



AGRICULTURE

February 2022

Ottawa/Delaware County Extension

Agriculture News



Dicamba & Private Pesticide Applicator Training

February 24th at 9:00 AM

Ottawa County Extension Office

Lunch will be provided. RSVP by February 22nd

9:00 am – Todd Baughman - Dicamba Training & Herbicide Update

10:00 am - Winter Wheat Variety Tolerance to Metribuzin

11:00 am - Herbicide Resistance

This meeting will be held in sessions. Join us to obtain your choice of CEU's. If you do not plan on attending the first session, please arrive 5 minutes prior to the session of your choice to sign in for credit. You are welcome to leave at the end of any session.

For more information, please contact the Ottawa or Delaware County Extension Office.

Ottawa/Delaware County Extension

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OSU Ottawa County Extension
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Time to Add Clovers to Your Pastures

Paul Beck, OSU Extension Beef Cattle Specialist

Nitrogen fertilizer prices have reached over \$750/ton for urea (over 85¢/pound of N), with expectations that it could reach over \$1,000/ton. This is a good time to consider using legumes in our pastures to replace N fertilizers. Forage legumes can fix 50 to 150 (or more) pounds of nitrogen from the air, depending on the density of the legume stand. Clover plantings are often most successful when planting in late winter to early spring (February and early March), so it is time to get this on your mind.

Clovers and most other legumes require neutral pH and proper soil phosphorus and potassium. Hopefully, you have been following Extension recommendations and soil testing and correcting pH and soil fertility issues when fertilizers were cheaper. If you are considering planting clovers first, you should soil test the sites you are considering planting. Clovers do not fixate nitrogen as well in acid soils, so pH > 6.0 is a must. If pH, P, and K are adequate or easily corrected in some sites but not others plant clovers in the better sites. Then grass should be grazed or mowed closely, the reduction in plant residue enables good seed to soil contact for better germination and seedling survival.

Frost seeding of clovers is very cheap and effective. To do this, seed is simply broadcast seed onto the soil surface and allowing the

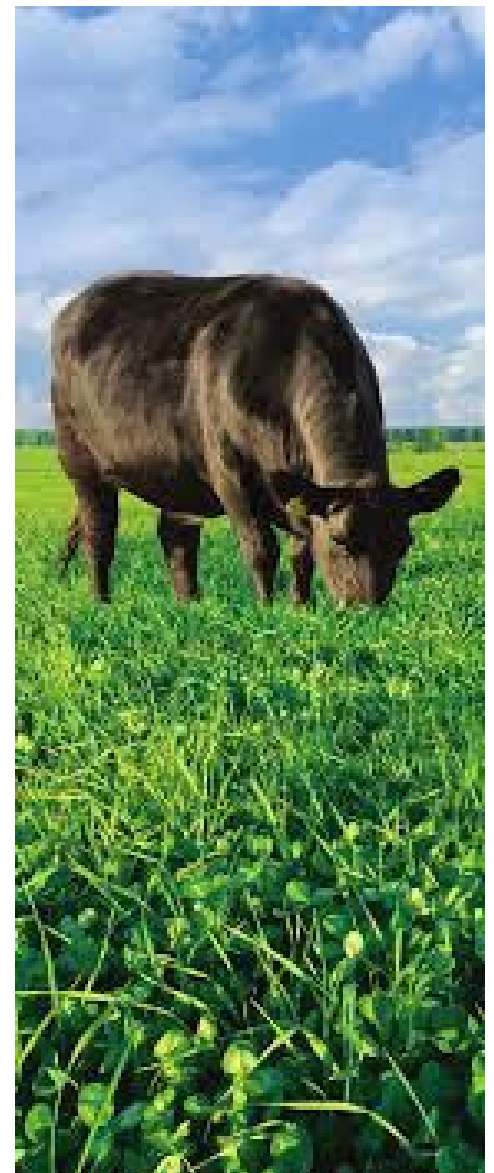
freeze and thaw cycles to incorporate it into the soil through frost heave. Success can be enhanced by dragging pastures after you broadcasting the seed to get better contact with the soil. If using a no-till drill be sure seed depth is right, these small seeds should not be planted more than ½ inch deep. Planting equipment should be calibrated to ensure the correct seeding rate. Red clover should be planted at 10 to 12 pounds per acre, but white clover should only be planted at 3 to 5 pounds per acre.

Using high-quality seed of a clover species adapted to you site is also of great importance. Arrowleaf clover is highly productive in sandy loam soils while red clovers prefers loam to clay loam soil but neither thrives in poorly drained soils. White clover does well in poorly drained loam to clay loam soils.

In some recent research, interseeding white and red clovers into bermudagrass was compared to bermudagrass fertilized with 0, 50, or 100 pounds of actual N per acre. For each pound of nitrogen, steer gain per acre was increased by 1.2 to 1.5 pounds, which would cost about 56 cents per pound of gain. Including clovers in the pasture increased total bodyweight gain per acre by over 150 pounds over fertilized pastures, so clovers can be highly cost effective to add to your pastures.

