

# 2006 Regional 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	2 gal	AT	OT
	Royal MH-30	2 gal	7 d	OT
2	Royal TacM fb	2 gal	AT	OT
	Royal MH-30	1.5 gal	7 d	OT
3	Royal TacM fb	2 gal	AT	OT
	Royal MH-30 + Butralin	1.5 gal + 0.5 gal	7 d	OT
4	Royal TacM fb	2 gal	AT	OT
	Royal MH-30 + Flupro	1.5 gal + 0.5 gal	7 d	OT
5	Royal TacM fb	2 gal	AT	OT
	Roy MH + Butralin + RoyTM	1 gal + 0.5 gal + 2 gal	7 d	SRD
6	Check (topped not suckered)	0	-	-

\*AT=at topping; OT=over-the-top; SRD=stalk rundown. 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/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 TacM fb Royal MH-30	95 a	2134 c
Royal TacM fb Royal MH-30	91 a	3833 c
Royal TacM fb Royal MH-30 + Butralin	93 a	4766 c
Royal TacM fb Royal MH-30 + Flupro	94 a	3340 c
Royal TacM fb Roy MH+Butralin+RoyTM SRD	74 b	11878 b
Check (topped not suckered)	0 c	29852 a
LSD(0.05)	7	4359

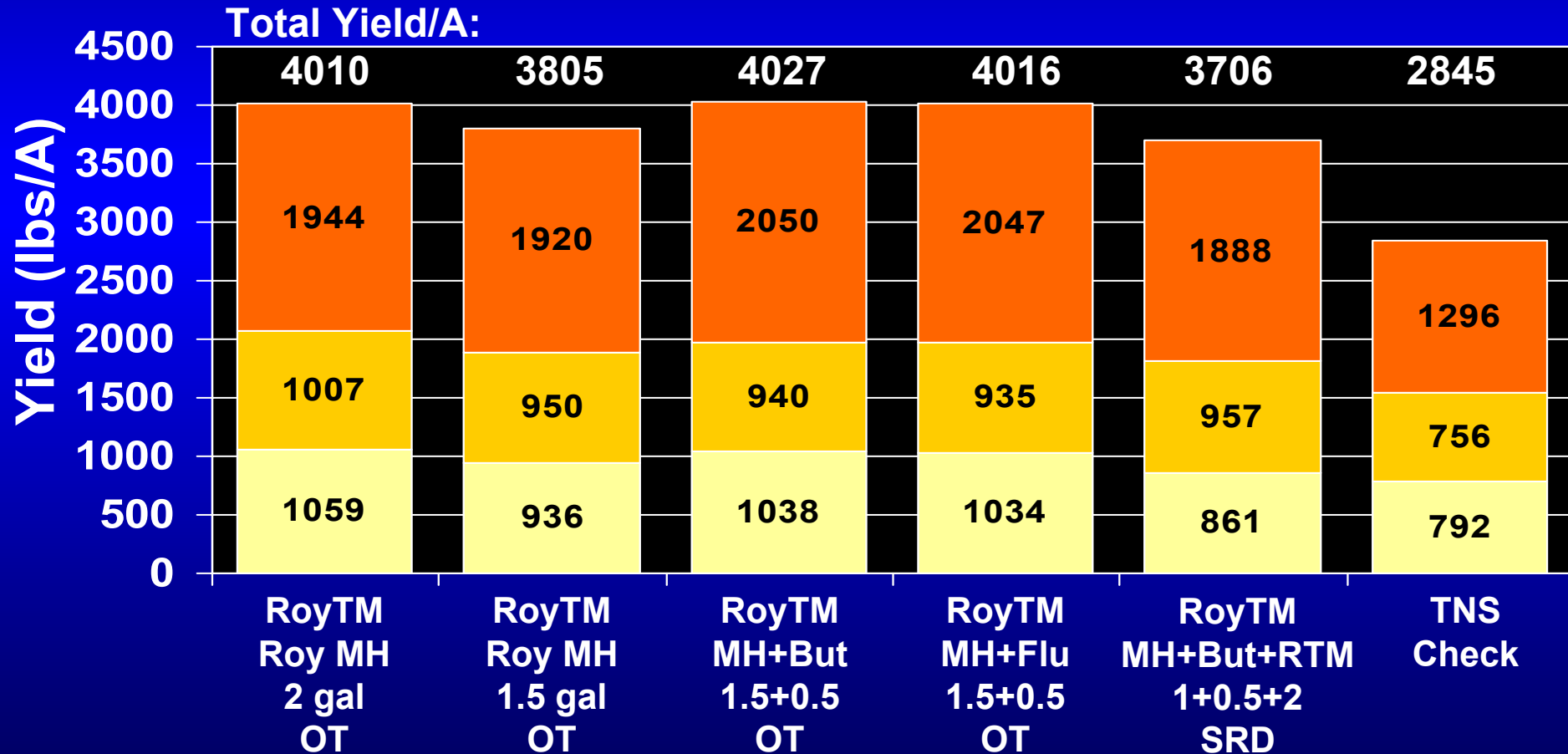
# 2006 Dark Tobacco Yield

## Regional Dark Sucker Control Trial

### UKREC, Princeton, KY

LSD(0.05) = 210 202 320 401 (Total)

■ Lug ■ Second ■ Leaf



# Grade Index and Gross Revenue

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

<b>Treatment</b>	<b>Grade Index (0-100)</b>	<b>*Gross Revenue (\$/A)</b>
<b>Royal TacM fb Royal MH-30</b>	<b>60.9 a</b>	<b>7278 a</b>
<b>Royal TacM fb Royal MH-30</b>	<b>59.3 a</b>	<b>6808 a</b>
<b>Royal TacM fb Royal MH-30 + Butralin</b>	<b>62.2 a</b>	<b>7417 a</b>
<b>Royal TacM fb Royal MH-30 + Flupro</b>	<b>59.6 a</b>	<b>7097 a</b>
<b>Royal TacM fb Roy MH+Butralin+RoyTM SRD</b>	<b>63.8 a</b>	<b>7003 a</b>
<b>Check (topped not suckered)</b>	<b>65.1 a</b>	<b>5493 b</b>
<b>LSD(0.05)</b>	<b>6.3</b>	<b>919</b>