Oklahoma 4-H’ers set to celebrate organization in October

The Oklahoma 4-H Youth Development Program is something to be celebrated all year long, but it gets extra celebration time in October when clubs observe National 4-H Week during the first full week of the month.

National 4-H week sees millions of youth, parents, volunteers and alumni come together to celebrate the positive impact 4-H has on its members and communities, said Kristin Young, marketing coordinator in the State 4-H Office at Oklahoma State University.

“National 4-H Week has been a longstanding tradition for the youth development organization,” Young said. “In fact, the week we celebrate now doesn’t look much different than it did in its beginning more than 90 years ago when it originated in 1926. The first known documentation of a 4-H Week was the proclamation of Club Week by Minnesota Governor Theodore Christianson to promote 4-H work.”

This year’s National 4-H Week is Oct. 4-10 with the theme Opportunity4All. This campaign, created by the National 4-H Council, is to rally support for Cooperative Extension’s 4-H program and identify solutions to eliminate the opportunity gap that affects 55 million youth across America.

Young said with so many children struggling to reach their full potential, 4-H leaders believe young people in partnership with caring adult mentors can play a key role in creating a more promising and equitable future for youth, families and communities across the county.

“In 4-H, we believe every child should have an equal opportunity to succeed, and we believe every child should have the skills they need to make a difference in the world,” she said.

To celebrate National 4-H Week, local clubs are encouraged to turn to social media to help highlight the positive impact 4-H has on youth in the community. One idea is to feature 4-H’ers throughout the week who are deserving of recognition and share how they are making a difference.

“It’s always fun to have a blast from the past, so dig up some photos of 4-H alumni who made an impact on the county program,” Young said. “Post selfies wearing your favorite 4-H shirt and indicate you’re celebrating National 4-H Week. Keep in mind that Oct. 7 is National 4-H Spirit Day. This is a day to show your 4-H pride by wearing your favorite 4-H t-shirt to school, work and other extracurricular activities. Be sure to adhere to social distancing and mask guidelines in your community.”

When posting on social media, including Facebook, Twitter and Instagram, Young encourages clubs to use these hashtags, including #Opportunity4All, #OK4H, #National4HWeek, #TrueLeaders, #4HGrown and #Fourward.

Young said she hopes Oklahoma 4-H’ers are excited about this year’s 4-H STEM Challenge that occurs annually during National 4-H Week. This year’s theme is Mars Base Camp. Developed by Google and Virginia Cooperative Extension, Mars Base Camp is a collection of activities that teaches youth STEM skills, including mechanical engineering, physics, computer science and agriculture.

“We’re so excited about National 4-H Week and all the activities that are planned in counties across the state,” Young said.

4-H is the youth development component of Extension and empowers more than 6 million youth in the United States, involving 110 land-grant universities and more than 3,000 local Extension offices serving every county and parish in the country.
## Dates to Remember

<table>
<thead>
<tr>
<th>October</th>
<th>November</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-10  National 4-H Week</td>
<td>7  Turkey Preparation @9 A.M.</td>
</tr>
<tr>
<td>16   West District Action Conference</td>
<td>8  4-H Turkey Benefit Dinner</td>
</tr>
<tr>
<td>31   Commercial Pen of Calves Weigh-in</td>
<td>20  Cuts Livestock Judging Contest</td>
</tr>
</tbody>
</table>

### Interested in 4-H?

#### 4-H Club & Project Leaders

- **4 Him 4-H**: Mary Etta Campbell
- **Burlington 4-H**: Courtney Schupbach
- **Cherokee 4-H**: Amber Guffy
- **Timberlake 4-H**: Debra Fesmire
- **Burlington Cloverbuds**: Sarah Bellamy
- **Cherokee Cloverbuds**: Erin Metcalf
- **Horse Club**: Donna Binning
- **Shooting Sports Shotgun**: Roger Diller
- **Shooting Sports Archery**: Richard Jackson

*Please call the Extension Office for meeting times, dates, and locations! Have a great 4-H experience!*

### 2020 County Medals

**Burlington**

- **Remington Farney**: Clothing Fabrics & Fashion, Citizenship & Community Development
- **Owen Bellamy**: Sheep, Citizenship & Community Development
- **Emma Schupbach**: Goats
- **Mylee Sims**: Poultry, Food & Nutrition
- **Rylee Sims**: Goats
- **Morgan Matzke**: Sheep
- **Kaycee Matzke**: Sheep
Hey guys I’m Mylee Sims your Alfalfa County President!! I hope you all are staying safe and healthy!!! I’m going to talk about why I was so inspired to be a 4-H member and eventually become an officer!!! When I was young I was around 4-H all the time!! I would go to the Iowa Marion County Fair where my cousins showed market steers, hogs, and sheep. When I was four it was my first time to walk a 1,500 pound steer and I was so excited! That was when I first knew that I wanted to become a 4-H member and help younger kids find their interests!! Remember 4-H week is coming!! Remember represent 4-H!!” -Mylee Sims

