DuPont Coragen Setter Water Trial
HRREC, Springfield, TN - 2009

- NL Madole set June 1
- 4614 plants/A
- Plant drench applications used to simulate setter water
  - Based on 200 gal/A setter water volume.
  - 5.55 oz insecticide solution applied to soil around base of each plant in treated plots immediately after setting on June 1.
  - Untreated check received 5.55 oz water per plant.
- RCBD with 4 replications
- 2-row plots, approx. 30 plants/plot

Trt #	Treatment	Rate/A
1	Coragen 20SC	5 oz/A
2	Coragen 20SC	7 oz/A
3	Exp. DPX-HGW86	10.3 oz/A
4	Admire Pro	3 oz/A
5	Untreated (water only)	0

*Exp = Experimental

Objective: Determine plant response and residual insect control from Coragen insecticide in simulated setter water applications compared to standard Admire Pro treatment.

Data collected: worm and aphid counts, yield, quality.

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Insect Counts per plot

Trt #	Treatment	Hornworm July 7 (5.5 wks)	Budworm July 15 (6.5 wks)	Budworm July 24 (8 wks)	Aphid Colonies July 30 (9 wks)	Hornworm Aug 11 (11 wks)	Plants w/ Aphids Aug 11 (11 wks)	Hornworm Aug 18 (12 wks)
1	Coragen 20SC	0 a	0.25 a	0.25 a	2 a	0 a	4.25 ab	1.5 ab
2	Coragen 20SC	0 a	0.25 a	0 a	0.5 a	0 a	5.25 a	0.25 b
3	Exp DPXHGW86	0.25 a	0 a	0 a	1.5 a	0.25 a	6 a	1 ab
4	Admire Pro	0.5 a	0.25 a	0 a	0 a	0 a	0.5 b	1.75 a
5	Untreated (water only)	0 a	1.25 a	0.25 a	1 a	0.25 a	3.5 ab	1.5 ab
	$LSD_{0.05}$	0.56	1.53	0.51	2.05	0.51	3.85	1.28

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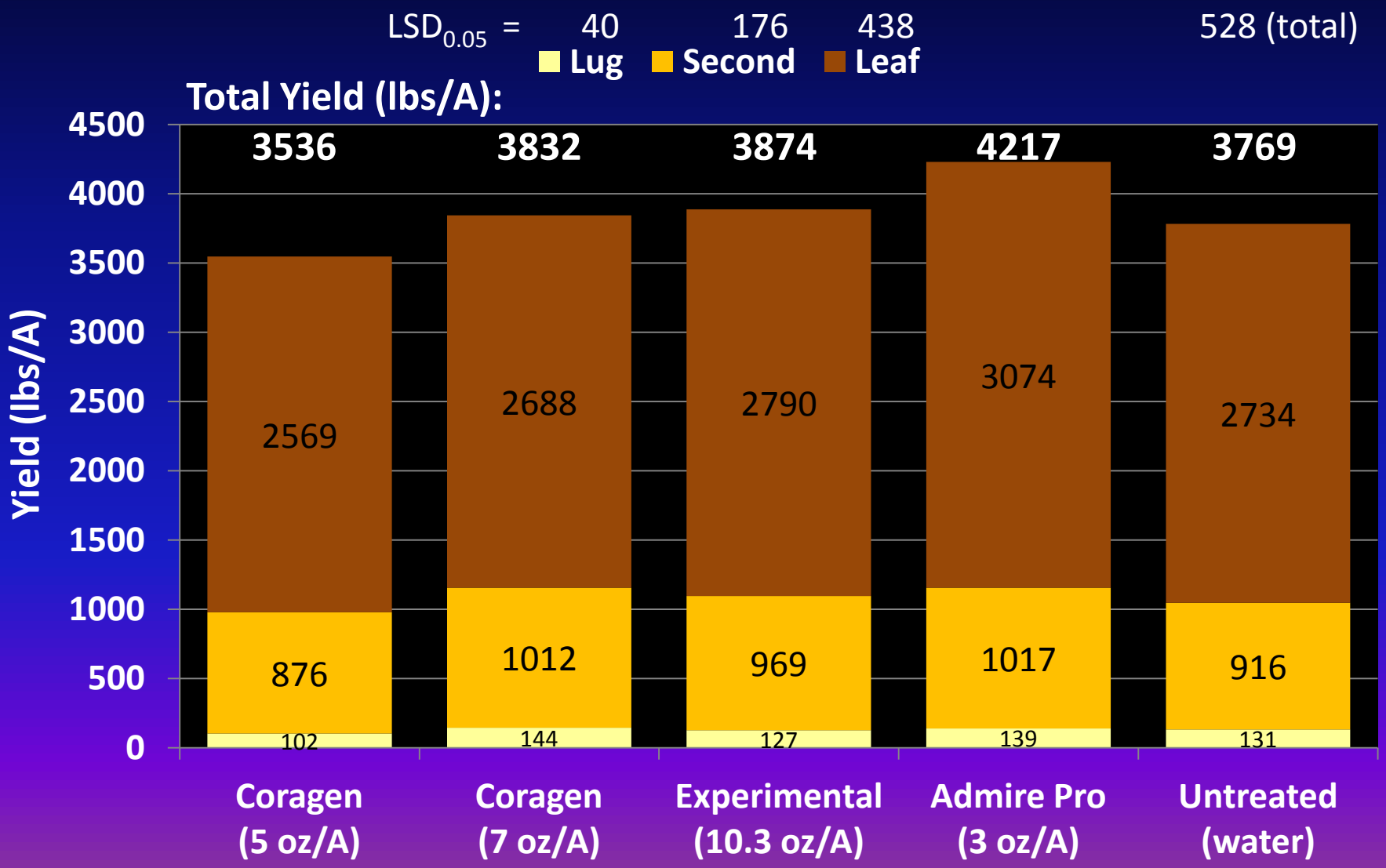
Dark-Fired Tobacco Yield



