

2006 Regional Sucker Control Trial for Burley Tobacco

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Methods

- 'TN 90' burley tobacco set May 24, 2006
 - 40" row spacing, 32" plant spacing (4900 plants/A)
- Plots 4-rows, 40 ft. long
- RCBD with 4 replications
- Tobacco topped July 25, 2006

Treatments

Trt	Treatment	Rate/A	Timing	Method
1	Royal MH-30	2 gal	14 days	OT
2	Royal MH-30	1.5 gal	14 days	OT
3	Royal MH-30 + Flupro	1.5 gal + 0.5 gal	14 days	OT
4	Royal MH-30 + Butralin	1.5 gal + 0.5 gal	14 days	OT
5	Royal MH-30 + Prime+	1.5 gal + 0.5 gal	14 days	OT
6	Royal MH-30 + Butralin + Royal TacM	1 gal + 0.5 gal + 2 gal	14 days	SRD
7	Royal TacM Butralin + Royal TacM	2 gal 0.5 gal + 2 gal	14 days 21 days	OT SRD
8	Royal TacM (5 weekly applications)	2 gal	Weekly	OT

*OT=over-the-top; SRD=stalk rundown. Timing is days after topping.

**All treatments (except trt 8) follow 2 contacts of Royal TacM at 2 gal/A OT.

Application

- Over-the-top (OT) applications made with 3-nozzle/row system (all TG-5's) at 55 gal/A.
 - 2 row boom covering 2 rows/pass
- Stalk rundown (SRD) applications made with single TG-5 nozzle with backpack sprayer applying 0.75 oz of spray solution per plant.

Pre-Harvest Sucker Control Evaluation

5 wks after topping, just prior to harvest

Treatment	% Sucker Control	Sucker Fresh Wt/A (lbs)
Royal MH-30	95 a	781 d
Royal MH-30	94 a	1010 d
Royal MH-30 + Flupro	93 a	1126 d
Royal MH-30 + Butralin	94 a	847 d
Royal MH-30 + Prime+	91 a	1220 d
Royal MH-30 + Butralin + Royal TacM	84 b	2543 c
Royal TacM Butralin + Royal TacM	77 c	3938 d
Royal TacM (5 weekly applications)	73 c	5446 a
LSD(0.05)	5.5	1185

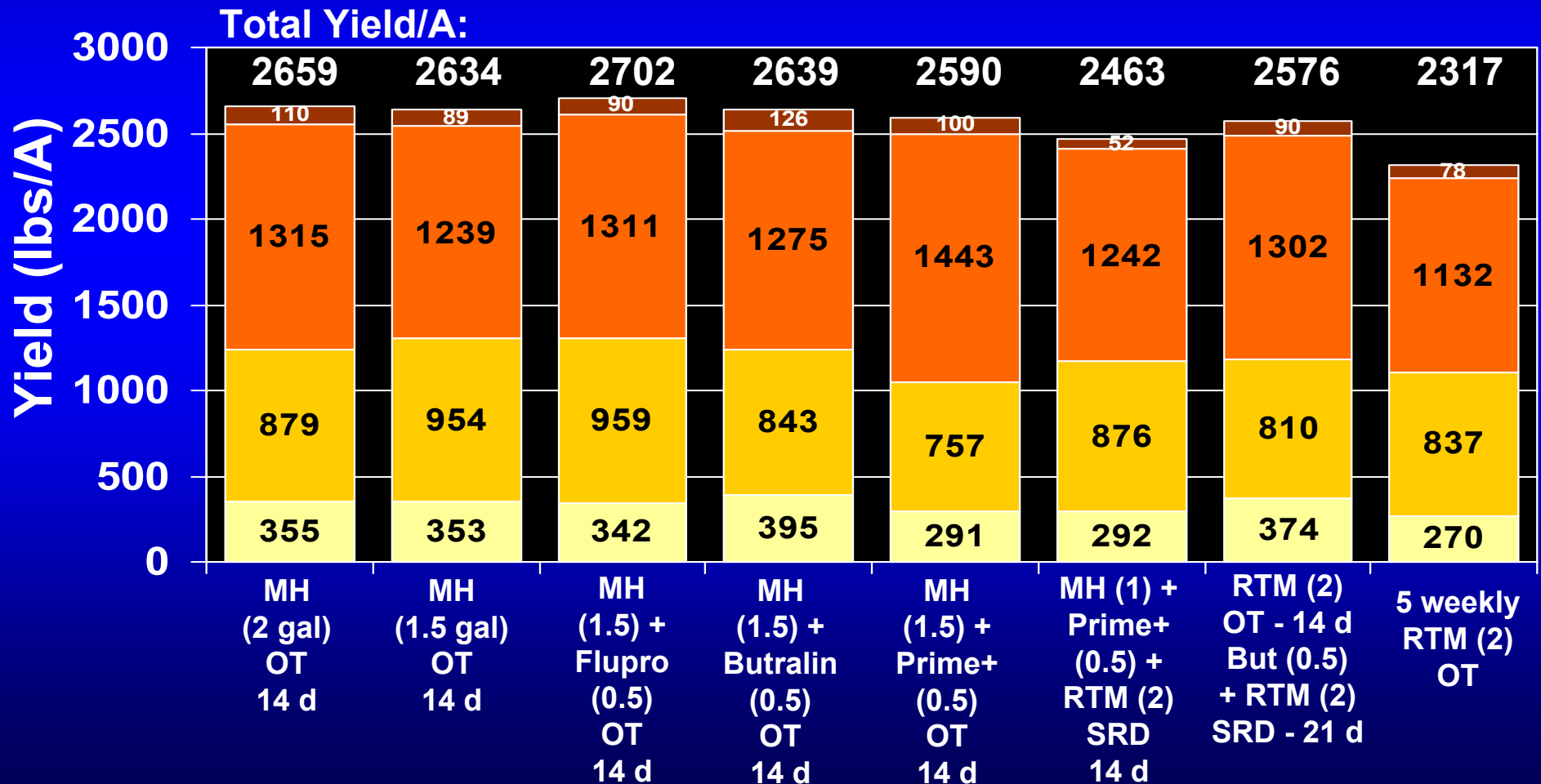
2006 Burley Tobacco Yield

Regional Burley Sucker Control Trial

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LSD(0.05) = 85 243 210 43 309 (Total)

Flying
 Cutter
 Leaf
 Tip



Grade Index and Gross Revenue

***Based on 2004 USDA Price Support for Type 31 Burley**

Treatment	Grade Index (0-100)	*Gross Revenue (\$/A)
Royal MH-30	70.9 a	5250 a
Royal MH-30	71.1 a	5186 a
Royal MH-30 + Flupro	70.4 a	5317 a
Royal MH-30 + Butralin	68.4 a	5208 a
Royal MH-30 + Prime+	69.3 a	5100 ab
Royal MH-30 + Butralin + Royal TacM	71.0 a	4845 ab
Royal TacM Butralin + Royal TacM	70.2 a	5071 ab
Royal TacM (5 weekly applications)	72.0 a	4558 b
LSD(0.05)	4.5	603