

# Valent EndoMaxx Trial for Dark Tobacco

## UKREC, Princeton KY - 2018

- Pretransplant Broadcast/A
  - 275 lb N, 110 P<sub>2</sub>O<sub>5</sub>, 100 K<sub>2</sub>O
- KT D17LC set May 24
  - 40" x 32" = 4900 plants/A
- Tray drench treatments applied May 23
- Transplant water treatments applied at transplanting on May 24
  - Transplant water volume 125 gal/A

Treatments:		
1	EndoMaxx tray drench	3.5 g/A
2	EndoMaxx transplant water	5 g/A
3	*VBC-80163 tray drench	2.5 oz/A
4	VBC-80163 transplant water	2.5 oz/A
5	Untreated	0

\*VBC-80163 is experimental formulation.

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### Pre-Topping Plant Height & Width - July 9

Trt	Treatment	Plant Height (cm)	Plant Width (cm)
1	EndoMaxx tray drench (3.5 g/A)	61.4 bc	87.8 abc
2	EndoMaxx transplant water (5 g/A)	65.0 ab	88.7 ab
3	VBC-80163 tray drench (2.5 oz/A)	67.7 a	89.7 a
4	VBC-80163 transplant water (2.5 oz/A)	60.1 bc	83.0 c
5	Untreated	59.3 c	84.6 bc

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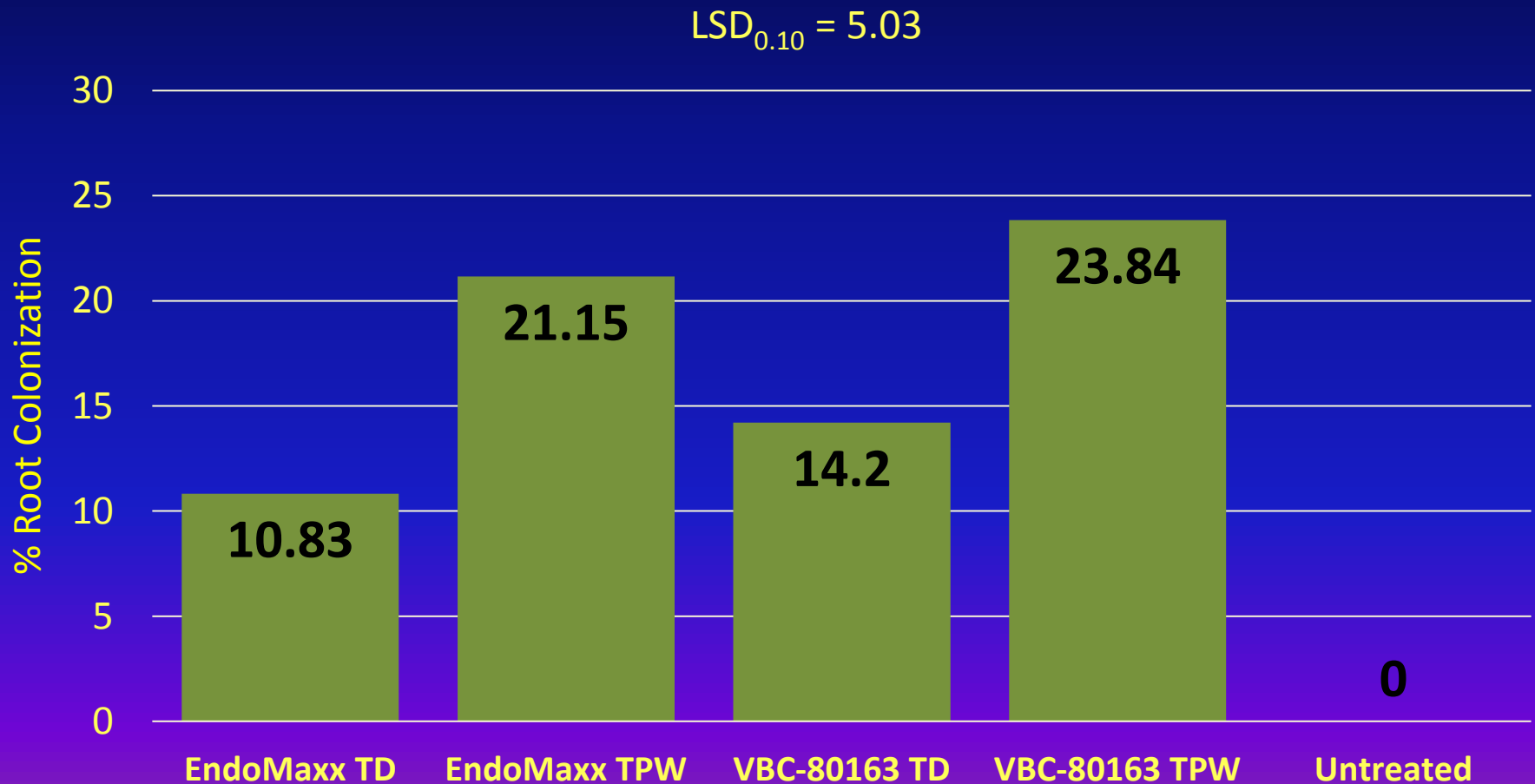
### Pre-Topping NDVI leaf chlorophyll index