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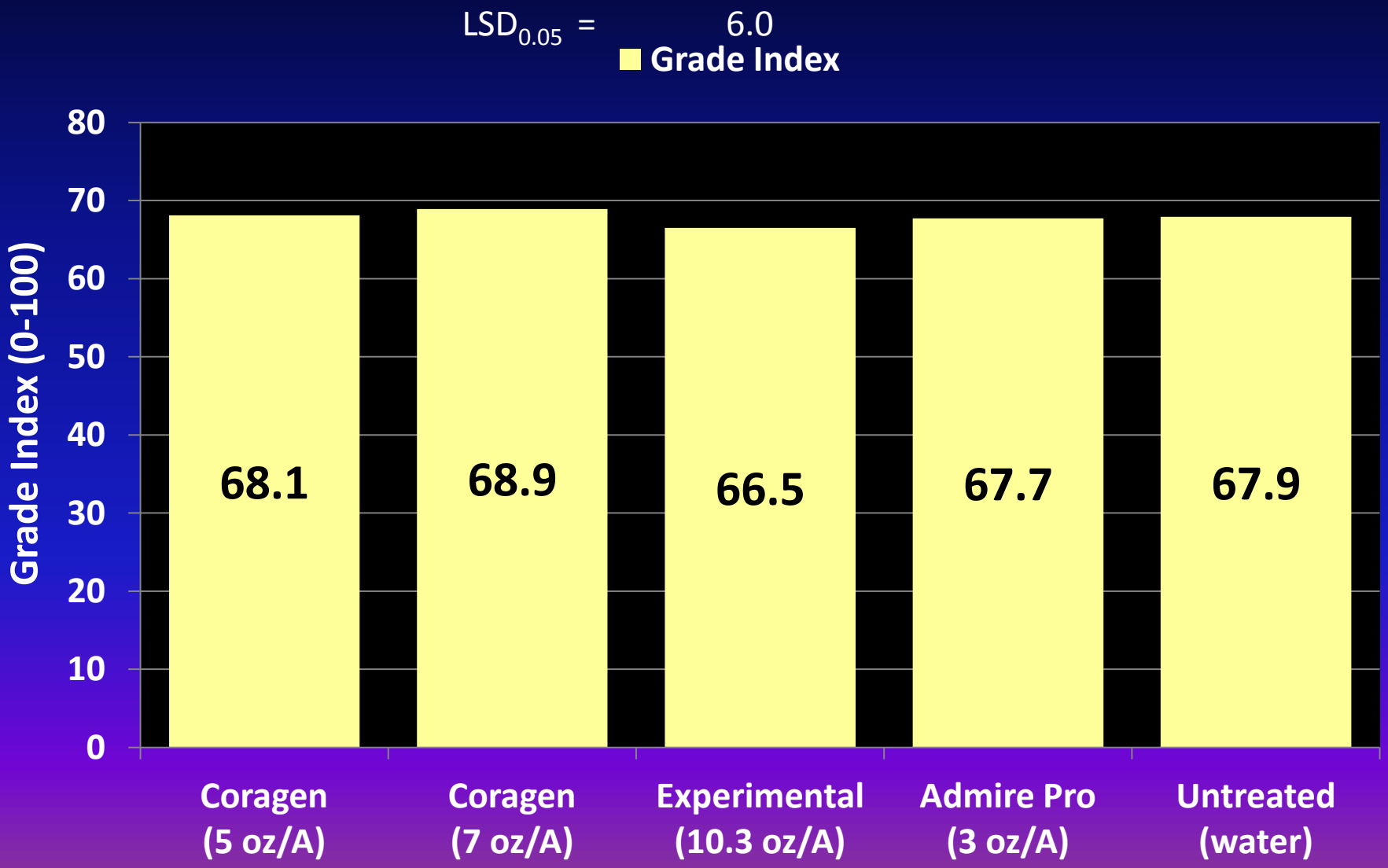
Dark-Fired Tobacco Quality Grade Index



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Trial Summary

- Relatively low insect pressure in trial made it difficult to evaluate any residual control of hornworm and budworm with setter water simulation treatments.
- Admire Pro was more effective than Coragen for aphid control.
- Highest total yield in trial was from Admire Pro
  - Could be due to differences in late-season aphid levels between treatments
- No differences in quality grade index between treatments