

2008 Belt Insecticide Trial for Dark Tobacco

UKREC, Princeton, KY

- Objective: evaluate the effect of surfactants on Belt insecticide performance.
- Target pest: hornworm, budworm
- PD 7302LC set May 29
- 4900 plants/A
 - 40" rows x 32" plant spacing
- Treatments applied 3 times
 - June 30, July 14, August 5
 - 15 gal/A, 10X hollow cone tips
- Harvested September 18
- Fire-Cured (4 firings)

Treatment	Rate /A
Untreated check	0
Local standard: Orthene 97 (trts 1-2) Tracer (trt 3)	0.77 lb/A 2 oz/A
Belt + Induce NIS	3 oz/A
Belt + Destiny MSO	3 oz/A

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In-Season Plot Evaluation on July 14 (2 wks after 1st application)
Tobacco Injury, # Worm Damaged Plants, and # of worms per plot

Treatment	Tobacco Injury (0-100) July 14	# worm damaged plants (60 plants) July 14	# Worms per plot (60 plants) July 14
Untreated Check	0	1	0
Local Standard (Orthene 97 or Tracer)	0	0	0
Belt + NIS	0	1	0
Belt + MSO	0	1	0
LSD _{0.05}	0	1.1	0

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In-Season Plot Evaluation on August 1 (2 wks after 2nd application)

Tobacco Injury and # of worms per plot

Treatment	Tobacco Injury (0-100) August 1	# Worms per plot (60 plants) August 1
Untreated Check	0	19
Local Standard (Orthene 97 or Tracer)	0	13
Belt + NIS	0	6
Belt + MSO	0	4
LSD _{0.05}	0	6.9

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In-Season Plot Evaluation on August 20 (2 wks after 3rd application)
Tobacco Injury and # of worms per plot

Treatment	Tobacco Injury (0-100) August 1	# Worms per plot (60 plants) August 1
Untreated Check	0	12
Local Standard (Orthene 97 or Tracer)	0	0
Belt + NIS	0	0
Belt + MSO	0	0
LSD _{0.05}	0	2.7

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In-Season Plot Evaluation on September 11

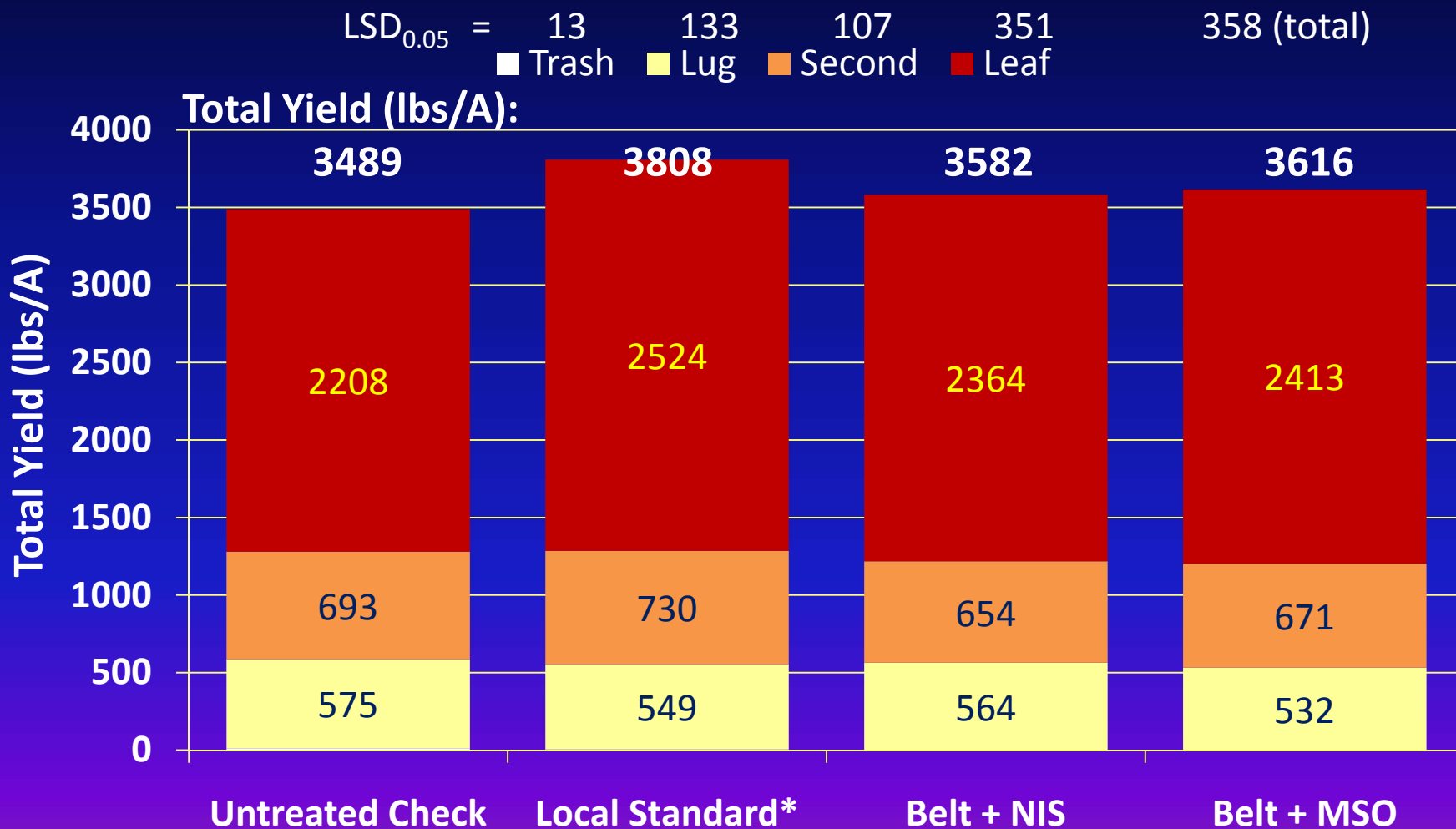
(Preharvest - 6 wks after 3rd application)

