

Dark Tobacco Response to Potassium

2014 – MSU West Farm, Murray KY

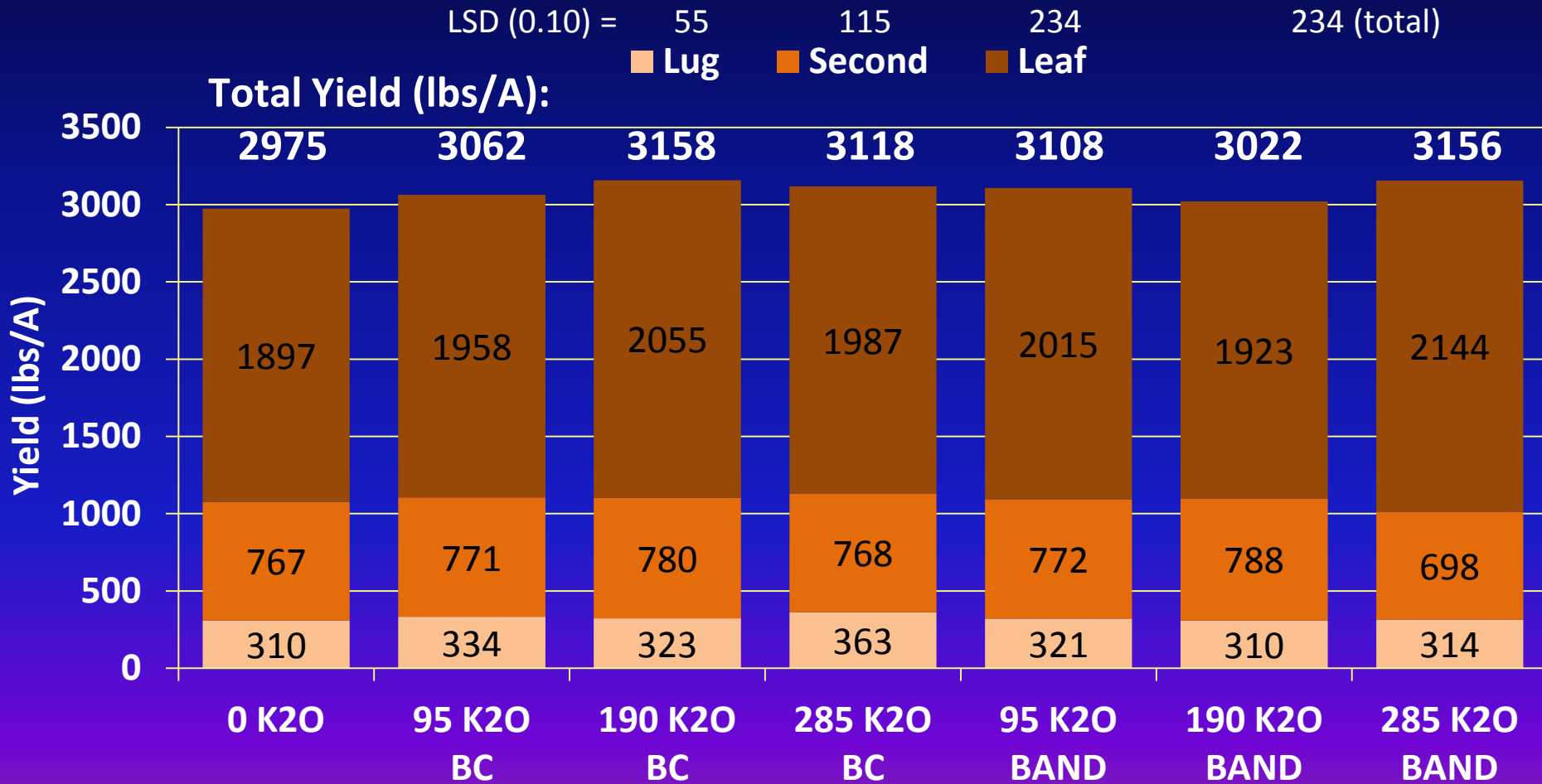
- Soil sample taken March 2014
- Soil test K = 212 (medium-low)
- 190 lbs K₂O/A recommended
- PD7309LC set June 19
 - 40" x 32" = 4900 plants/A
- Plots 4-rows, 40 ft. long
- 4 replications
- Broadcast applications made prior to transplanting on June 18
- Band applications made after transplanting on June 27
 - 2 bands per row, 6-8" from row
- Tobacco harvested late September
- Fire-cured

