

LIVESTOCK NEWSLETTER

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Frost Seeding Clover to Pastures

Many livestock owners are well versed in the benefits of having an ample mix of clover in their pastures. Clovers are legumes, which are a forage that is high in crude protein and has the ability to fix nitrogen into the soil. In addition, a mixed cool season grass-clover stand balances out the negative characteristics of each type of forage. For example, clovers/legumes can dilute the negative effects of fescue toxicosis while cool season grasses will reduce incidence of bloat as associate with a pure clover stand.

Legumes start their growth later in the spring and grow longer into the summer than cool season grass. There's a typical 'slump' in the middle of summer for most cool season grasses, that legumes can somewhat 'fill in the slump' because of a tap root allowing it to draw moisture from deeper in the soil.

Several varieties most suitable in Missouri include Medium Red Clover, White Clover, Alsike Clover, and Lespedezas such as Korean Lespedeza.

The most common way to seed clover is to frost seed in February or March. You can broadcast seed on pastures or hay fields that are shorter due to grazing or mowing. This later freezing and thawing of the ground works the seed into the soil. It is best to drill seed in late spring or autumn (perennial) to ensure good seed to soil contact. However, for most lespedeza varieties (including Korean), because it is an annual, broadcast or drill from March to April and not in the fall. If clover hasn't been established use inoculated seed with the appropriate bacteria (rhizobia) to assure nitrogen production.

For seeding rates/timelines and information on specific varieties check out these publications on <https://extension2.missouri.edu> (g4515 and g4652) or ask your local Extension Agronomy Specialist.

MO Beef for MO Kids Program

If you're a member of the Cattlemen's Association, no doubt you've probably heard of this program: MO Beef for MO Kids. This has become a statewide program by the MO Beef Industry Council to increase the amount of beef served in schools, inform students where their food comes from, and to promote agriculture as well as locally sourced beef.

Specifically, for the Callaway-Montgomery Chapter, they have set a goal of six cull cows to be donated per year. Producers who donate a cull cow are recognized by having a poster that highlights their operation in all four North Callaway Schools; this generous donation is also counted as a charitable contribution.

If you have further questions or are interested in donating to this particular area, call Carrie Bryant (573-489-4722) or Kristin Benne (636-299-7306).

Fall Show-Me-Select Sale Summaries

Below is the sale summary of the 2019 Fall Show-Me-Select Replacement Heifer sales. These do not include the price differences of Tier I and II, Show-Me Plus, or any other variables.

Stay on the lookout for the upcoming Spring Show-Me-Select Heifer sales in May and June; this includes the new Central Region Sale at the South Central Regional Stockyards in Vienna, MO.

Show-Me-Select Fall Sale	Date	# of Head	Average \$
Joplin	11/15/19	190	1,672
Kirksville	11/22/19	110	1,811
Kingsville	11/30/19	231	1,768
Fruitland	12/07/19	64	1,651
Farmington	12/13/19	112	1,694
Palmyra (F&T)	12/14/19	229	2,017

Events

4-H Horse Bowl Practice Sessions

If your club wants to show what they know and is interested in participating in the Annual Horse Bowl this spring, join us and William Woods University (Fulton) for the following resource and practice days:

- January 11th 10 am – 2 pm at the WWU Stables
- February 1st 10 am – 2 pm at the WWU Burton Business Building
- March 14th 10 am – 4 pm at the WWU Burton Business Building

These are free events but RSVPs will allow us to be fully prepared with adequate space and materials. Please call Diane Temmen at 573-634-2824 or Jennifer Petterson at 573-592-4280 for more information or to register.

Farm Bill Meetings

These meetings will cover the 2018 Farm Bill decisions, changes, deadlines, and decision tools. This is a free meeting but RSVP is requested online or by phone at the following locations:

- Mexico: 1/13/2020, 1:30 pm or 5:30 pm at the Audrain courthouse Basement Community Room. 573-581-3231.
<https://extension2.missouri.edu/events/farm-bill-education-mexico>
- Fulton: 1/16/2020, 1:30 pm or 5:30 pm at the Callaway Extension Center Meeting Room. 573-642-0755.
<https://extension2.missouri.edu/events/farm-bill-education-fulton>
- Bowling Green: 1/30/2020, 1 pm at the Pike County Courthouse Annex Meeting Room. 573-324-5464.
<https://extension2.missouri.edu/events/farm-bill-education-bowling-green>

Heifer Development Program

Thursday, January 23 starting at 6:30 pm at the Gasconade Extension Office in Owensville. The program is about heifer development and will cover selection, nutrition & management, cost of

buying vs. developing, prebreeding, sire selection and opportunities with Show-Me-Select. This is a free event.

Please RSVP with the Gasconade Co. Extension Office at 573-437-2165 or online at <https://extension2.missouri.edu/events/heiferdevelopment-program>.

Mid Missouri Grazing Conference

Join us on Thursday, January 30th, 2020 for the annual MMGC at the St. Martins Knights of Columbus in Jefferson, City, MO from 1 pm – 6:30 pm. There will be 6 topics and our Keynote Speaker, Valerie Tate. Registration is \$30 by January 17 (\$40 at the door) and includes dinner and door prizes. Call 573-897-3797 ext. 3 (Megan Rudroff or Cindy DeOrnellis) for more information.

January & February is the time for PPAT

Check with your local Extension Office for dates for PPAT (Private Pesticide Applicator Training) trainings. These are taught in a classroom setting, led by your local Agronomy Specialist.

Midwest Cover Crop Council Meeting

The MCCC 2020 Annual Meeting and Conference is February 11-12th at the KCI Expo Center in Kansas City, MO. Further information can be found at <http://mccc.msu.edu/about/meetings/>.

Livestock Newsletter Update and Other Sources

Please let me know if you have a topic in mind that you would like me to address in a following issue! As usual, keep up to date on upcoming Extension events in the area on our website <https://extension2.missouri.edu/counties/callaway> or visit your local Extension's county page at <https://extension2.missouri.edu/counties/YOURCOUNTY'SNAME>.

For those inclined to the social media platforms; search in Facebook the MU Extension in Callaway County and Show-Me-Select Bred Heifer Sale: Central Region, Vienna.