Potassium Rates and Application Methods in Dark Tobacco 2010 – Stamps Farm – Franklin, KY



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Objectives:

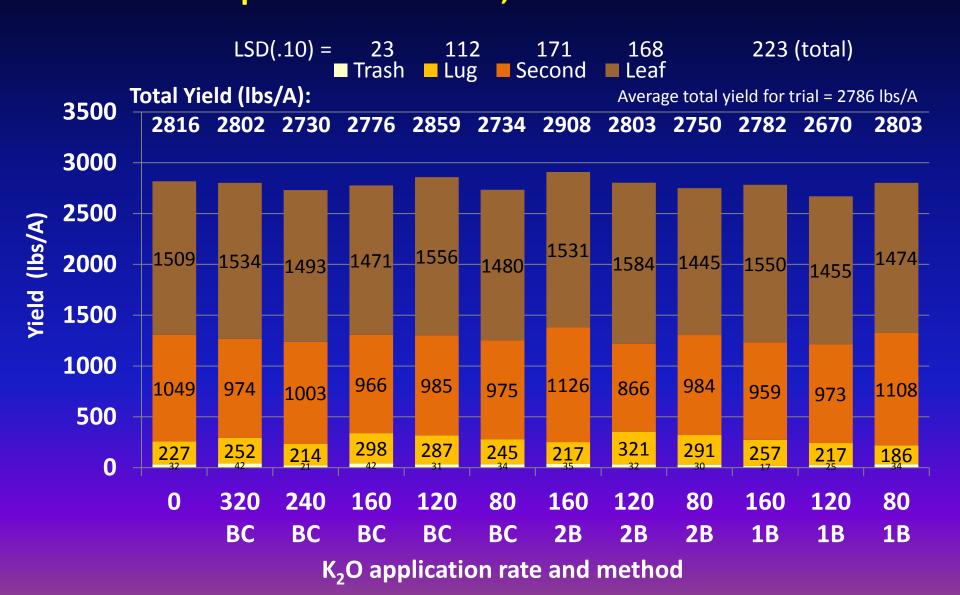
- Determine effect of reduced or excessive potassium application rates on dark tobacco yield
 - Site had soil test K index of 236 (medium)
 - Recommended 160 lbs K₂O/A
 - 50%, 75%, 100%, 150% or 200%
 - 80, 120, 160, 240, or 320 lbs K₂O/A
- Determine the effect of potassium application method/placement on dark tobacco yield
 - Broadcast and incorporated immediately before setting
 - 80, 120, 160, 240, or 320 lbs K_2O/A
 - 2 band placements applied to surface immediately after setting
 - 1 band down center of each row middle
 - 2 bands approximately 8 inches on either side of row
 - » 80, 120, or 160 lbs K₂O/A for each banding method

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- TN D950 set May 28
 - 4900 plants/A
 - 40" rows, 32" plant spacing
- All K treatments applied May 28
 - Sulfate of potash (0-0-50)
- N and P applied to entire trial according to soil test.
- All other practices standard
- Randomized complete block with 4 replications
- Tobacco harvested August 30
- Air-cured
- Stripped December 9

Trt	% of UK Recom.	Lbs K ₂ O applied	Applic Method
1	0%	0	
2	200%	320	Broadcast
3	150%	240	Broadcast
4	100%	160	Broadcast
5	75%	120	Broadcast
6	50%	80	Broadcast
7	100%	160	2 Bands
8	75%	120	2 Bands
9	50%	80	2 Bands
10	100%	160	1 Band
11	75%	120	1 Band
12	50%	80	1 Band

Potassium Rates and Application Methods in Dark Tobacco 2010 - Stamps Farm - Franklin, KY - Dark Air-Cured Yield



Potassium Rates and Application Methods in **Dark Tobacco** 2010 - Stamps Farm - Franklin, KY Control - 0 K₂O/A