Trt	K ₂ O timing	K ₂ O rate (lbs/A)
1 untreated (no K ₂ O)	0	0
2	Broadcast	95
3	Broadcast	190
4	Broadcast	285
5	Band	95
6	Band	190
7	Band	285

N and P₂O₅ applied to all plots according to soil test:
275 lbs N/A (150 urea pretransplant,
125 UAN sidedress)
100 lbs P₂O₅ pretransplant

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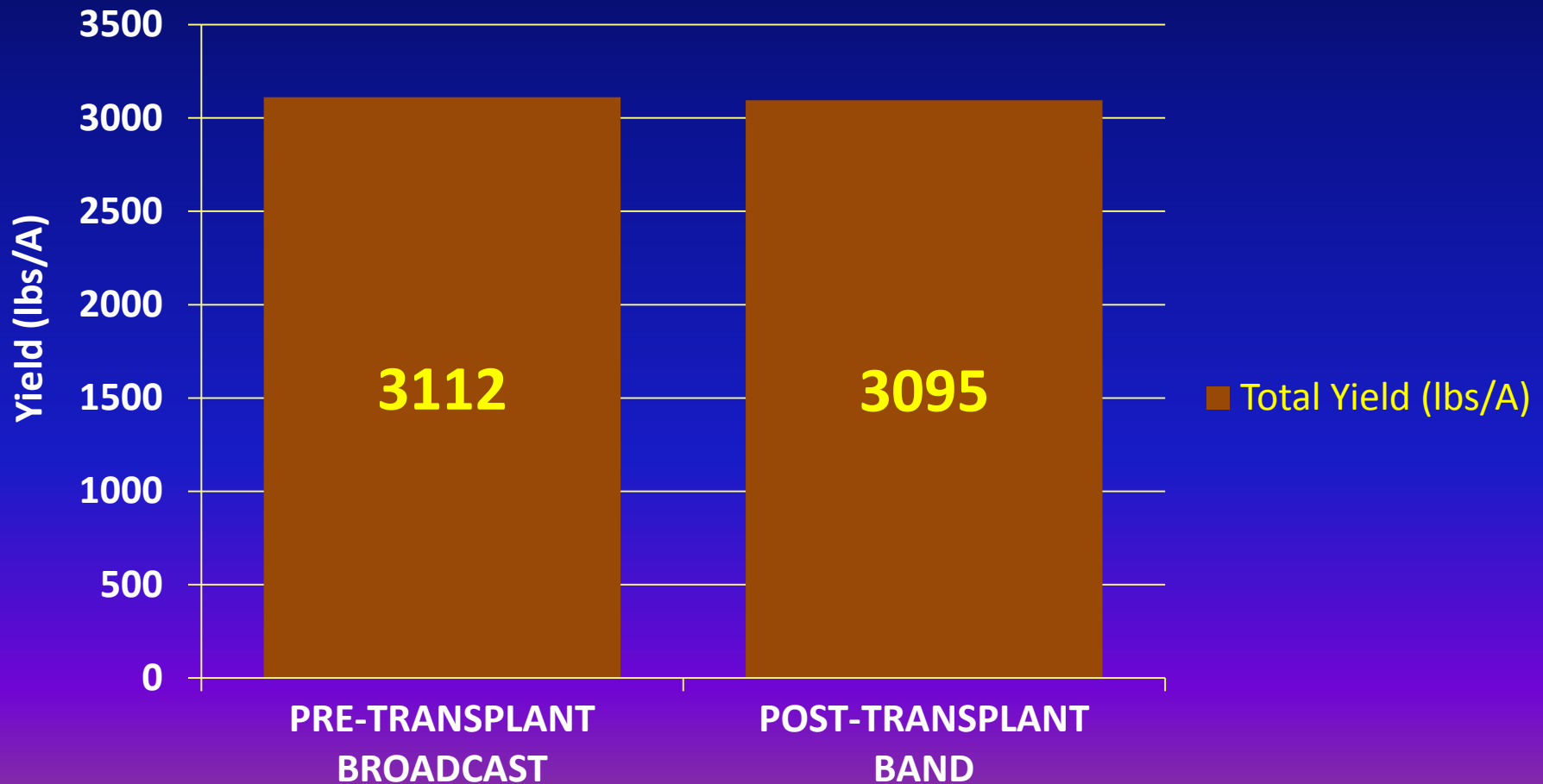
2014 – MSU West Farm, Murray KY - Yield



