

# Coragen and Belt Foliar Trial

## 2011 – UKREC, Princeton, KY

- Trial set June 2
  - PD 7309LC, 40” rows, 32” plant spacing = 4900 plants/A
  - Admire Pro (0.5 oz/1000 plants) tray drenched May 31
  - Randomized complete block with 4 replications
  - Plots 4-rows, 40 ft. long, all rows treated, data from center 2 rows
- Weekly worm counts taken beginning at 3 weeks
- Foliar applications made when thresholds reached
  - 5 worms per 50 plants
- Tobacco harvested September 23, fire-cured

# Coragen and Belt Foliar Trial

## 2011 – UKREC, Princeton, KY - Treatments

Treatment	Rate (oz/A)	Timing
Coragen 1.67SC	3.5 oz/A	Foliar at Threshold
Coragen 1.67SC	5 oz/A	Foliar at Threshold
Belt 4SC	2 oz/A	Foliar at Threshold
Belt 4SC	3 oz/A	Foliar at Threshold
Untreated	-	-

\*Foliar applications made prior to topping were at 15 gal/A  
Applications made after topping were at 25 gal/A

# Coragen and Belt Foliar Trial

2011 – UKREC, Princeton, KY – Hornworm + Budworms Counts

Trt	Rate (oz/A)	June 29	July 7	July 14	July 22 Thresh 1	Aug 1	Aug 4	Aug 11 Thresh 2	Aug 18	Aug 26	Sept 1
Coragen	3.5	1.0 a	1.8 a	1.5 a	1.3 bc	0.0 b	0.3 b	4.0 b	0.3 b	0.0 b	0.0 b
Coragen	5	1.3 a	1.3 a	1.0 a	3.3 ab	0.0 b	0.0 b	3.8 b	0.0 b	0.5 b	0.0 b
Belt	2	1.5 a	1.0 a	1.0 a	2.5 abc	0.0 b	0.5 b	3.3 b	0.3 b	0.5 b	0.0 b
Belt	3	1.0 a	1.3 a	0.8 a	1.0 c	0.3 ab	0.0 b	3.5 b	0.0 b	0.0 b	0.0 b
Untreated	-	1.8 a	0.5 a	0.3 a	4.3 a	1.0 a	1.8 a	18.8 a	25.5 a	16.3 a	2.3 a

\*Foliar applications made prior to topping were at 15 gal/A (July 25)

Applications made after topping were at 25 gal/A (August 12). Tobacco topped Aug 1-4.