Tobacco Injury and # of worms per plot

Treatment	Tobacco Injury (0-100) August 1	# Worms per plot (60 plants) August 1
Untreated Check	0	10
Local Standard (Orthene 97 or Tracer)	0	0
Belt + NIS	0	0
Belt + MSO	0	0
LSD _{0.05}	0	1.6

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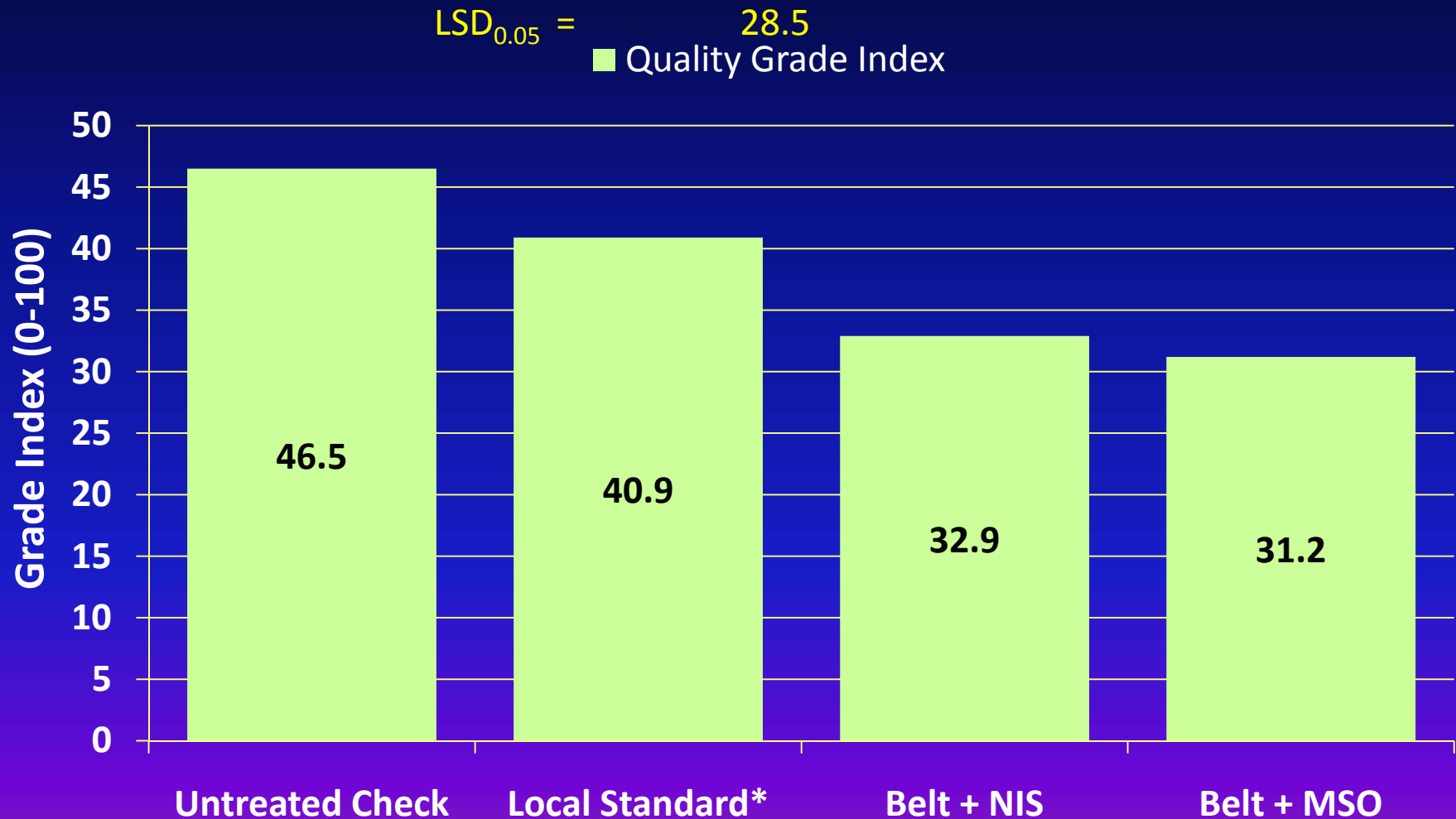
Yield - UKREC, Princeton, KY



*Local standard was Orthene 97 in app. 1 and 2 and Tracer in app. 3.

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Quality Grade Index - UKREC, Princeton, KY



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