

2006 MH-Free Sucker Control Trial for Dark Tobacco

Andy Bailey

Dark Tobacco Extension Specialist

Univ. of KY / Univ. of TN

UKREC, Princeton, KY

Methods

- 'Narrowleaf Madole LC' dark tobacco set May 24
– 40" row spacing, 32" plant spacing (4900 plants/A)
- Plots 4-rows, 40 ft. long
- RCBD with 4 replications
- First topping on July 20, 2006

Treatments

Trt	Treatment	Rate/A	Timing	Method
1	Royal TacM fb Royal TacM fb Butralin fb Butralin	2 gal / 2 gal 1 gal / 1 gal	AT / 7 d 14 d / 21 d	OT
2	Royal TacM fb Royal TacM fb Royal TacM + Butralin	2 gal / 2 gal 2 gal + 1 gal	AT / 7 d 14 d	OT
3	Royal TacM fb Royal TacM fb Royal TacM fb Butralin	2 gal / 2 gal 2 gal / 1 gal	AT / 7 d 14 d / 21 d	OT
4	Royal TacM fb Royal TacM fb Royal MH-30	1 gal / 2 gal 1.5 gal	AT / 7 d 14 d	OT
5	5 weekly Royal TacM	2 gal	weekly	OT

*AT=at topping; OT=over-the-top. Timing is days after topping.

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 per pass.

Pre-Harvest Sucker Control Evaluation

5 wks after topping, just prior to harvest

Treatment	% Sucker Control	Sucker Fresh Wt/A (lbs)
Royal TacM fb Royal TacM fb Butralin fb Butralin	69 c	16110 a
Royal TacM fb Royal TacM fb Royal TacM + Butralin	71 c	12435 a
Royal TacM fb Royal TacM fb Royal TacM fb Butralin	77 b	12441 a
Royal TacM fb Royal TacM fb Royal MH-30	87 a	7100 b
5 weekly Royal TacM	68 c	13035 a
LSD(0.05)	4.9	4557

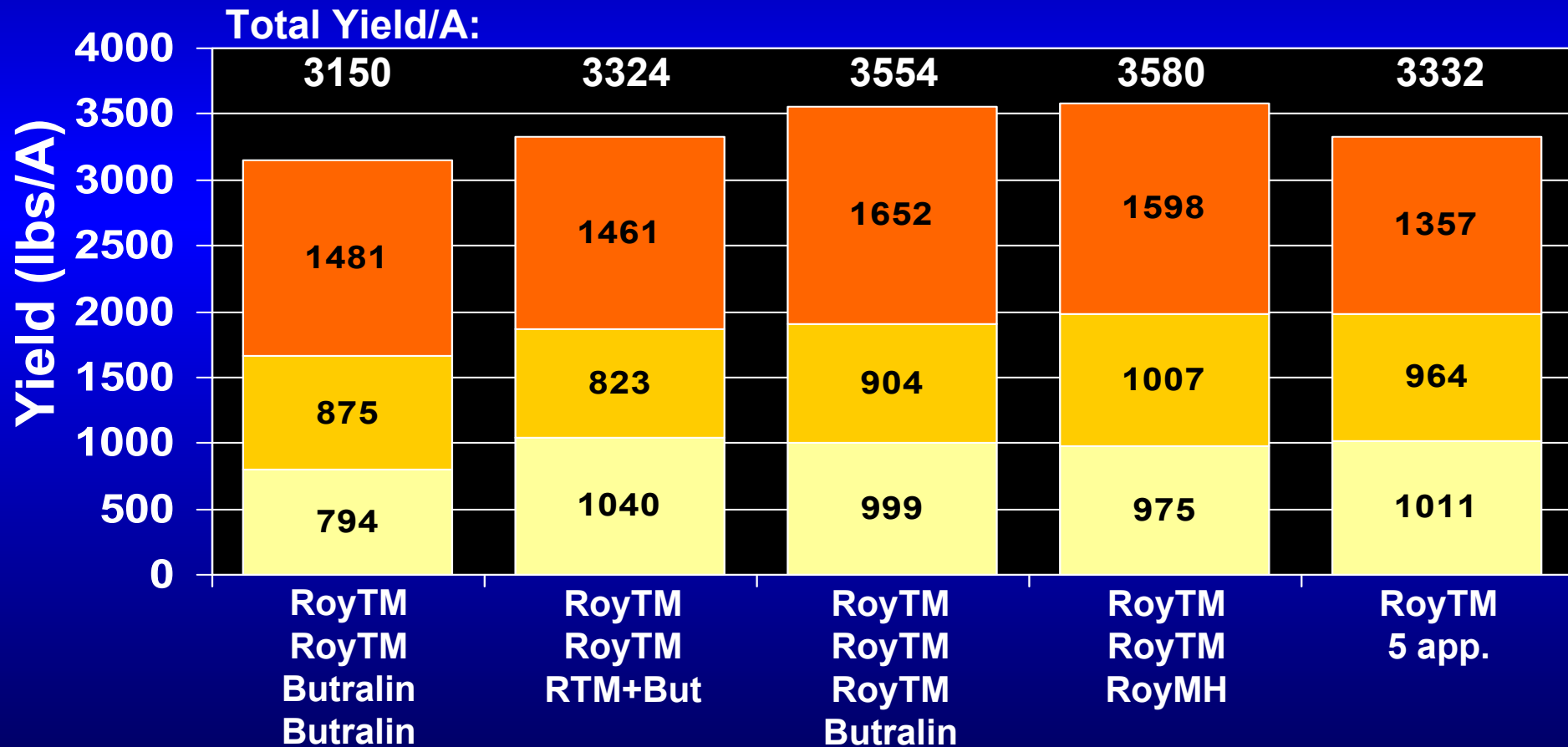
2006 Dark Tobacco Yield

MH-Free Dark Sucker Control Trial

UKREC, Princeton, KY

LSD(0.05) = 185 279 433 411 (Total)

■ Lug ■ Second ■ Leaf



Grade Index and Gross Revenue

***Based on 2004 USDA Price Support for Type 22 Dark-Fired Tobacco**

Treatment	Grade Index (0-100)	*Gross Revenue (\$/A)
Royal TacM fb Royal TacM fb Butralin fb Butralin	55.3 a	5366 a
Royal TacM fb Royal TacM fb Royal TacM + Butralin	58.3 a	5766 a
Royal TacM fb Royal TacM fb Royal TacM fb Butralin	56.5 a	5841 a
Royal TacM fb Royal TacM fb Royal MH-30	51.9 a	5647 a
5 weekly Royal TacM	52.1 a	5370 a
LSD(0.05)	11.6	1010