

Alias 4F Insecticide in Dark Tobacco

2009 – UKREC, Princeton, KY

- Objective: compare Alias 4F (imidicloprid) to Admire Pro
- Tray drench applications made 2 days prior to transplanting
- PD 7318LC 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
- Fire-cured in cable hoist barn
- Wet field and curing season

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

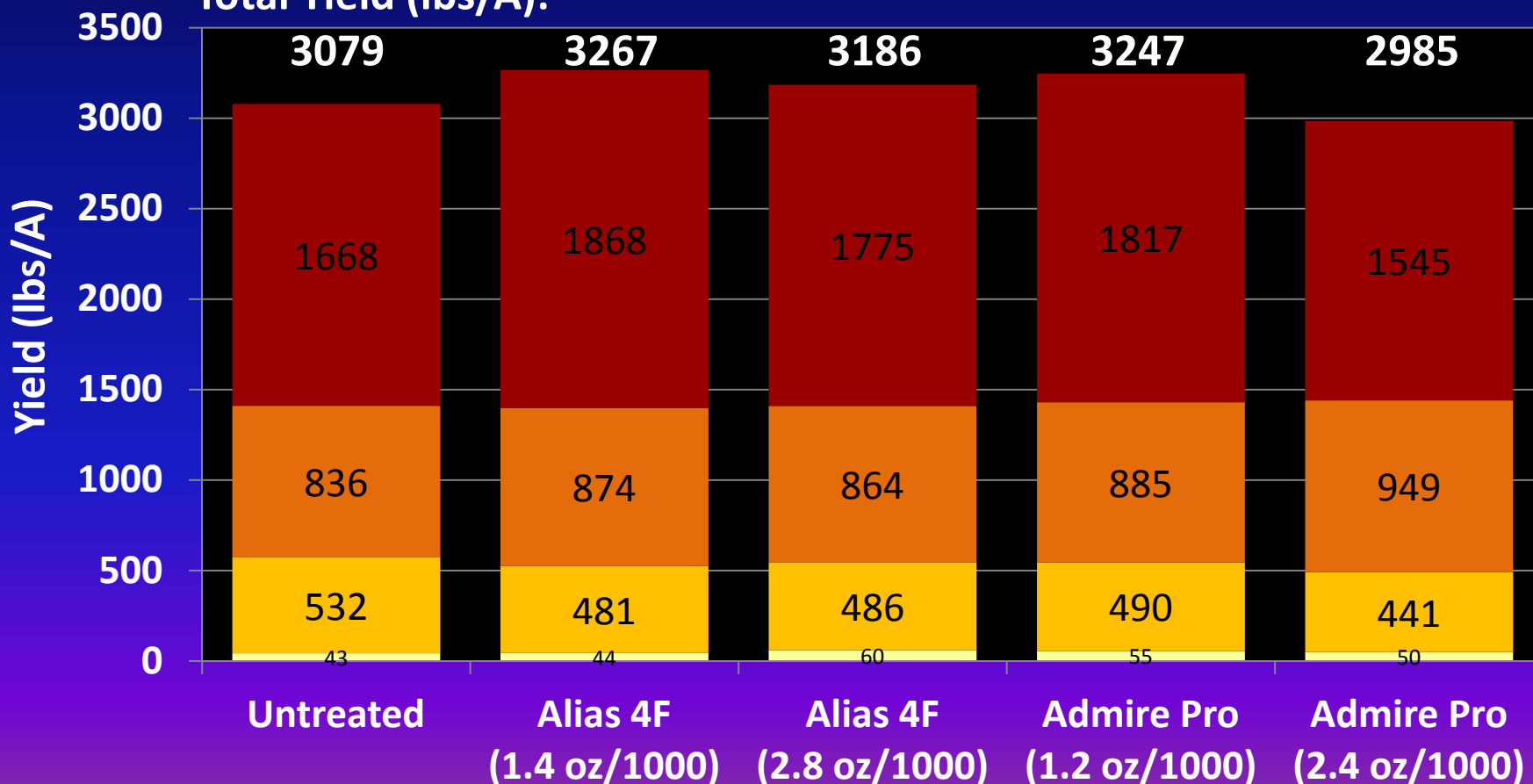
Treatment	Greenhouse Rating (2 DAT)		% Injury June 29	Stand Count June 29	% Injury July 17	Crop Vigor (0-10 scale) July 27	Aphids/plot July 27
	% Shoot Injury	% Root Injury	0-100%	Plants/plot Max = 60	0-100%	0-10	#
Untreated	0	0	0 b	52 ab	3.00 ab	8.75 a	27.5 a
Alias 4F (1.4 oz/1000)	0	0	5.25 ab	50 b	3.00 ab	8.31 a	0.75 b
Alias 4F (2.8 oz/1000)	0	0	6.25 a	51 ab	0.50 b	8.31 a	0.00 b
Admire Pro 4F (1.2 oz/1000)	0	0	5.25 ab	51 ab	4.25 a	8.38 a	0.25 b
Admire Pro 4F (2.4 oz/1000)	0	0	6.75 a	56 a	4.00 a	8.94 a	0.00 b
LSD _{0.05}	-		5.33	5.38	2.77	1.11	3.00