Trt	Nitrogen Source	Chlorophyll Index July 9	Chlorophyll Index July 25
1	EndoMaxx tray drench (3.5 g/A)	53.4 b	56.9 ab
2	EndoMaxx transplant water (5 g/A)	52.7 b	56.5 ab
3	VBC-80163 tray drench (2.5 oz/A)	54.3 ab	57.2 a
4	VBC-80163 transplant water (2.5 oz/A)	55.1 ab	54.1 b
5	Untreated	57.5 a	56.3 ab

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## Percent Root Colonization by Mycorrhizae



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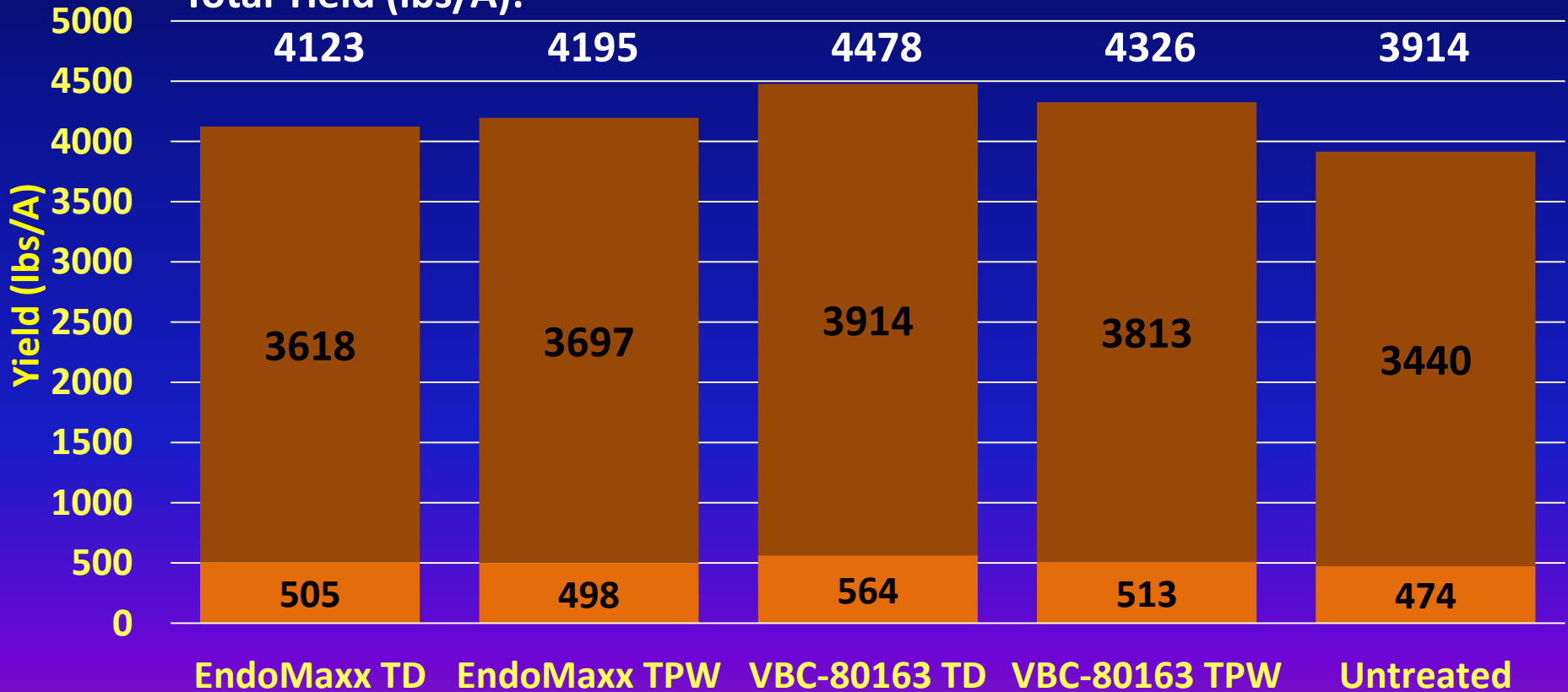
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## Dark-Fired Yield

