

Evaluation of Capture LFR and Brigadier Insecticides in Dark Tobacco

2009 – UKREC, Princeton, KY

- Capture LFR = bifenthrin
- Brigadier = bifenthrin + imidacloprid (Capture + Admire)
- Tobacco variety: PD 7318LC
- Transplanted May 22
 - 4900 plants/A
 - 40" rows, 32" plant spacing
- RCBD with 4 replications
- Plots 4-rows, 40 ft. long
- Setter water (TPW) applications made to center 2 rows only
- Foliar applications made to all 4 rows
 - Hollow cone (10X) nozzles, 15 gal/A
 - Foliar applications made June 30 and July 24
- Trial harvested September 18, fire-cured

Trt #	Treatment
1	Untreated Check
2	Brigadier (6.4 oz/A) setter water Brigadier (6.4 oz/A) foliar at 3 wk Capture LFR (8.5 oz/A) foliar at 6 wk
3	Capture LFR (8.5 oz/A) setter water Brigadier (6.4 oz/A) foliar at 3 wk Brigadier (6.4 oz/A) foliar at 6 wk

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Plot Ratings 1 and 2: Hornworm and Stand Counts

Trt #	Treatment	<u>Rating 1</u> June 30 Hornworms per 2 rows	<u>Rating 1</u> June 30 Stand: Plants/2 rows	<u>Rating 2</u> July 17 Hornworms per 2 rows
1	Untreated Check	0.5	22.0	0.25
2	Brigadier - TPW Brigadier - Foliar Capture LFR - Foliar	0.25	28.3	0.25
3	Capture LFR – TPW Brigadier – Foliar Brigadier - Foliar	0.25	22.8	0.25
	LSD_{0.05}	0.5	7.7	0.82

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Plot Rating 3 (August 3): Aphids

Trt #	Treatment	Plants with Aphids 4 rows	Plants with Aphids on center 2 rows	Plants with Aphids on outside 2 rows
1	Untreated Check	27.5	-	-
2	Brigadier - TPW Brigadier - Foliar Capture LFR - Foliar	3.75	0.5	3.25
3	Capture LFR – TPW Brigadier – Foliar Brigadier - Foliar	6.75	2.5	4.25
	LSD _{0.05}	8.01	2.9	3.44

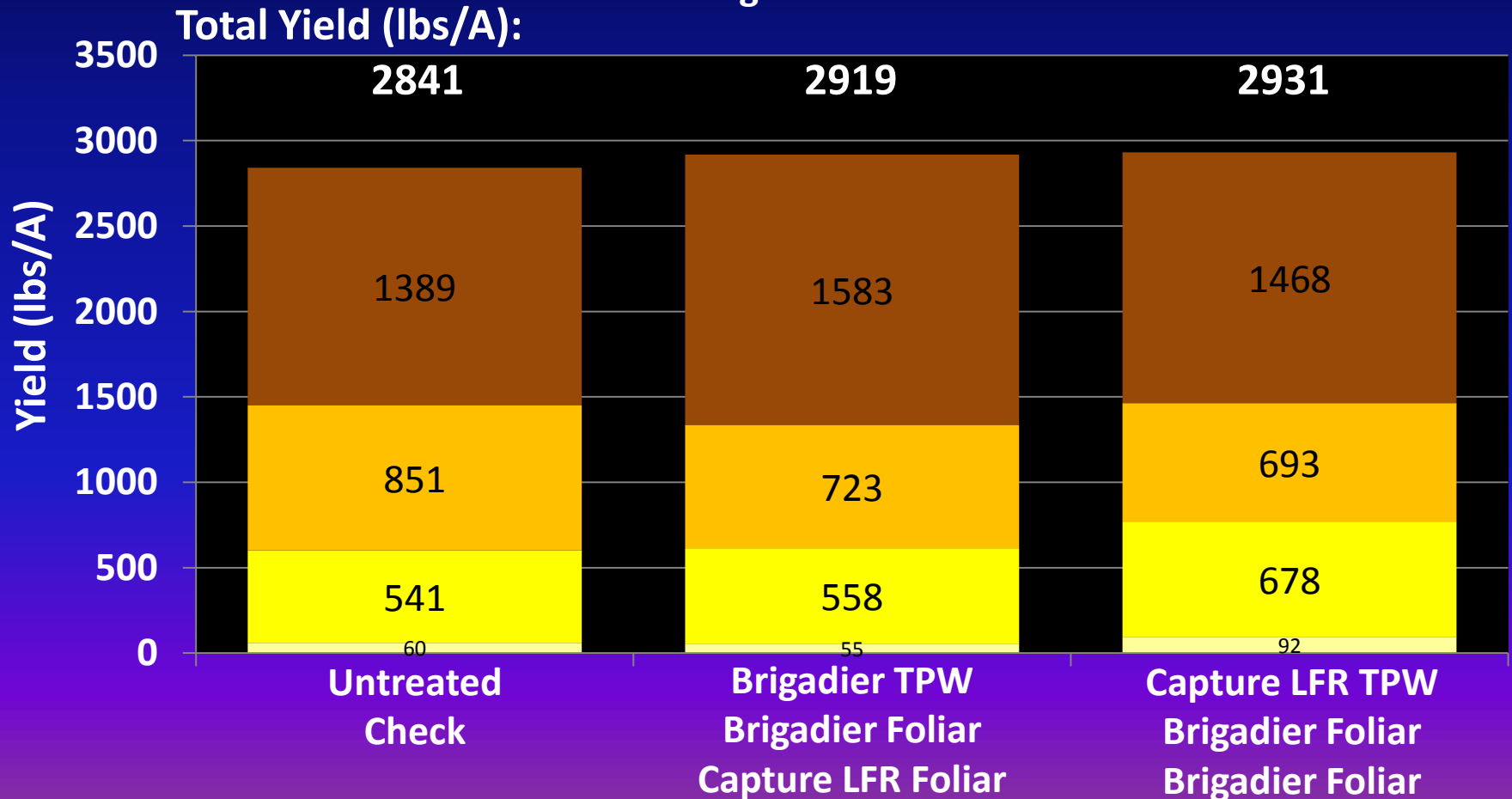
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Dark Fire-Cured Yield Data

LSD_{0.05} = 47 76 270 339 533 (total)

■ Trash ■ Lug ■ Second ■ Leaf



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Dark Fire-Cured Quality Grade Index

LSD_{0.05} = 23.1
■ Grade Index