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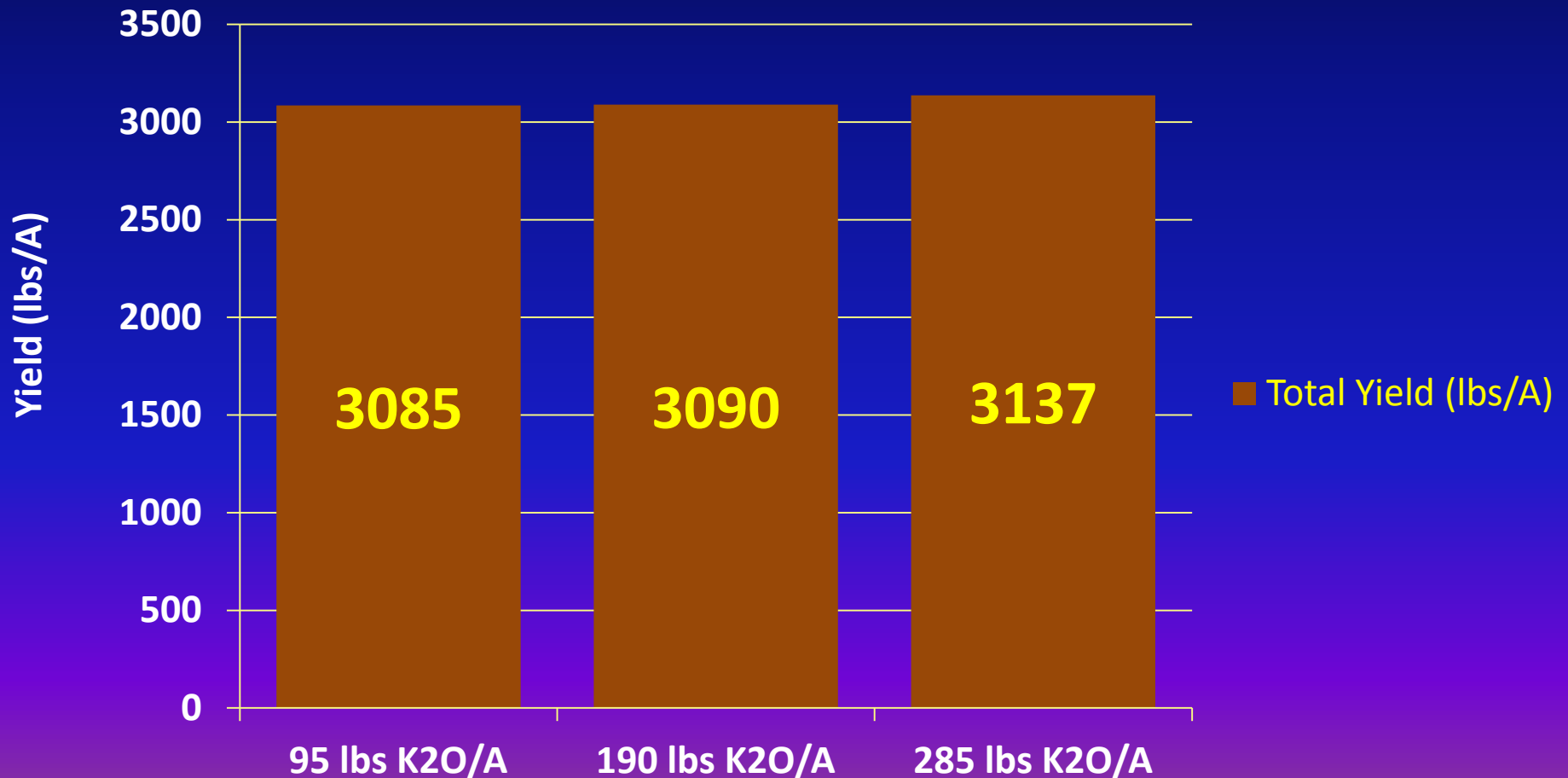
Main Effect of K application timing on total yield
(averaged over K rate)



