

# Alias 4F Insecticide in Burley Tobacco

## 2009 – UKREC, Princeton, KY

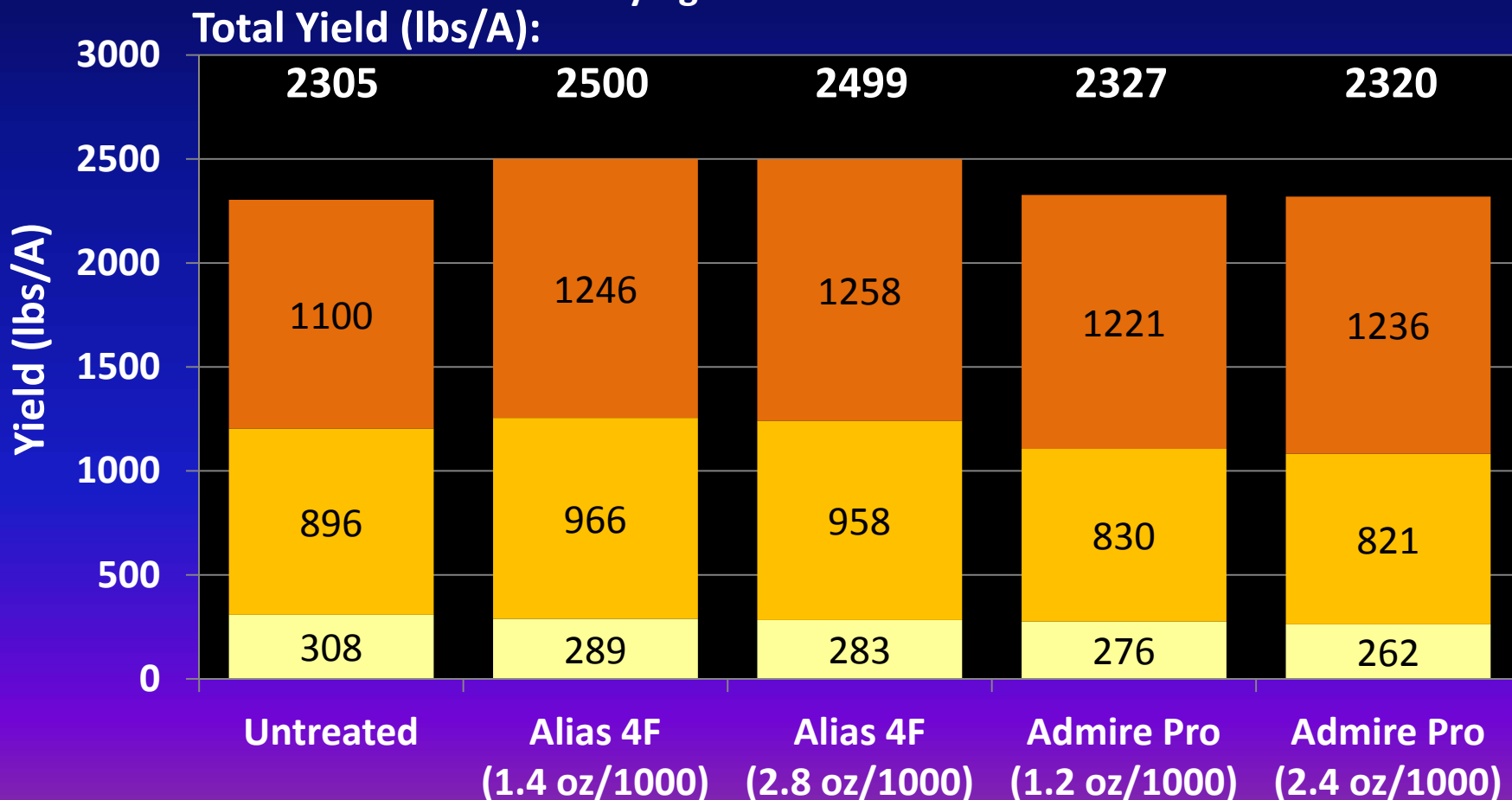
- Objective: compare Alias 4F (imidicloprid) to Admire Pro
- Tray drench applications made 2 days prior to transplanting
- TN 90LC set May 22
  - 4900 plants/A
  - 40" rows, 32" plant spacing
- RCBD with 4 replications
- 4 row plots, 40 ft. long
- Data collected:
  - Injury, plant stand, vigor, aphid control, yield, quality
- 5 treatments:
  - 1) Untreated check
  - 2) Alias 4F (1.4 oz/1000 plants)
  - 3) Alias 4F (2.8 oz/1000 plants)
  - 4) Admire Pro 4F (1.2 oz/1000)
  - 5) Admire Pro 4F (2.4 oz/1000)
- Trial harvested September 17
- Air-cured in cable hoist barn
- Wet field and curing season