“Hello my name is Emma Schupbach. I am the Alfalfa County 4H Vice President. I love showing horses and goats, especially at the county level. Bigger shows are really fun too! I participate in speech contests, I show livestock, I attend camps and food show-downs. My hobbies are riding horses and raising goats. I encourage kids to join 4-H and explore all the possibilities in life! Our county officers are always ready to help where help is needed. If you have any service projects, we’re always open to ideas and ready to help our community. I know this is a difficult time for everyone and I hope you are all doing well.” Take Care, Emma
“I have been in 4H for 9 years. I have participated in a lot of various project from food preservation, shooting sports, welding, Dairy, Foods, Gardening, Chickens, photography, swine and goats, but my favorite is Beef. I enjoy showing and working with cattle. I have shown at NWSS, American Royal, Jr Nationals and 4 different state fairs. I wanted to be an officer at the county level to get an opportunity to meet other kids involved in 4H in the area since we just moved here. I also enjoy playing volleyball gymnastics and taking pictures.” - Bianca Binning

“This is my 8th year as a 4Her unless you count the 2 years as a clover bud following around my 2 big sisters. I have been enrolled in a variety of projects including clothing construction, Dairy, cats, swine, photography, swine, shooting sports, Foods, arts, and beef. My favorite project is photography. I also am involved in volleyball, cross county, and cheer. In my spare time I also love to work out at the gym and playing with my cats. I thought being an officer would be a good way to learn more about Oklahoma 4H.” - Jazzmin Binning

Alfalfa County 4-H President (Mylee Sims) with the Alfalfa County Commissioners after the signing of the National 4-H Week Proclamation!
The 2020 Alfalfa County 4-H Benefit Dinner will be held Sunday, November 8. To help keep our community and supporters safe during Phase 2 of the Coronavirus issue, there will be NO cafeteria seating for the dinner. ALL meals will be handled as to go orders. No need to call ahead for your order, or to leave your car. There will be containerized meals brought directly to your vehicle as you drive up in front of the Alfalfa County Exhibit Building. 4H'ers will still be making local deliveries, call 580-596-8144 for ordering and directions for delivery personnel.

THANK YOU FOR SUPPORTING ALFALFA COUNTY 4-H! PROCEEDS FROM THIS DINNER PROVIDE FEE WAIVERS FOR 4-H MEMBERS TO ATTEND DISTRICT, STATE AND NATIONAL EVENTS.
COMMERCIAL PEN OF CALVES
Alfalfa County
SPRING LIVESTOCK SHOW
2020-2021

- Open to any student in Alfalfa County schools or home schooled. Ages: Jr. 8-13; Sr. 14-19, enrolled in 4-H or FFA.
- Weigh-in will be October 31, 2020 at the Cherokee Sales Company Facilities, 9:00-11:00 am.
- Each entrant may weigh in 3 or 4 animals (heifers or steers).
- May have no more than 2 entries
- Ear tags will be assigned to each calf and calves will be tagged at the weigh-in.
- Calves will be evaluated and priced with an average of the 3 animals determining the weigh-in value.
- Weigh-out will be February 19th, 2021 at the Cherokee Sales Company Facility 4:30-5:00 pm.
- Each pen will return with 3 of the animals only.
- Calves will be valued with the average of the three being the weigh-out value of the pen.
- Minimum weigh-in weight 350#, maximum weigh-in weight 650#.
- Proof of ownership must be established by weigh-in (cancelled check, bill of sale).
- Final placings will be determined by:
  - 1/3 on value gained. (Values weigh-in to weigh-out)
  - 1/3 on records. Excel spreadsheet provided for record keeping. (Plus receipts, bill of sale, cancelled checks, etc.)
  - 1/3 on oral or written interview. (Choice of entrant)
- Value gained equals value weigh-out less value weigh-in.
- All entries will be placed with a Champion & Reserve Champion Pen of Steers and Heifers.
- All entries placed will be eligible for the Alfalfa County Spring Livestock Show Premium Sale.
- Records must be turned in between 9-11am, February 22, 2021. (or first day of stock show.)
- Interviews will be 2-4pm, February 22nd (or first day of stock show.)

*The Alfalfa County Cattleman’s Assn. will award the following additional premiums &/or awards in each division.

