

# Evaluation of Admire Pro in Dark Tobacco 2006

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# Methods

- 'Narrowleaf Madole LC' dark tobacco plants grown in UKREC Tobacco Greenhouse, Princeton, KY
  - 288-cell float trays, standard transplant production methods.
- All insecticide treatments applied May 23, 24 hrs prior to transplanting on May 24.
  - 40" rows, 32" plant spacing = 4900 plants/A
- Applications made as tray drench using 0.5 gal spray solution per 2 trays, immediately rinsed off foliage

# Methods

- Plots 4-rows, 40 ft. long
  - All plants treated (60 plants/plot)
  - Insect/TSWV ratings taken from all 4 rows
  - Yield data collected from center 2 rows (30 plants)
- RCBD with 4 replications
- Conventional tillage, standard field production
- Trial not sprayed with foliar insecticides until last aphid evaluation made on July 14.
- Plots harvested September 5, fire-cured

# Treatments

Trt #	Treatment	Rate (oz/1000 plants)	Method
1	Untreated check	0	Tray Drench
2	Admire Pro	0.5	Tray Drench
3	Admire Pro	0.8	Tray Drench
4	Admire Pro	1.0	Tray Drench
5	Platinum 2SC	0.9	Tray Drench
6	Admire Pro Actigard 50WG	0.8 0.0083	Tray Drench Foliar

\*Actigard applied to dry foliage after rinsing of Admire Pro in Trt 6.

# 2<sup>nd</sup> Rating: July 7

## 6.5 wks after transplanting

Treatment	Aphid (# plants infested per plot)	TSWV (# symptomatic plants per plot)	Budworm (# plants infested per plot)
Untreated check	5.75 a	1.0 a	1.75 ab
Admire Pro (0.5)	0.50 b	0.0 a	3.50 a
Admire Pro (0.8)	0.25 b	0.5 a	1.00 b
Admire Pro (1.0)	0.50 b	0.5 a	1.50 ab
Platinum 2SC	0.50 b	0.5 a	1.75 ab
Admire Pro (0.8) Actigard 50WG	0.50 b	0.0 a	1.00 b
LSD(0.05)	1.46	1.36	2.42

# 3rd Rating: July 14

## 7.5 wks after transplanting

Treatment	Aphid (# plants infested per plot)	TSWV (# symptomatic plants per plot)	Budworm (# plants infested per plot)
Untreated check	10.75 a	1.75 a	2.75 a
Admire Pro (0.5)	0.50 b	1.00 ab	3.00 a
Admire Pro (0.8)	0.00 b	0.25 b	1.25 a
Admire Pro (1.0)	0.00 b	0.75 ab	1.50 a
Platinum 2SC	0.25 b	0.50 b	1.75 a
Admire Pro (0.8) Actigard 50WG	0.00 b	0.00 b	3.25 a
LSD(0.05)	2.29	1.06	2.09

# 4th Rating: August 30

## 1 wk prior to harvest

Treatment	Plant Vigor (1-10, 10 best)	*TSWV (# symptomatic plants per plot)
Untreated check	9.13 ab	0.50 a
Admire Pro (0.5)	9.19 ab	0.25 a
Admire Pro (0.8)	9.38 a	0.25 a
Admire Pro (1.0)	8.88 b	0.00 a
Platinum 2SC	9.50 a	0.25 a
Admire Pro (0.8) Actigard 50WG	9.06 ab	0.00 a
LSD(0.05)	0.47	0.65

