Dark Tobacco Rotation Trial

Year 4 - 2010 - HRREC, Springfield, TN

Andy Bailey
Tobacco Extension Specialist
Univ. of KY / Univ. of TN

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

Dark Tobacco Rotation Trial HRREC, Springfield, TN

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.

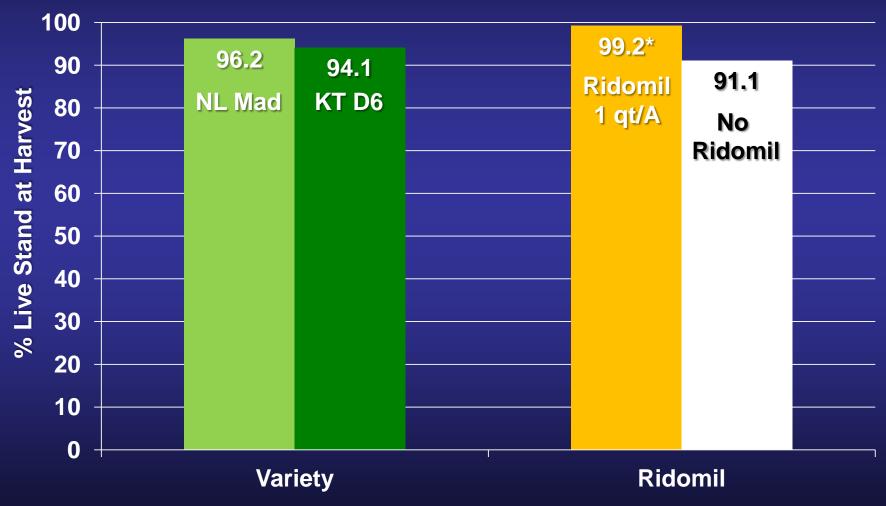
Experimental design: split block with rotation as main plot, variety and Ridomil sub-plots.

Rotation Treatments by Year HRREC, Springfield, TN

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 Variety and Ridomil on Dark Tobacco Stand Black Shank Occuring for First Time in Yr 4 of Continuous Tobacco 2010 (Yr 4) Dark Tobacco Rotational Trial, HRREC, Springfield, TN



*Statistically significant difference (main effect of Ridomil vs. No Ridomil).

Effect of Variety and Ridomil on Dark Tobacco Yield Continuous only with Black Shank 2010 (Yr 4) Dark Tobacco Rotational Trial, HRREC, Springfield, TN