Junior Champion pen of steers = $250  
Senior Champion pen of steers = $250
Junior Champion pen of heifers = $250  
Senior Champion pen of heifers = $250

Alfalfa County Cattleman’s Assoc.  
President: Bo Ferrell  
(405) 612-4488

Alfalfa Co. Cooperative Extension  
602 W. 5th St,  
Cherokee, OK 73728  
Tommy Puffinbarger  
(580) 596-3131

Cherokee Sales Co.  
60902 Harmon Rd  
Cherokee, OK 73728  
Owner: Jarrid Herrmann  
(785) 564-0869
1st Annual CUTS Judging Contest
(Open to all Oklahoma 4-H and FFA members)

Where: Alfalfa County Fairgrounds, Cherokee, Oklahoma.
When: Friday, November 20th
  Registration 7:30 AM to 8:30 AM.
  Contest starts 9:00 AM
  (Each contestant must submit the pre-entry form, $5 entry fee and a signed Covid release form)

Contest will consist of 8 classes (2 of each species)
Divisions will be consistent with OKC and Tulsa State Fair guidelines:
  Junior 4-H and Junior FFA – 2 sets of reasons.
  Senior 4-H and Senior FFA – 3 sets of reasons.
  (Reasons takers provided by Northern Oklahoma Junior College, Coach: Jennifer Bedwell)

Awards: Top 5 announced, top 3 awarded
Award Sponsor: Oklahoma Farm Bureau

Lunch provided for contestants, coaches and volunteers
Lunch sponsor: Farm Credit of Enid
Open to all actively enrolled 4H members that are eligible to show at the West Region, North District 4H Horse/Ranch Horse Show.

This program is intended to advance the knowledge base of youth in equine handling skills, particularly but not limited to groundwork with young horses.

There is no limit to the number of 4H’ers that may apply and participate in the round pen and future equine demonstrations/workshops. There are however only 5 colts that will be awarded to (5) 4-H members. Applications must be filled out completely and accompanied with a letter of recommendation from an industry leader, Extension Educator or veterinarian. The letter must state the qualifications of the youth to care for the individual animal. This includes feeding, veterinary, hoof care, safe facilities for the equine and overall ability to carry out the program which would include adult help.

**What is Available:**
- 5 weanling colts
- Mix of fillies and stud colts
- All horses will be grade, none are registered
- Various Breeds
- Halter Broke (May not lead well or be extremely gentle)
- Current on Vaccinations
- Current Coggins test

Once the youth takes possession of the weanling, it is theirs. They may trade, sell or keep and train their project with the opportunity to participate in a Clover Equine event. This event will be held in conjunction with the West District, North Region Ranch Horse Show, where the youth will have the opportunity to showcase (demonstrate what they have taught their equine project), with awards presented following the showcase.

**Auction (Optional)**

After the event showcase and awards, youth will have the opportunity to sell their project horse at auction. There will be no fees associated with the sale of the animal and the youth will retain all monies from sale of their entry.

**For more information about this project contact the following:**

<table>
<thead>
<tr>
<th>Name</th>
<th>County Extension</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tommy Puffinbarger</td>
<td>Alfalfa County Extension</td>
<td>580-596-3131</td>
</tr>
<tr>
<td>Sarah Donahue</td>
<td>Grant County Extension</td>
<td>580-395-2134</td>
</tr>
<tr>
<td>Loren Sizelove</td>
<td>Beaver County Extension</td>
<td>580-837-5523</td>
</tr>
</tbody>
</table>
Holiday Happenings

Mark your calendars and get ready for an educational day of activities on Thursday, November 5, from 10:00 a.m. - 3:00 p.m. at the Woods County Fairgrounds. For more info call 580-327-2786. You must pre-register to attend. This event is open to everyone, so bring a friend. Social distancing will be in effect. Lunch and supplies will be included.

OHCE 2021 Enrollment

Membership dues of **$17.00** should be collected by local treasurer and sent to the Extension Office by October 23rd. Membership forms should be updated annually for anyone who’s contact info has changed. Don’t forget, local treasurers need to provide a copy of new member’s enrollment to the Extension Office.

NO LEADER LESSON IN NOVEMBER

ENJOY YOUR HOLIDAY PARTIES!

Blood Drive~~November 19, 2020

We will be having a Blood Drive Thursday November 20, 2020 at the Alfalfa County Exhibit Building. Each group needs to donate $20.00 to help pay expenses and provide a worker. Please send $20.00 to the Alfalfa County Extension Office. Blood Drive workers needed! Please Volunteer if you have time!

