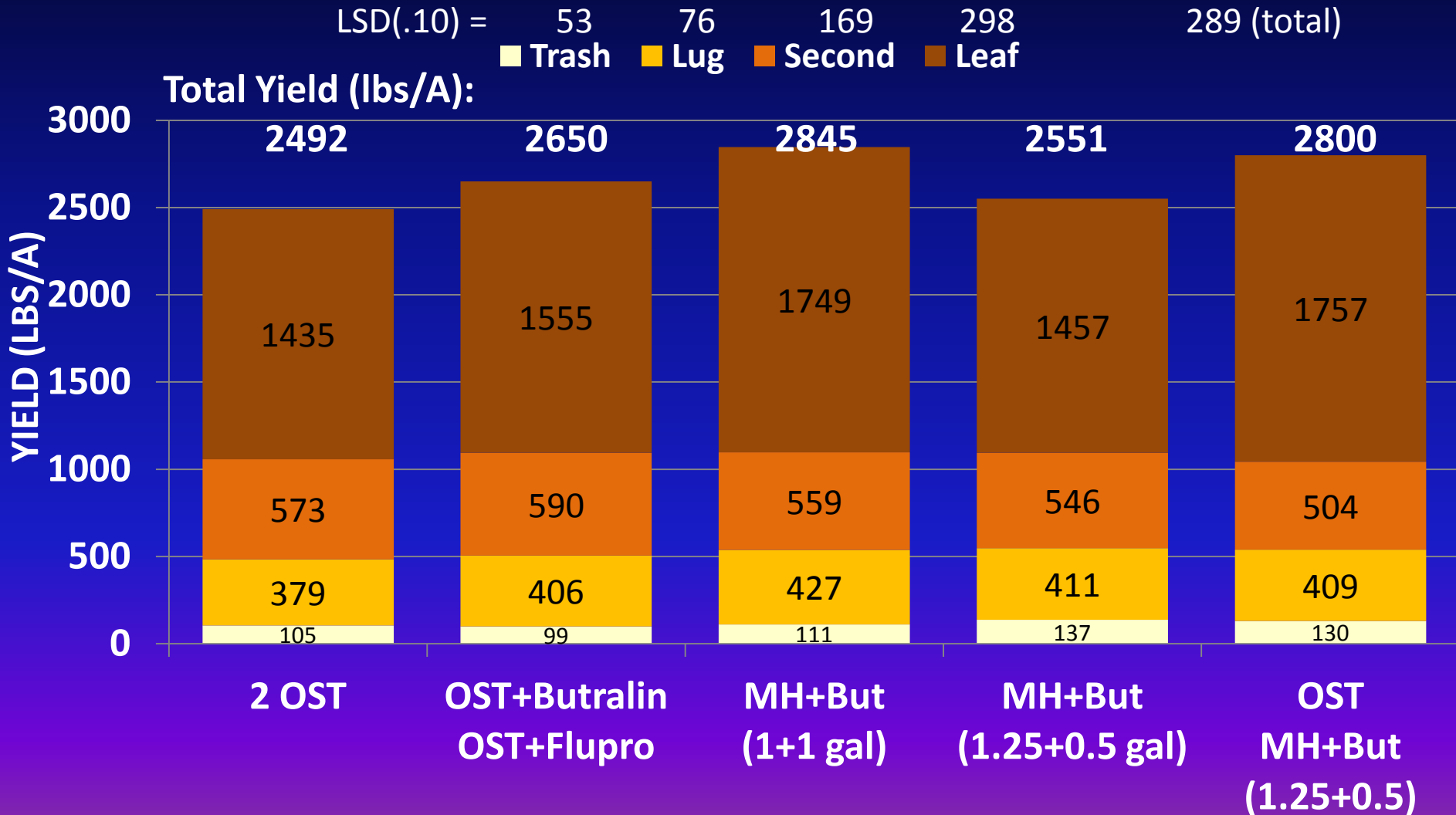
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Trt #	Treatment	Rate/A	Timing	% Sucker Control	Sucker Biomass per plot (lbs) (10 plants)
1	Untreated (2 OST)	2 gal	At topping	19 c	24.7 a
2	OST + Butralin OST + Flupro	2 gal + 1 gal 2 gal + 1 gal	At topping 7 days	48 b	18.7 ab
3	Royal MH-30 + Butralin	1 gal + 1 gal	At topping	57 b	12.0 b
4	Royal MH-30 + Butralin	1.25 gal + 0.5 gal	At topping	79 a	10.1 b
5	OST Royal MH-30 + Butralin	2 gal 1.25 gal + 0.5 gal	At topping 7 days	85 a	9.3 b
			LSD (0.10)=	10.55	6.76

*Wind damage in late July may be associated with lower than normal sucker control levels.

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UKREC, Princeton, KY – Dark-Fired Yield



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UKREC, Princeton, KY – Dark-Fired Quality Grade Index

LSD(.10) = 17.8
■ Quality Grade Index

