

2008 Burley Tobacco Sucker Control Trial

UKREC, Princeton, KY

- TN 90LC set May 31
 - 4900 plants/A
 - 40" rows, 32" plant spacing
- RCBD with 4 replications of treatments
- 2 toppings: 1st topping August 5, 2nd topping August 14
- 2 fatty alcohol (Off Shoot-T, 2 gal/A) applications made at 1st and second topping by dropline.
- All other applications made as over-the-top spray applications
 - Spray boom arrangements:
 - 3-nozzle/row, 2-row boom, all TG-5's, 55 gal/A
 - Straight boom with 20" nozzle spacing:
 - TG 3-4-3 alternating nozzle arrangement at 50 gal/A
 - TG 5-6-5 alternating nozzle arrangement at 60 gal/A
- Data collected: preharvest sucker control and sucker weight per plot (center 2 rows – 30 plants), burley yield and quality

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UKREC, Princeton, KY - Treatments

Treatment	Rate/Acre	Application Timing	Application Volume
2 OST fb OST+Butralin	1 gal/A Butralin	5-7 days	55 gal/A
2 OST fb OST+Prime+	1 gal/A Prime+	5-7 days	55 gal/A
2 OST fb OST+But fb OST+But	0.5 gal/A But fb 0.5 gal/A But	5-7d/10-14d	55 gal/A
2 OST fb OST+But fb OST+Flupro	0.5 gal/A But fb 0.5 gal/A Flupro	5-7d/10-14d	55 gal/A
2 OST fb OST+But fb OST+APEfree Flupro	0.5 gal/A But fb 0.5 gal/A APEfree Flupro	5-7d/10-14d	55 gal/A
2 OST fb Butralin fb Flupro	1 gal/A But fb 1 gal/A Flupro	5-7d/10-14d	55 gal/A
2 OST fb Butralin fb APEfree Flupro	1 gal/A But fb 1 gal/A APEfree Flupro	5-7d/10-14d	55 gal/A
2 OST fb OST+But fb OST+Flupro	1 gal/A But fb 1 gal/A Flupro	5-7d/10-14d	50 gal/A
2 OST fb OST+But fb OST+Flupro	1 gal/A But fb 1 gal/A Flupro	5-7d/10-14d	60 gal/A
2 OST fb Royal MH-30 + Prime+	1.5 gal/A MH + 0.5 gal/A Prime+	5-7 days	55 gal/A
2 OST fb Royal MH-30 + Butralin	1.5 gal/A MH + 0.5 gal/A But	5-7 days	55 gal/A
Untreated (2 OST applications only)	-	-	-

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UKREC, Princeton, KY – Preharvest Plot Ratings

Treatment	Rate/Acre	% Sucker Control	Sucker Wt (lb) per plot
2 OST fb OST+Butralin	1 gal/A Butralin	82	8.2
2 OST fb OST+Prime+	1 gal/A Prime+	84	6.6
2 OST fb OST+But fb OST+But	0.5 gal/A But fb 0.5 gal/A But	85	9.6
2 OST fb OST+But fb OST+Flupro	0.5 gal/A But fb 0.5 gal/A Flupro	84	8.5
2 OST fb OST+But fb OST+APEfree Flupro	0.5 gal/A But fb 0.5 gal/A APEfree Flupro	77	6.8
2 OST fb Butralin fb Flupro	1 gal/A But fb 1 gal/A Flupro	83	7.3
2 OST fb Butralin fb APEfree Flupro	1 gal/A But fb 1 gal/A APEfree Flupro	80	9.9
2 OST fb OST+But fb OST+Flupro	1 gal/A But fb 1 gal/A Flupro	83	6.8
2 OST fb OST+But fb OST+Flupro	1 gal/A But fb 1 gal/A Flupro	86	7.7
2 OST fb Royal MH-30 + Prime+	1.5 gal/A MH + 0.5 gal/A Prime+	97	1.5
2 OST fb Royal MH-30 + Butralin	1.5 gal/A MH + 0.5 gal/A But	95	0.75
Untreated (2 OST applications only)	-	61	14.0
LSD _{0.05}		4.3	5.9