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

LSD_{0.05} = 37 128 219 360 388 (total)

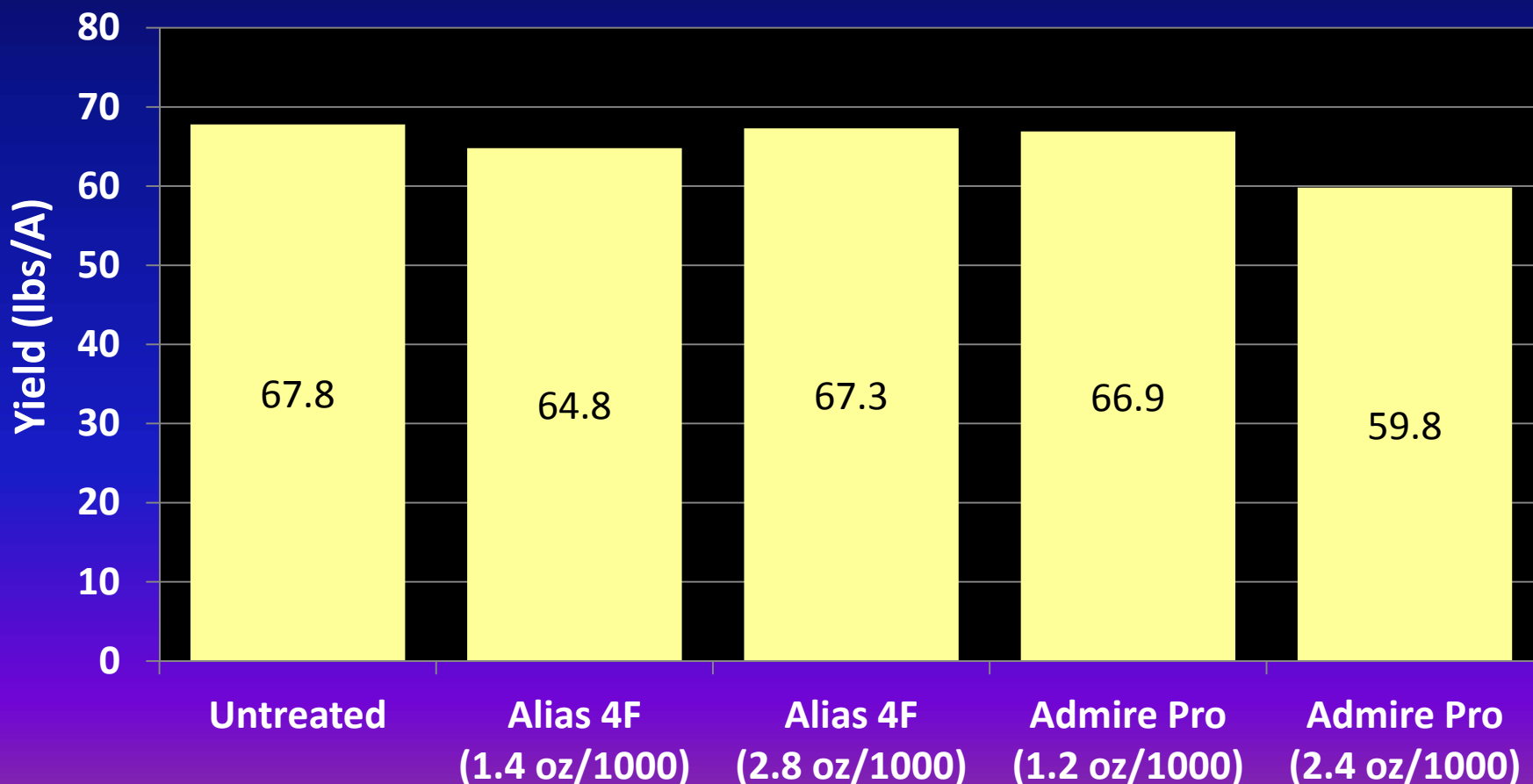
■ Trash ■ Lug ■ Second ■ Leaf

Total Yield (lbs/A):



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

LSD_{0.05} = 8.0
■ Grade Index



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

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