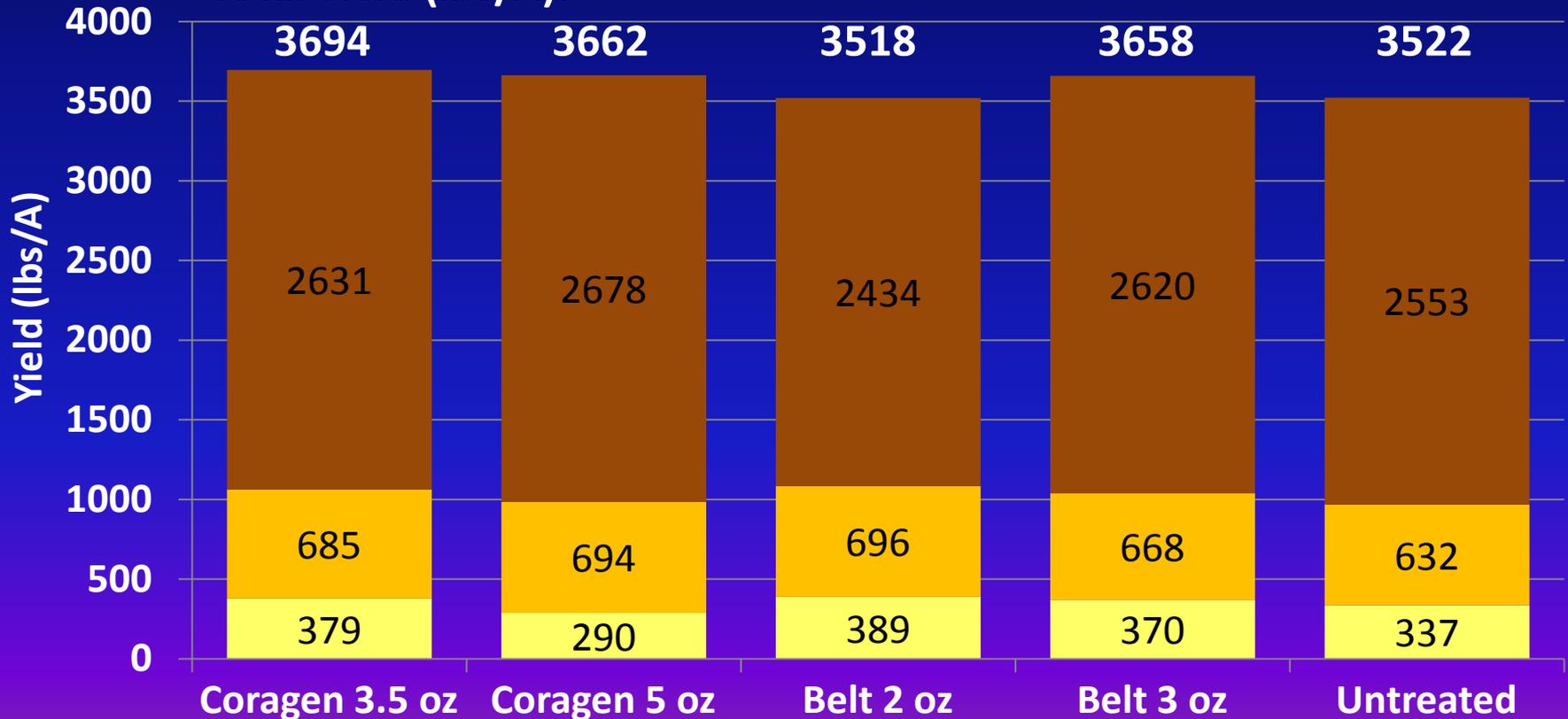
# Coragen and Belt Foliar Trial

2011 – UKREC, Princeton, KY – Dark-Fired Tobacco Yield

LSD (0.10) = 84 104 368 429 (total)

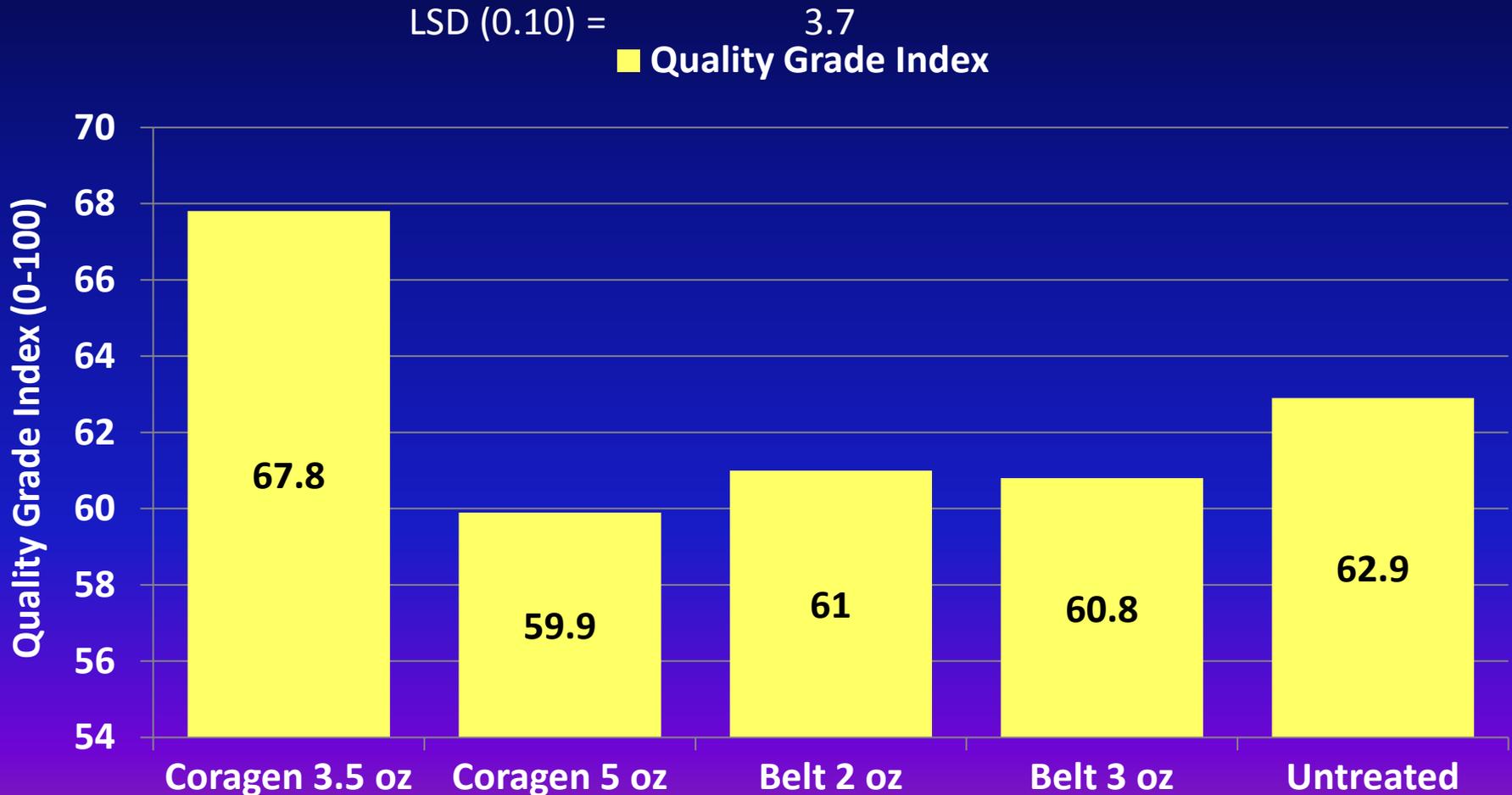
■ Lug ■ Second ■ Leaf

Total Yield (lbs/A):



# Coragen and Belt Foliar Trial

2011 – UKREC, Princeton, KY – Dark-Fired Quality Grade Index



# Coragen and Belt Foliar Trial

2011 – UKREC, Princeton, KY – Trial Summary

- Worm control was similar with Coragen or Belt
- Both Coragen and Belt provide more effective residual worm control when applied at or after topping.
- No major differences in dark-fired yield or quality grade index that can be attributed to treatment.