



3. **How Should I Plant?** When seeding, the seedbed should be firm to ensure good soil-to-seed contact. Seeding methods include drill seeding (by use of a grass or no-till drill), broadcasting the seed and then culti-packing. Make the decision regarding tillage or no-tillage based on access to equipment or a custom applicator. If no-till is being used, reduce biomass competition ahead of the seeding date. If using conventional tillage, make sure the seedbed is properly established and firm.
- a. **Have I reduced the competition?** Weed management is directly tied to soil fertility. Weed problems in pastures are often the result of overabundant or insufficient soil nutrients or improper pH that affects nutrient availability. If grass cannot grow due to inadequate nutrients, then weeds will be more competitive than the grass. Using herbicides in pastures be part of an integrated approach and not the sole answer to weed control. There are several methods that can be used to reduce the competition and they include complete disking, burn down herbicides, clipping very short, and burning the existing biomass.
  - b. **Have I placed the seed in the soil properly?** Soil-to-seed contact is essential to increase germination and establishment rates and also makes for healthy seedlings. It is important to make sure that the seeder is properly calibrated to deliver the correct amount of seed per acre at the proper depth. Keep in mind that seed placement will also depend on seed size, soil type and soil moisture.
4. **When Should I Graze?** The recommended approach is to allow the new plants to grow to 10 to 12 inches and then graze down to four inches to allow root development and rapid recovery that will replenish root carbohydrates. Keep in mind that more forage grasses and legumes might grow from the crown buds, but overgrazing can reduce seed formation and potential self-reseeding in some cases. The best way to test if a new stand have adequate root development and it ready graze is by grapping a handful of aboveground biomass and pulling. If you can easily pull it out of the ground, the root system is not sufficiently developed to prevent uprooting by the animals as they graze. Be patient and do not graze the need seeding too early!

Restoration and renovation are two approaches to maintaining a dynamic ecosystem that is constantly changing based on factors such as weather, grass height management, weed pressure, livestock needs and fertility. No matter if you are restoring or renovating a pasture, both of them come with risks and rewards. Keep in mind that either approach is costly in terms of inputs, labor and time (including the time loss in those acres taken out of production). The overall goal should be to restore optimum forage production by improving fertility, reducing weed competition and implementing grazing management strategies that can extend the grazing season and increase animal production. Producers should develop a system to maintain a robust grass ecosystem that supports healthy productive animals with quality feed.

#### **Upcoming Events**

April 21, 2017—Beef Boot Camp, Starkville, MS  
April 28, 2017—Pearl River Co. Forage Field Day, Poplarville, MS  
April 29, 2017—Beef Unit Field Day, Starkville, MS  
May 4, 2017—Coastal Plain Exp. Station Forage Production Field Day, Newton, MS  
May 11, 2017—Hinds Co. Forage Field Day, Utica, MS  
June 2, 2017—Jefferson Davis/Lawrence Co Forage Field Day  
June 13, 2017—Alcorn Co. Forage Field Day  
June 23, 2017—Warm-season Forage Field Day

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

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