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Main Effect of K application rate on total yield
(averaged over K timing)

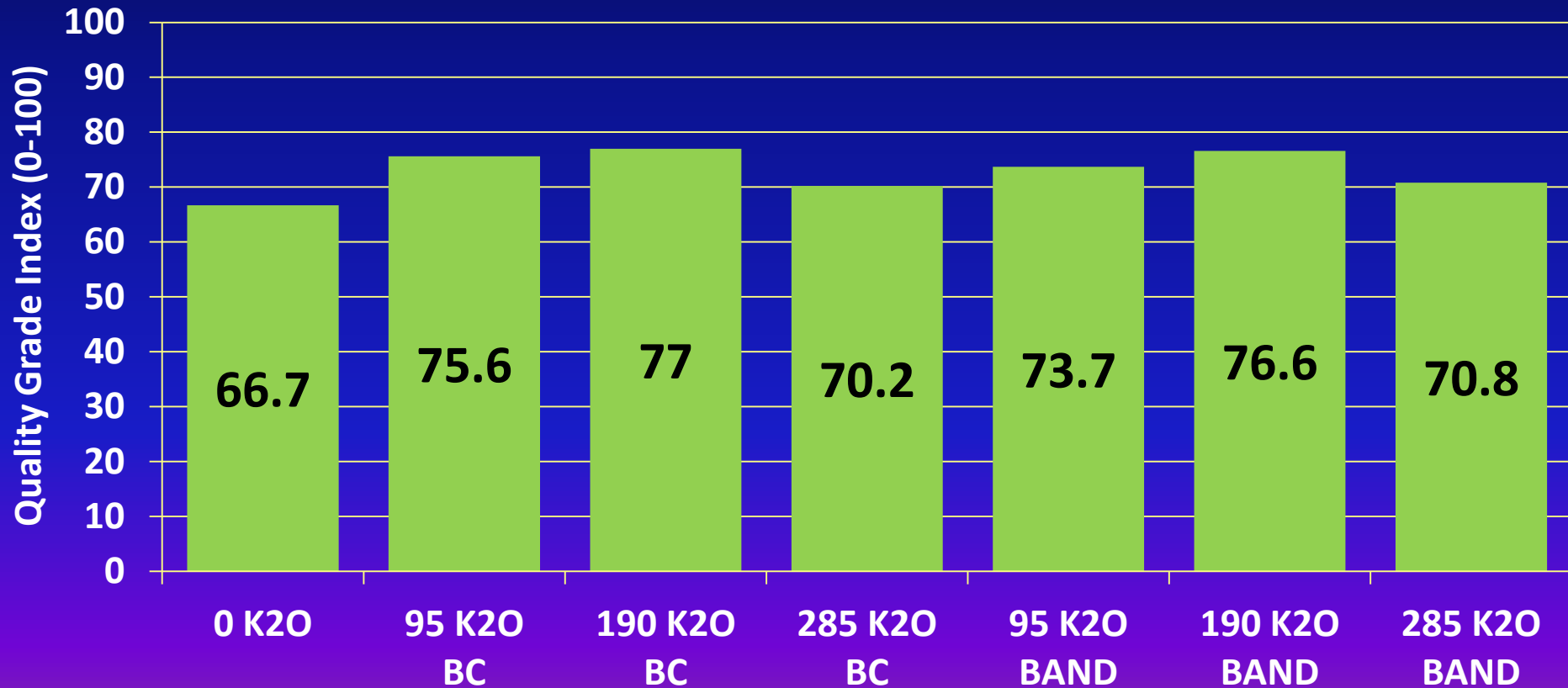


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2014 – MSU West Farm, Murray KY – Quality Grade Index

