

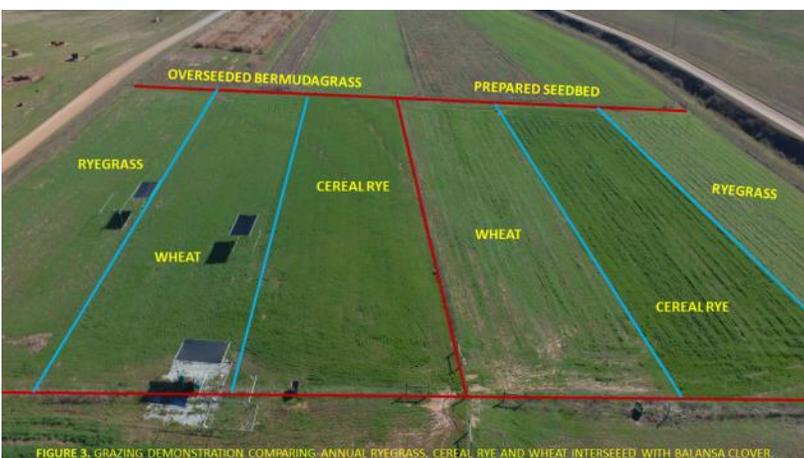
Wheat – When using wheat for grazing, select a variety with rapid emergence, good tillering and upright growth. One of the disadvantages of wheat is the poor forage production in the fall, but it can be higher forage quality than oats, rye and triticale. Wheat is less tolerant to poor drained soils than rye or triticale. When using wheat as a forage, it should be planted earlier and at higher seeding rate. However, planting too early in the fall, can make wheat susceptible to mosaic, barley yellow dwarf and Hessian fly. On the other hand, since wheat has excellent winter hardiness, it can plant later in the fall than some of the other small grains.

Table 1. Recommended planting dates and seeding rates for small grains in Mississippi for forage production.

Regional Planting Date for Mississippi					
Small Grain	North	Central	South	Seeding Rate (lb/ac)	Seeding Depth (inches)
Oats	Sep. 1 – Sep. 30	Sep. 1 – Oct. 15	Sep. 15 – Oct. 30	90 – 120	1 – 2
Rye	Sep. 1 – Oct. 15	Sep. 1 – Oct. 15	Sep. 1 – Oct. 30		
Triticale	–	–	Sep. 15 – Oct. 30		
Wheat	Sep. 15 – Oct. 30	Sep. 15 – Oct. 30	Sep. 20 – Nov. 15		

Grazing Practices – The selection and management of cool-season annual forage crops require special considerations, and most require additional management. Small grains can provide a good source of high quality forage to livestock from fall to early spring if weather permits. To avoid plant damage from severe defoliations, grazing should be delayed until strong secondary root system is well established and plants are 6 to 8 inches tall. Short succulent plants can be damaged by low temperatures and using controlled grazing to leave residual biomass might reduce freezing damage. Late grazing of small grains can reduce plants stand due to reduced number of tillers and increased damage from livestock trampling.

During early spring, small grains tend to be lower in mineral content due to faster growth. The lack of magnesium can lead to grass tetany. It is recommended to provide a mineral mix containing magnesium to cows that recently calved or are on the onset of calving to minimize the occurrence of grass tetany. If small grains were fertilized close to grazing, there is a risk for nitrate poisoning.



It is recommended to apply nitrogen after plant emergence when plants have reached three inches and in the middle of the season with at least 3-4 weeks before the intended grazing period. Although bloat is very rare with small grains, there is a risk when animals are turned into lush pastures with high moisture content in the spring. Bloat can be prevented by limiting grazing and feeding dry hay before turning the livestock onto the pasture or by providing a bloat blocker such as poloxalene.

Many livestock producers tend to see small grains as a supplemental emergency forage crop. It is important to note that these cool-season annual forage crops can have a crucial niche in a year-

round forage system. They help with forage production when cool weather impair perennial warm-season forage production or when drought decreases biomass production, they can help to decrease production cost instead of supplementing hay or commodity feeds. When selecting small grain varieties for your area is always important to look at average yield performance from several years from the variety performance evaluation trials conducted in your state or adjacent states. Contact your County Extension Office for information related to recommended varieties in your area and planting schedule. Small Grains Variety Testing data for forage production is available online at <http://mafes.msstate.edu/variety-trials/forage.asp>

For upcoming forage related events visit:
<http://forages.pss.msstate.edu/events.html>

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