Work Schedule

*If your group is not going to send a worker please notify the extension office or the blood drive chairman.*

- 11:00 am—2:30 pm. ------ Domes-Ti-Kates
- 2:30 pm. – 6:00 pm --------------- Farmerettes
Fall Association Meeting

Join us for the OHCE Fall Association Meeting on Tuesday, October 20, 2020
Registration: 6:15 pm
Meeting: 6:30 pm
Speaker: Schaun Aker
Topic: Cherokee Main Street

Each group please bring a door prize, $5.00 limit
All are welcome to attend!

It’s Time to Elect Local Officers for the Year 2021

Please provide the Extension office your list of local officers by October 16, 2020.

October Leader Lesson!

“Active Listening”

The October leader lesson “Active Listening” will be held October 23, 2020 at 2:00pm at the Alfalfa County Extension Office. Presented by Dana Baldwin, Extension Educator FCS/4-H, Major and Blaine Counties. All are welcome to attend, bring a friend.

CANCELED
Christmas Open Housing Tour

Farmerettes OHCE group regretfully cancels their December Christmas Open Housing Tour this year.

Watercolor Workshop

With Alicia Mitchell
November 19, 2020

Watercolor workshop instructed by Alicia Mitchell will be held Nov. 19, 2020 from 5:30 to 7:30pm at the Alfalfa County Fairgrounds.

Cost $15.00
Supplies included, snacks & drinks provided.
Space is limited: RSVP by Nov. 12th
596-3131
Lunchtime Learning:

Quick & Fun Workshops at Lunch!

October 23, 2020  
12:00–1:15 pm  
Topic: Sock Gnomes / Keeping Socially Active

November 20  
12:00—1:15 pm  
Topic: Party Dips / Stress Management

December 18  
12:00—1:15 pm  
Topic: Boho Wall Hanging / Smart Finances for the New Year

{ Join us for our end of year Lunchtime Learning Workshops! }

Each workshop will have a hands-on project or demonstration followed by a 15 minute program!

** Cost is $10 per workshop. Bring your own brown bag lunch!

**Please RSVP one week in advance by calling the Alfalfa County Extension Office @ (580)596-3131.
2020 Holiday Happenings

Thursday, November 5
10:00 a.m. to 3:00 p.m.
Woods County Fairgrounds in Alva

Sessions include:
Lighted Canvas, Reversible Porch Sign, Fall Wreath,
and an educational lesson on “Taking Time for You”.

A registration fee of $40 will be due by Tuesday, October 27.
(payable to “Woods County OSU Extension”)

Registration fee covers: morning refreshments, lunch, and all session supplies.
(Please let us know: broccoli cheddar or potato soup/chicken salad or ham & cheese sandwich?)

Register now-- space is limited!
- COVID-19 social distancing guidelines will be followed -

EXTENSION

Oklahoma State University, as an equal opportunity employer, complies with all applicable federal and state laws regarding non-discrimination and affirmative action. Oklahoma State University is committed to a policy of equal opportunity for all individuals and does not discriminate based on race, religion, age, sex, color, national origin, marital status, sexual orientation, gender identity/expression, disability, or veteran status with regard to employment, educational programs and activities, and/or admissions. For more information, visit https://eeo.okstate.edu.

To register for this event, please contact your county OSU Extension Center:
Alfalfa County-- phone 580.596.3131
Blaine County-- 580-623-5195
Grant County-- phone 580-395.2134
Major County-- phone 580.227.3786
Woods County-- phone 580.327.2786
This program is brought to you through the OSU Extension Family & Consumer Sciences programs in these counties.
Coronavirus Food Assistance Program 2

Alfalfa County FSA is taking applications by phone at 580-596-2625 extension 2.

Signup for the Coronavirus Food Assistance Program 2 (CFAP 2) began on Sept. 21, 2020 and will continue through Dec. 11, 2020. CFAP 2 provides eligible producers with direct financial assistance due to market disruptions and associated costs because of the COVID-19 pandemic.

CFAP 2 is a separate program from the first round of the Coronavirus Food Assistance Program, now referred to as CFAP 1. Farmers and ranchers who participated in CFAP 1 will not be automatically enrolled and must complete a new application for CFAP 2. Details on how to apply can be found on farmers.gov/cfap/apply.

CFAP 2 Eligible Commodities Finder

Many more commodities are eligible for CFAP 2 than CFAP 1. Interested in finding the Coronavirus Food Assistance Program 2 payment rates for the eligible commodities you grow or raise? Our new, easy-to-use CFAP 2 Eligible Commodities Finder makes finding payment rates specific to your operation simple. From yam to alpaca farmers – and everyone in between – the payment rate information you need is just a few clicks away. Try it today on your desktop, tablet, or mobile device.