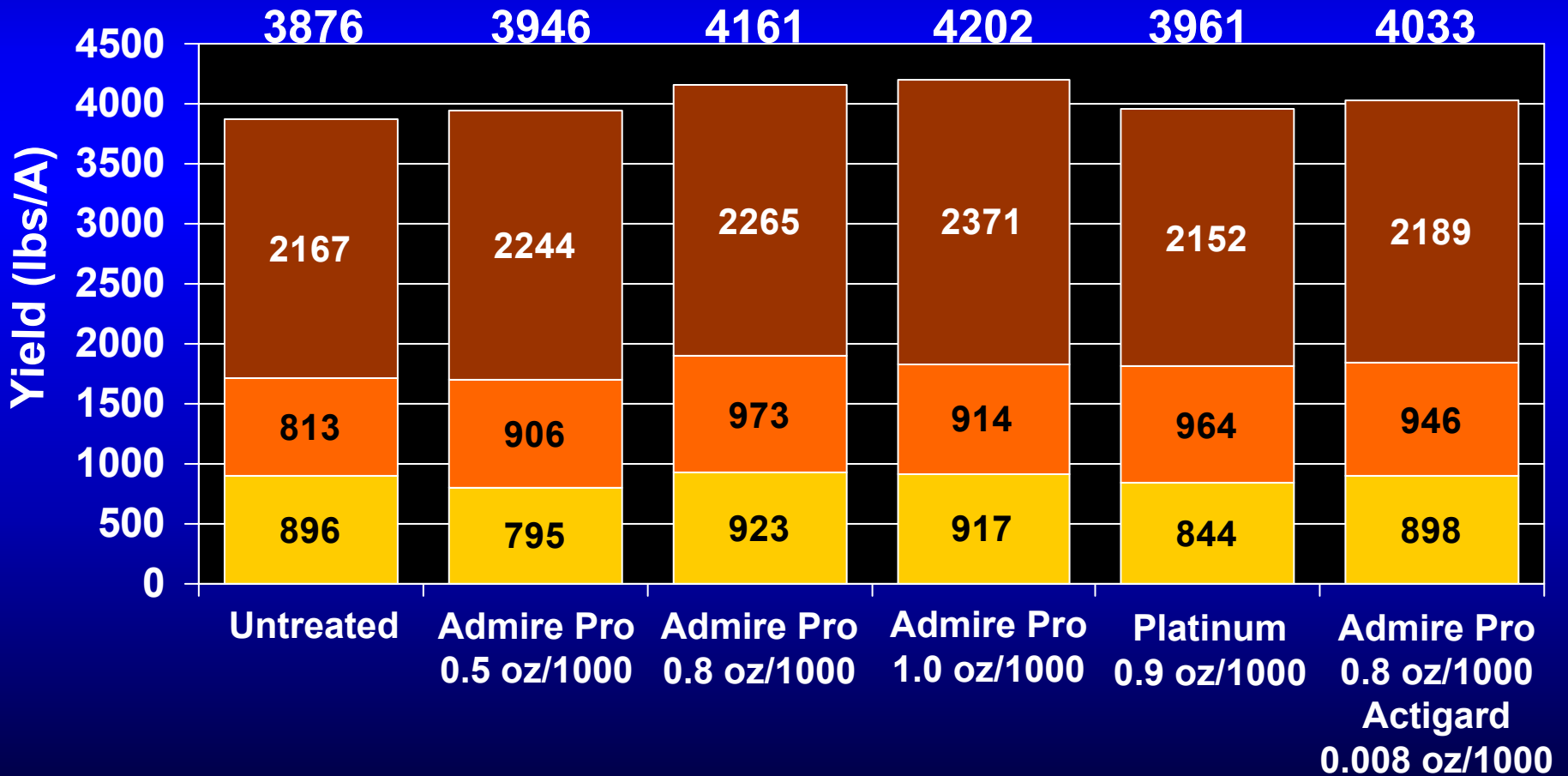
\*Most plants infected with TSWV already dead by Aug. 30, no obvious symptoms.

# Dark-Fired Tobacco Yield

## 2006 Admire Pro Trial – UKREC, Princeton, KY

LSD(0.05) = 320 165 362 327 (total)

Total Yield (lbs/A): Lug Second Leaf





# Quality 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)
Untreated check	67.4 a	7618 ab
Admire Pro (0.5)	67.8 a	7781 a
Admire Pro (0.8)	51.3 b	6841 b
Admire Pro (1.0)	60.6 a	7569 ab
Platinum 2SC	64.9 a	7441 ab
Admire Pro (0.8) Actigard 50WG	65.5 a	7765 a
LSD(0.05)	8.5	800