

2010 Coragen Experiment

HRREC, Springfield, TN

- Randomized complete block design with 4 replications
 - 2-row plots with 2-row borders, 40 ft. long, approx. 25 plants per plot
- 'NL Madole LC' transplanted June 22 (4,600 plants/A)
- Transplant water applications based on 200 gal/A
 - 5.55 oz solution per plant
- Tray drench applications made 1 day before transplanting on June 21, immediately washed into tray media with water
- Threshold met 3 times
 - July 22, August 17, September 1
- All foliar applications made at 17 gal/A
- Hollow cone nozzles (10X) used for all foliar applications

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HRREC, Springfield, TN - Treatments

Trt #	Insecticide	Rate	Timing
1	Coragen	5 oz/A	Transplant water, foliar at threshold
2	Coragen	7 oz/A	Transplant water, foliar at threshold
3	Coragen	0.51 oz/1000 plants	Tray drench*, foliar at threshold
4	Coragen	0.68 oz/1000 plants	Tray drench*, foliar at threshold
5	Coragen	5 oz/A	Foliar at threshold
6	Belt	2 oz/A	Foliar at threshold
7	Untreated Check	0	-

*Coragen tray drench is not a registered application, only used here for research purposes.
Threshold = 5 worms per 50 plants.

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Hornworm and Budworm per plot, HRREC, Springfield, TN

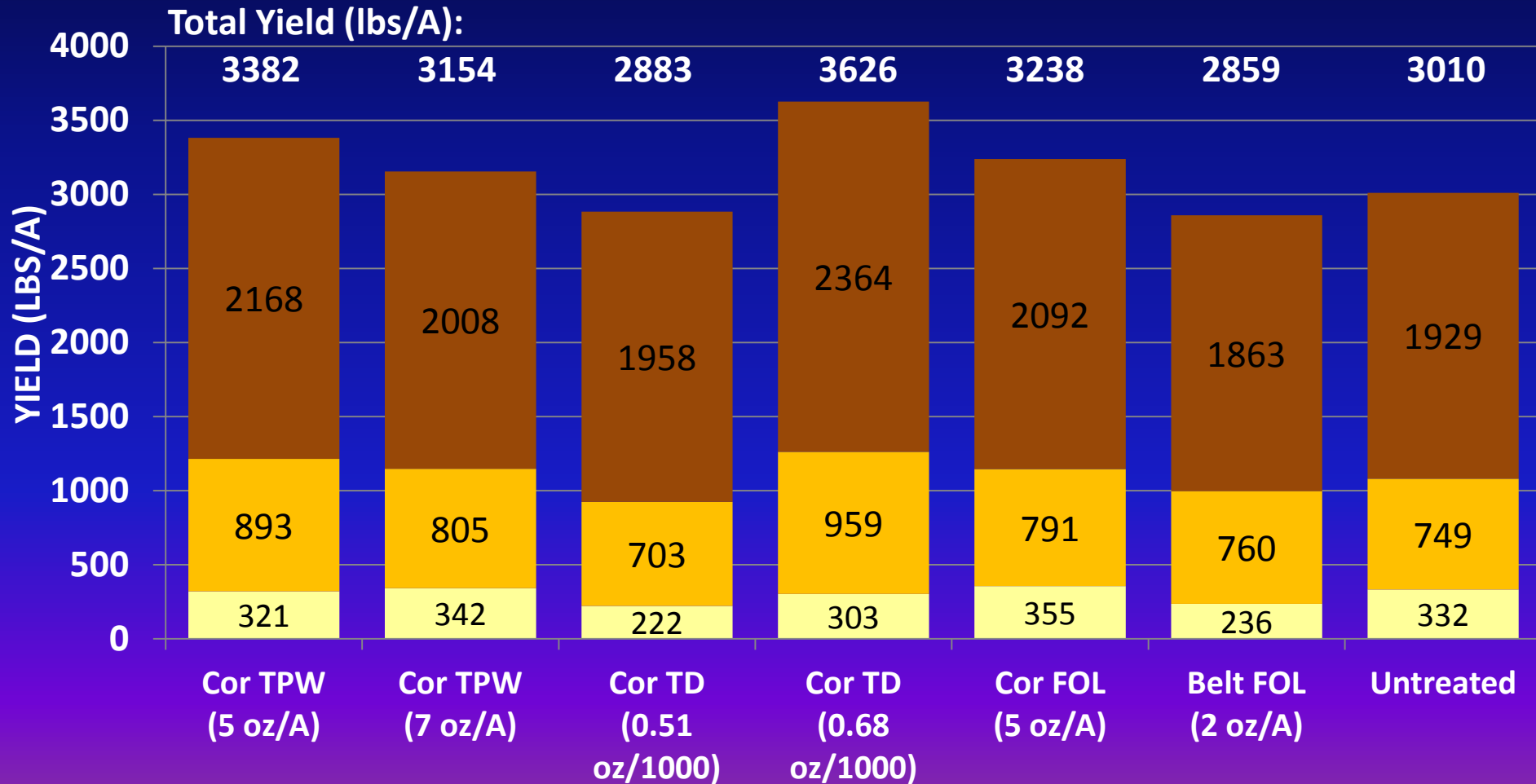
Wks after TP (threshold reached)	4 (1)	5	6	7	8 (2)	9	10 (3)	11
<i>Treatment</i>	Jul 22	Jul 26	Aug 3	Aug 9	Aug 16	Aug 24	Aug 31	Sept 7
Cor (5 oz/A) TPW	0.8 b	0.8 b	1.3 a	0.3 c	1.5 b	0 b	3.3 a	0 b
Cor (7 oz/A) TPW	0.8 b	0.3 b	0.8 a	0.3 c	0.5 b	0.3 b	0.3 a	0 b
Cor (0.5 oz/1000) TD	0 b	0.5 b	0.3 a	0 c	1 b	0 b	0.3 a	0 b
Cor (0.7 oz/1000) TD	0 b	0 b	0 a	0 c	1 b	0 b	0.8 a	0 b
Cor (5 oz/A) FOL	0.8 b	0 b	0 a	0 c	5 a	0 b	2.8 a	0 b
Belt (2 oz/A) FOL	2.3 ab	0.3 b	0 a	1 b	4.8 a	0 b	0.3 a	0.3 b
Untreated	3.8 a	3.3 a	1.8 a	3.5 a	7.5 a	5.8 a	1 a	2.8 a

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HRREC, Springfield, TN – Dark-Fired Yield

LSD(0.10) = 106 225 426 647 (total)

■ Lug ■ Second ■ Leaf



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HRREC, Springfield, TN – Dark-Fired Quality Grade Index

LSD(0.10) = 15.5

■ Quality Grade Index