LSD<sub>0.10</sub> = 96 399 474 (total)

■ Lug ■ Leaf

Total Yield (lbs/A):

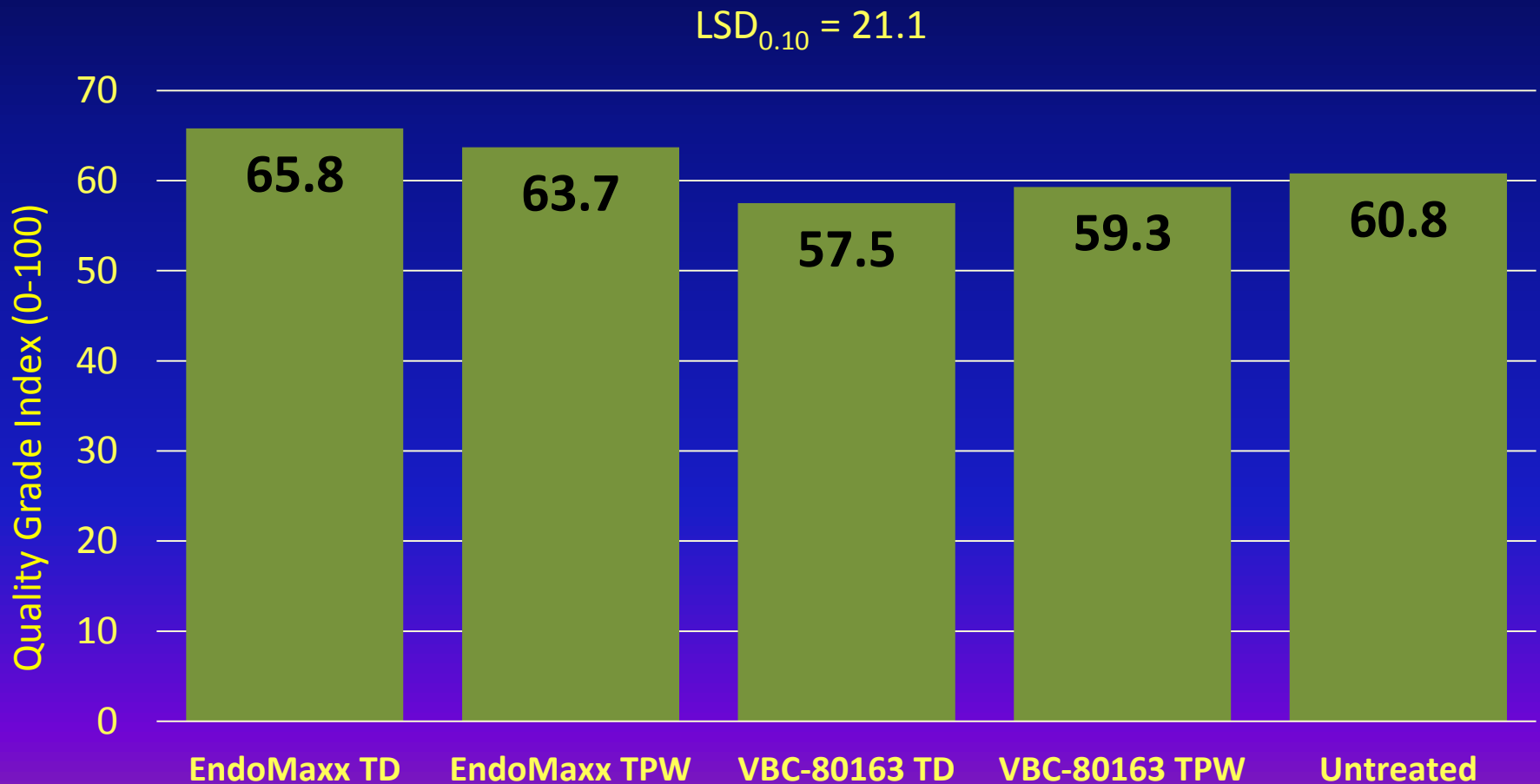


Average total yield for trial = 4207 lb/A

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## Quality Grade Index



\*No statistical differences in leaf quality between treatments.