Restoring Tall Fescue and Orchardgrass Pastures by Interseeding Alfalfa

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- Tennessee livestock production
- Cool-season grass pastures Tall fescue & orchardgrass
- Pasture condition declining
- Deficient grazing
- Poor forage management
- Drought
- Introducing Alfalfa (ALF)
- High quality
- Practical and economical







Objectives

• 1. Identify different management strategies in restoring poor stands of cool season grass pastures with alfalfa to increase yield and quality.





Objectives

2: To determine the potential economic benefits of introducing alfalfa into grass pastures for livestock producers in the U.S. humid transition zone.

3: To develop an extension program to help educate agents and producers about successful strategies in restoring low producing grass pastures with alfalfa.









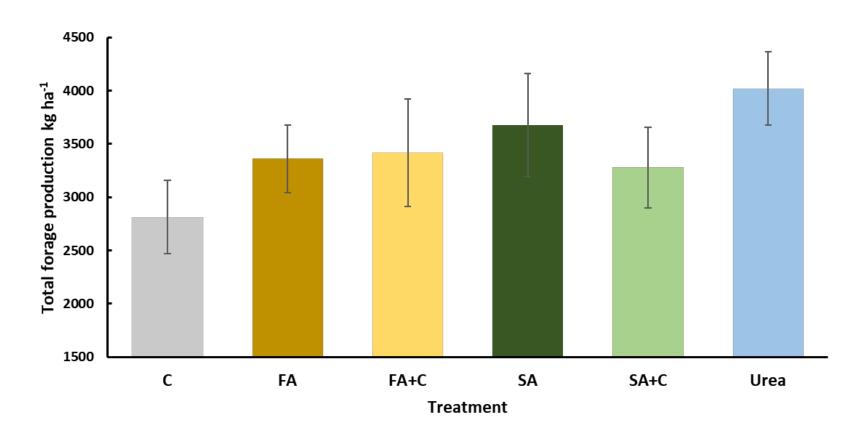






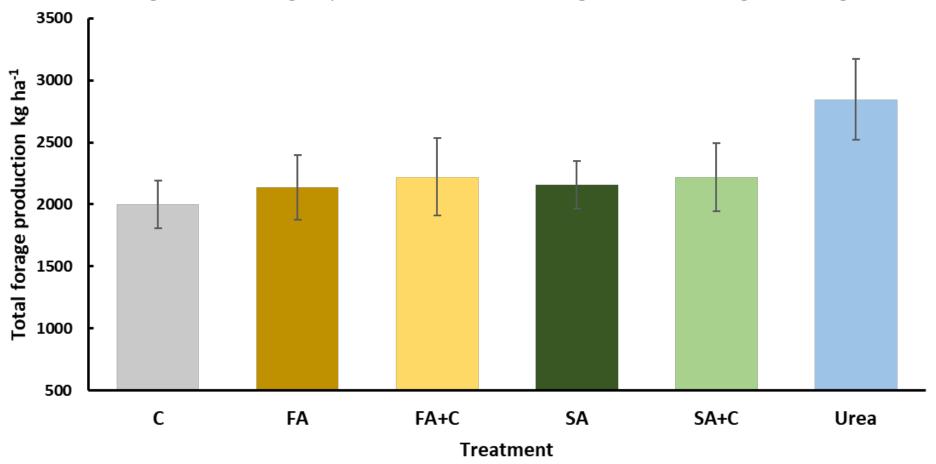


Total tall fescue forage yield under during the 2020 growing season

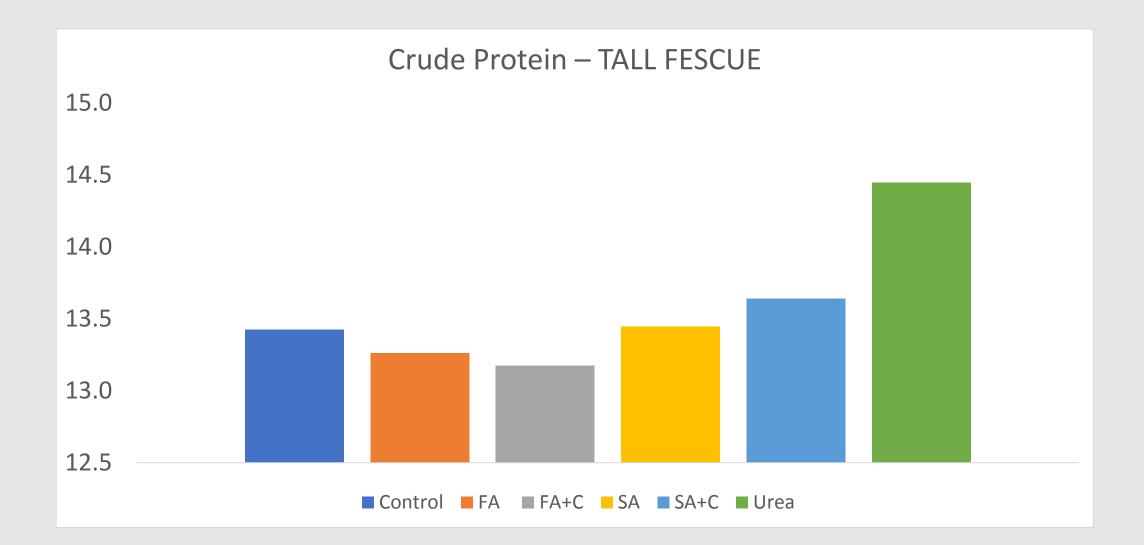




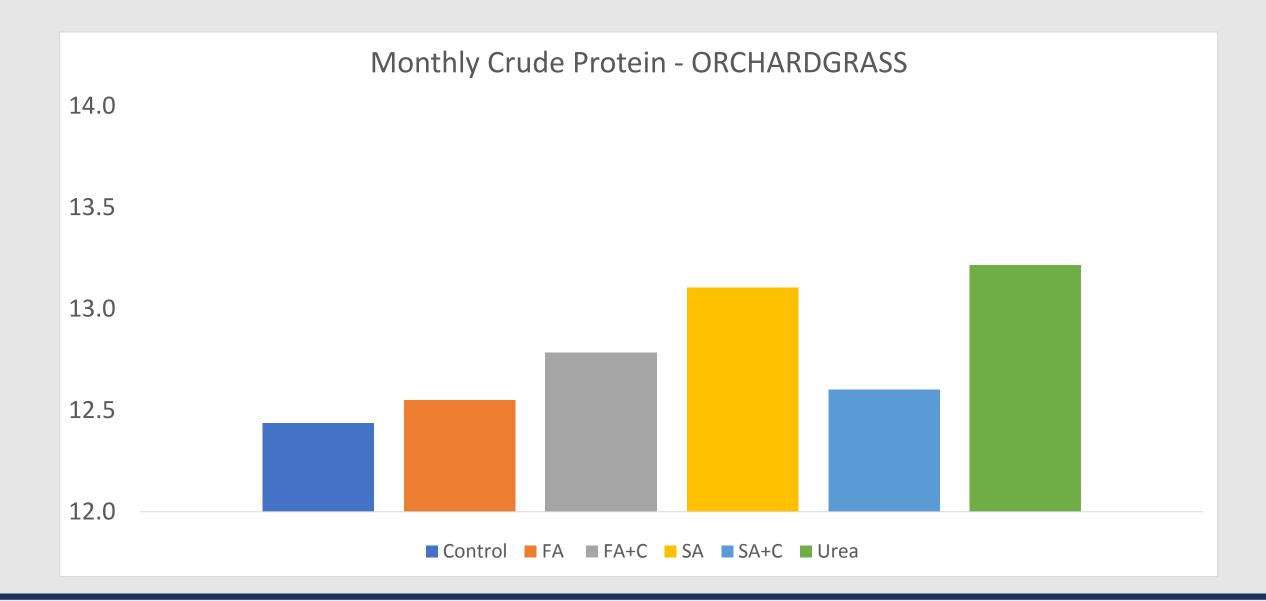
Total orchardgrass forage yield under during the 2020 growing season





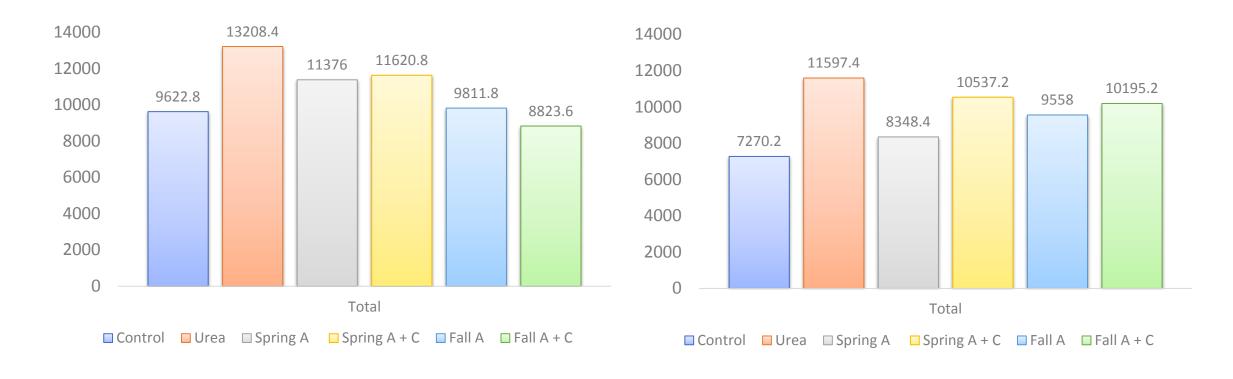








2021 Forage Mass Production



Tall Fescue

Orchardgrass

Preliminary Conclusion:

- Alfalfa interseeded into existing tall fescue is challenging
- Alfalfa interseeded into orchardgrass is promising
- June planted crabgrass is highly recommended
 - Weed control, for both grass weed and broadleaf weed
 - Promote yield
 - Maintain adequate nutritive value





Questions?