LSD (0.10) = 4.6

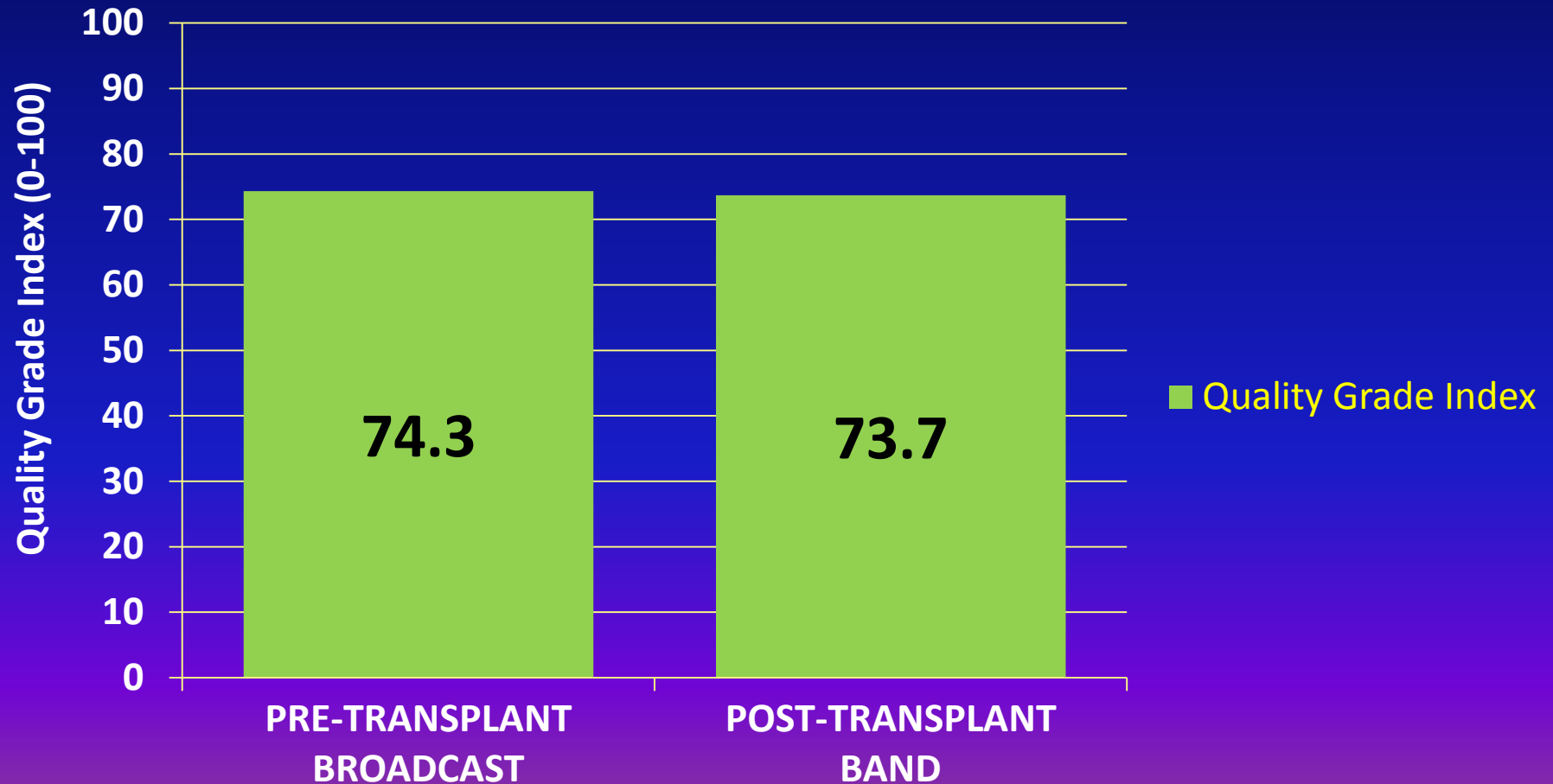
■ Quality Grade Index



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Main Effect of K application timing on quality
(averaged over K rate)



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Main Effect of K application rate on quality
(averaged over K timing)