For more information about clovers and other legumes refer to the fact sheet “Forage Legumes for Oklahoma” PSS-2585 by John Caddel and Jim Enis.

<https://extension.okstate.edu/fact-sheets/forage-legumes-for-oklahoma.html>



Access Farm Management Resources Online

Brent Ladd, Extension Assistant

The e-Farm Management website has information for producers seeking to strengthen their farm financial management skills. This site includes videos, publications, and software tools for farmers and ranchers. Producers will find resources on many financial, production, marketing, and risk management topics.

One available resource is the Cash Flow video. In this video, viewers learn about cash flow statements. The video lists information that is needed to create a cash flow statement as well as uses of the cash flow statement in managing a farm or ranch. Lastly, the video shows how cash flow statements are related to other financial statements.

To find this video and additional resources on cash flow statements, go to:
<https://extension.okstate.edu/programs/farm-management-and-finance/e-farm-management-training/farm-ranch-balance-sheet-and-cash-flow-statement/index.html>.



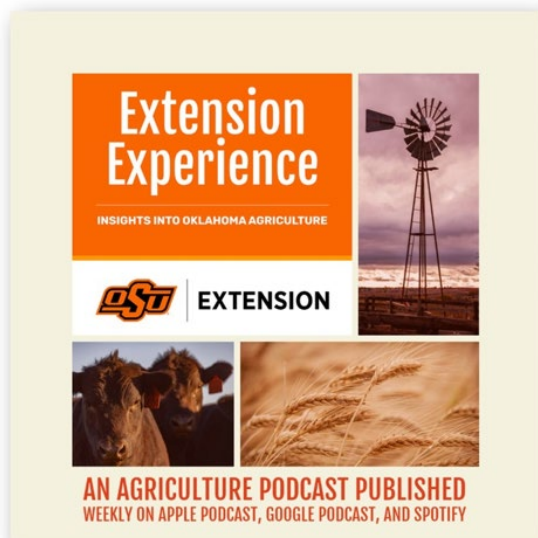
More information on this and other farm management topics may be found three ways: 1) contact your nearest Extension Educator 2) visit the e-farm management website (<https://extension.okstate.edu/programs/farm-management-and-finance/e-farm-management-training/index.html>) or 3) visit the OSU Ag Econ YouTube Channel (<https://www.youtube.com/user/OkStateAgEcon>).

Extension Experience Insights into Oklahoma Agriculture

The Northwest Area Extension Staff would like to announce the creation of our new podcast *Extension Experience*. The *Extension Experience* podcast is brought to you by Josh Bushong, Trent Milacek, and Dana Zook. Each week they provide perspective on Agriculture topics and offer insight from our experience working with Extension Educators and Producers across Oklahoma.

The *Extension Experience* podcast is available on Spotify, Google Podcasts, and Apple Podcast platforms. You can also access the episodes on spotlight, <http://spotlight.okstate.edu/experience/>.

We hope you consider listening to Extension Experience.



Quicken for Farm & Ranch Financial Records

Are you interested in learning how to use Quicken for your farm & ranch record keeping?

Join us February 18th at 9:00 am - 11:30 am

RSVP By February 16th

Ottawa County Extension Office – Miami, OK

123 E Central Ave. Suite 101

Scott Clawson, Northeast OK Area Economist –

- Basic Knowledge and How To for Setting Up Quicken
- Benefits of Using Quicken for Farm and Ranch Financial Records



If you already have a Quicken account and would like to bring a laptop with you, Mr. Clawson will be available at the conclusion of the workshop to answer questions.



EXTENSION

For Additional Information Contact:

Brooke Downing - OSU Ottawa & Delaware County Extension Educator @ 918-542-1688

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RANCHER'S THURSDAY LUNCHTIME SERIES

Preparing for Extended Drought

Join our Beef Cattle Extension team, experienced ranchers and scientists to learn and share beef cattle production, management and marketing tips. These free webinar sessions are scheduled for Thursdays at noon.

- ▶ **Feb. 10, 2022 | 12:00 p.m.**
Can I afford to buy feed to carry calves until pasture is available?
- Paul Beck, OSU
Replacement Heifer Nutrition to Optimize Pregnancy Rates
- Dave Lalman, OSU
- ▶ **Feb. 17, 2022 | 12:00 p.m.**
Considerations for grazing systems with introduced forages
- Brian Pugh, OSU
Considerations for native rangeland grazing systems
- Laura Goodman, OSU
- ▶ **Feb. 24, 2022 | 12:00 p.m.**
The Weather: What Can We Expect?
- Wes Lee, OSU
Cattle Outlook: Destocking Considerations
- Derrell Peel, OSU

LIVE WEBINARS

- ▶ **Register Online:**
[dasnr.zoom.us/webinar/register/
WN_Tt4GaSxfSeyhFIH-01ePrw](https://dasnr.zoom.us/join/wn_Tt4GaSxfSeyhFIH-01ePrw)

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405-744-6060

Visit us at extension.okstate.edu

Persons with disabilities who require alternative means for communication or program information or reasonable accommodation need to contact David Lalman at 405-744-6060 or david.lalman@okstate.edu at least two weeks prior to the event.

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