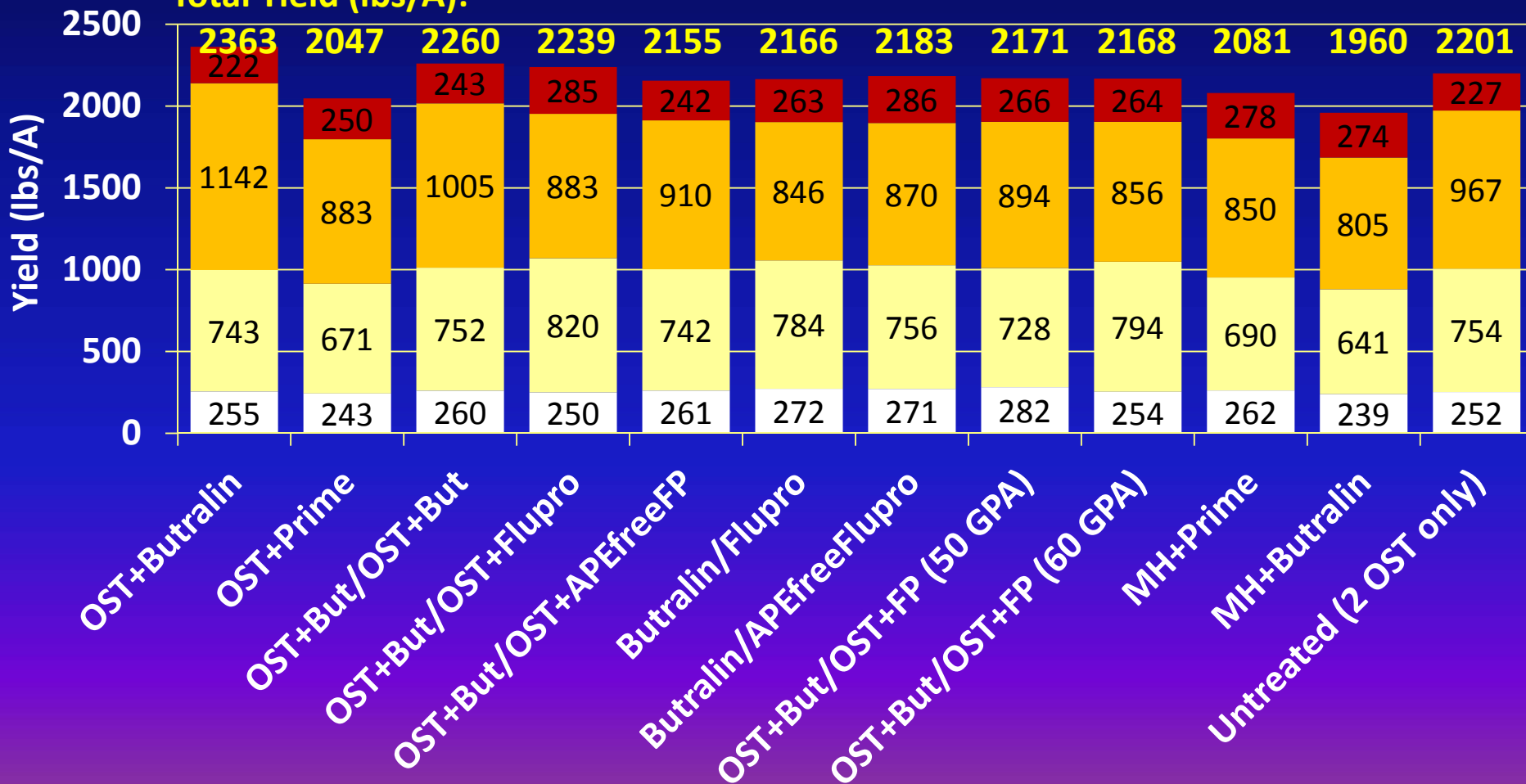
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UKREC, Princeton, KY – Burley Yield

LSD_{0.05} = 40 193 249 62 348 (total)

Flyings
 Cutters
 Leaf
 Tips

Total Yield (lbs/A):



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UKREC, Princeton, KY – Burley Quality Grade Index

LSD_{0.05} = 7.6
■ Grade Index