# Alias 4F Insecticide in Burley Tobacco 2009 – UKREC, Princeton, KY Greenhouse and Field Ratings

Treatment	Greenhouse Rating (2 DAT)		% Injury June 29	Stand Count June 29	% Injury July 17	Crop Vigor (0-10 scale) July 27	Aphids/plot July 27
	% Shoot Injury	% Root Injury	0-100%	Plants/plot Max = 60	0-100%	0-10	#
Untreated	0	0	0 b	56.25 a	5.50 a	8.00 a	38.5 a
Alias 4F (1.4 oz/1000)	0	0	4.75 b	55.25 a	9.50 a	8.38 a	0.75 b
Alias 4F (2.8 oz/1000)	0	0	9.75 a	55.75 a	5.25 a	8.00 a	0.25 b
Admire Pro 4F (1.2 oz/1000)	0	0	4.25 b	54.00 a	5.50 a	8.25 a	0.75 b
Admire Pro 4F (2.4 oz/1000)	0	0	13.25 a	54.00 a	8.25 a	7.50 a	0.00 b
LSD <sub>0.05</sub>	-	-	4.97	3.25	5.93	1.52	9.84

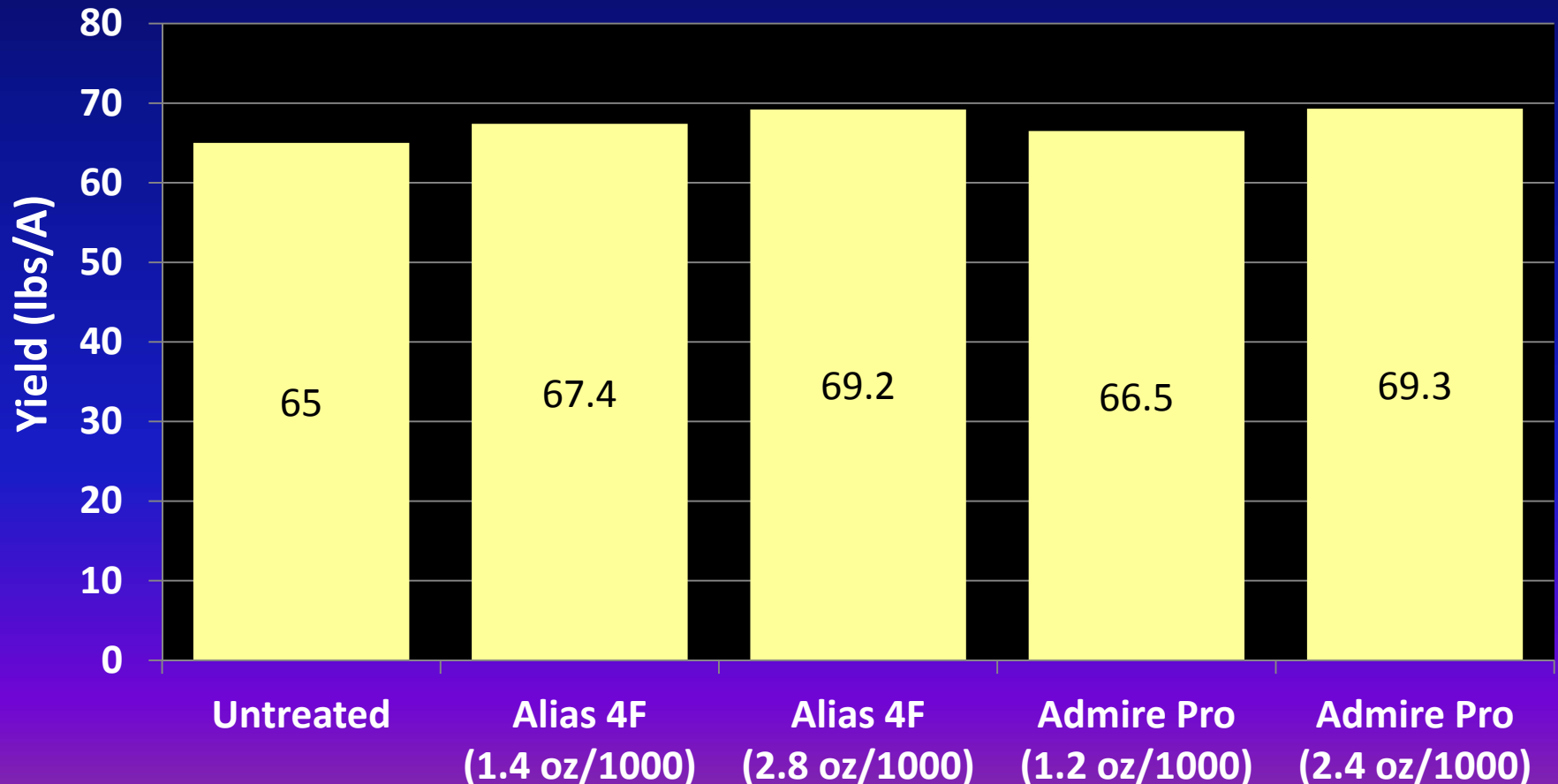
# Alias 4F Insecticide in Burley Tobacco 2009 – UKREC, Princeton, KY Burley Yield Data

LSD<sub>0.05</sub> = 50      197      220      373 (total)  
 Flyings     Cutters     Leaf



# Alias 4F Insecticide in Burley Tobacco 2009 – UKREC, Princeton, KY Burley Quality Grade Data

LSD<sub>0.05</sub> = 6.3  
■ Grade Index



# Alias 4F Insecticide in Burley Tobacco 2009 – UKREC, Princeton, KY Burley Data Summary

- Alias 4F appeared to be as safe to burley tobacco and as effective against aphids as Admire Pro.
- Yield and quality from burley tobacco treated with Alias 4F was equivalent to burley tobacco treated with Admire Pro.