

Dark Tobacco Rotation Trial

Year 3 - 2009 - HRREC, Springfield, TN

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Dark Tobacco Rotation Trial

HRREC – Springfield, TN

- Objective: evaluation the effect of crop rotational patterns, variety selection, and Ridomil use on long-term dark tobacco yield.
- 5-yr experiment, first year 2007
- Experiment established in 2007 in area of long-term fescue sod
- Rotational systems:
 - Continuous tobacco, 2-yr rotation w/ grass, 4-yr rotation w/ grass
- Variety systems:
 - Narrowleaf Madole LC or KT D6LC
- Ridomil systems:
 - 1 qt/A Ridomil broadcast pretransplant incorporated or no Ridomil

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Treatment	Rotation	Variety	Ridomil
1	Continuous tobacco	NL Madole LC	1 qt/A
2	Continuous tobacco	KT D6LC	1 qt/A
3	Continuous tobacco	NL Madole LC	None
4	Continuous tobacco	KT D6LC	None
5	2-yr rotation w/grass	NL Madole LC	1 qt/A
6	2-yr rotation w/grass	KT D6LC	1 qt/A
7	2-yr rotation w/grass	NL Madole LC	None
8	2-yr rotation w/grass	KT D6LC	None
9	4-yr rotation w/grass	NL Madole LC	1 qt/A
10	4-yr rotation w/grass	KT D6LC	1 qt/A
11	4-yr rotation w/grass	NL Madole LC	None
12	4-yr rotation w/grass	KT D6LC	None

*Trial initiated in 2007, will be completed following 2011 season.

Experimental design: split block with rotation as main plot, variety and Ridomil sub-plots.

Rotation Treatments by Year

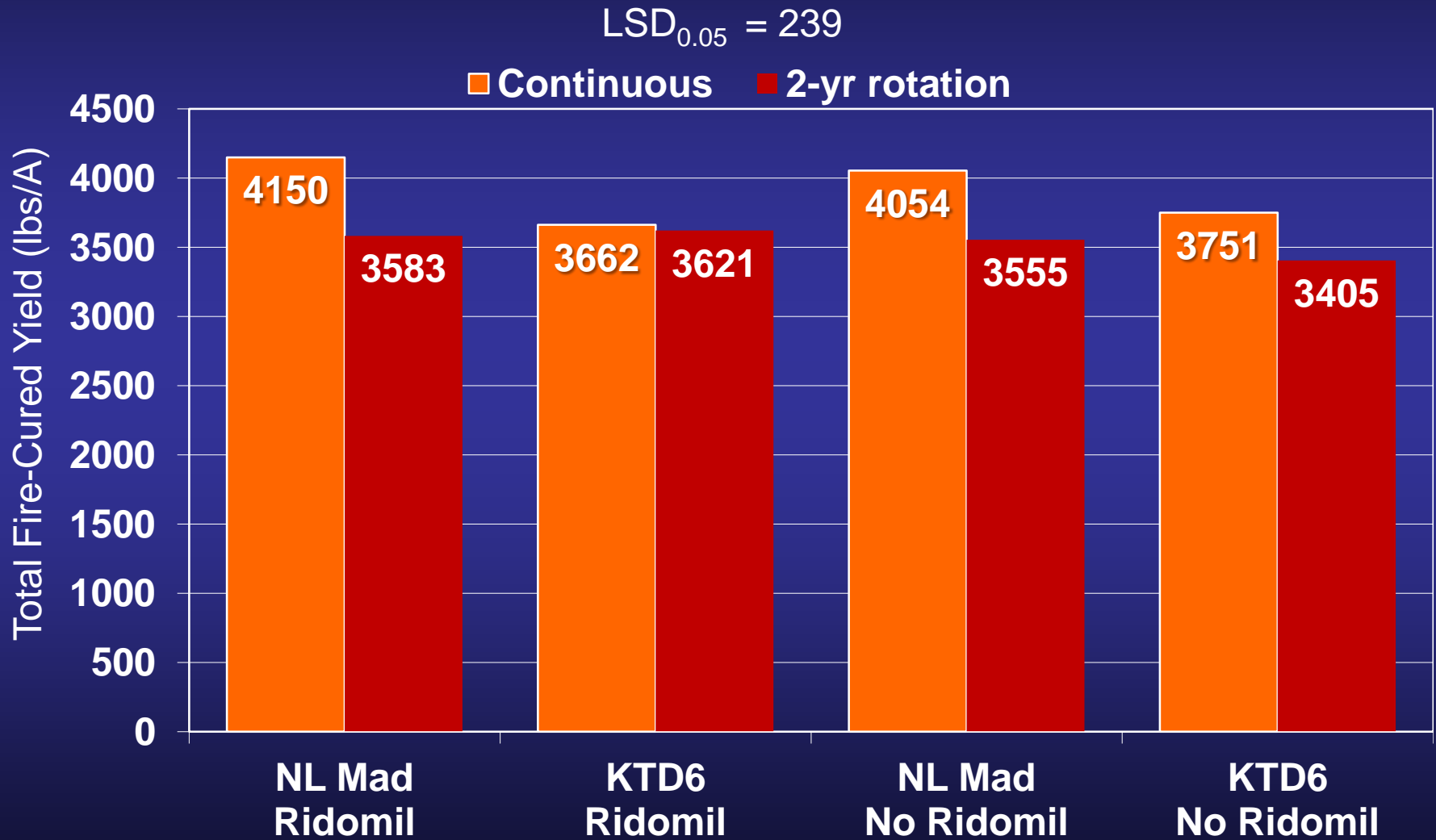
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2007	2008	2009	2010	2011
Continuous	Continuous	Continuous	Continuous	Continuous
2-yr rotation	-	2-yr rotation	-	2-yr rotation
4-yr rotation	-	-	-	4-yr rotation

*Fescue sown in rotational years when not in tobacco.

Effect of Rotation on Dark Tobacco Yield

2009 (Yr 3) Dark Tobacco Rotational Trial, HRREC, Springfield, TN



2009: continuous and 2-yr only: 3rd year continuous tobacco, second year of 2-yr rotation