Call Center

A call center is available for producers who would like additional one-on-one support with the CFAP 2 application process. Please call 877-508-8364 to speak directly with a USDA employee ready to offer assistance. The call center can provide service to non-English speaking customers. Customers will select 1 for English and 2 to speak with a Spanish speaking employee. For other languages, customers select 1 and indicate their language to the call center staff.
**Fall Calving**

1. Semen evaluate bulls and trim feet, if necessary.
2. Purchase new bulls using EPD’s as major selection criteria. Check history on health, including immunizations and diseases on the farm of origin.
4. Start feeding supplement during winter to lactating mature cows using the following guidelines. Amount depends on the quality and amount of forage available and the condition, age, weight, and milk production of the cows.

<table>
<thead>
<tr>
<th>Supplement</th>
<th>Ib. Supplement/day</th>
<th>Ib. Supplement/day</th>
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<tbody>
<tr>
<td>Dry grass</td>
<td>3-4</td>
<td>6-7</td>
</tr>
<tr>
<td>Dry grass + 10 lbs. good nonlegume hay</td>
<td>2-3</td>
<td>4-5</td>
</tr>
<tr>
<td>25 lbs. good nonlegume hay</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Dry grass + 10 lbs. alfalfa or other legume hay</td>
<td>None</td>
<td>None</td>
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</table>

Young, lactating cows have 20 to 25 percent greater supplemental needs than indicated above. If vitamin A deficiency is likely (i.e., dry year, lactation), provide in supplement or by injection. Green pasture during the fall and winter can replace much of the purchased protein supplement.

**General Recommendations:**

1. October 15 is the last date for treating cattle with grubicide.
2. Beginning in late October or November, provide supplemental feed for bulls on dry grass according to age and condition: a) feed mature bulls three to four pounds of a 40 percent crude protein supplement per day; b) feed young bulls eight to 10 pounds of a high-energy, 20 percent protein supplement; and c) additional concentrates may be needed during the first month of the breeding season.
3. Overseed bermuda grass with small grains.
4. Evaluate cows’ body condition score at weaning. Develop winter nutrition program to have cows in BCS of five or six at calving to enhance rebreeding performance.

**Spring Calving**

1. Wean calves. If green winter pasture is available for cows, delay weaning summer-born calves a few months.
2. Pregnancy check cows and bred heifers. Consider culling females that are open, old, poor producers, or have feet, leg, eye or udder problems.
3. Vaccinate newly weaned calves kept as stockers or replacements with Leptospira bacteria and IBR, PI3, BRSV, and BVD vaccine. Consult a veterinarian about this vaccination program and other diseases that are a local problem.
4. Treat cows and calves for internal parasites and lice, as necessary.
5. Complete selection and culling outlined in September.
6. In late October or November, start feeding supplement to mature cows using these guidelines.

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<thead>
<tr>
<th>Supplement</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Dry grass</td>
<td>11/2–2</td>
<td>3-4</td>
</tr>
<tr>
<td>Dry grass + 10 lbs. good nonlegume hay</td>
<td>None</td>
<td>None</td>
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</table>

**Heifers require more supplemental feed than indicated above.**

7. Heifer calves should gain a minimum of one pound per day during winter, and pregnant yearlings a minimum of a half pound per day. Steer calves carried over to yearlings should gain one half to one pound per day. All these groups should be managed separately.
8. If ample forage is available (six inches or more), limit-graze small grain pastures to supplement cows on low-quality roughage. Graze small grain pastures one to two days per week with dry cows, and three to four days per week with lactating cows (for example, graze every other day and skip Sunday).
**Beef Cow Herd Calendar—November**

**Fall Calving**
1. Continue feeding program begun in October. Lactating cows need to be in good condition for breeding.
2. Begin breeding heifers 20 to 30 days before the rest of the cow herd (late November or December).
3. Treat cattle for lice if needed.
4. If not previously done, complete herd sire selection and the culling of replacement heifers. Base decisions on performance records as outlined in the August, September, and October sections.

**Spring Calving**
1. Continue feeding program begun in late October or begin according to guidelines listed in October, if not previously started.
2. Check the weaned steer and heifer calves regularly for health problems and feed adequately to produce desired gains. Two to four pounds of protein supplement per head per day is needed to produce a half- to one-pound gain per day, depending on the quality of forage available and weather conditions.
3. Treat cattle for lice if needed. If culling is not completed in September and October, it should be completed this month.

**General Recommendations:**
1. Discontinue feeding tetracycline for anaplasmosis control after the end of the vector season (30 to 50 days after a hard freeze).
2. Check with your Extension office for information on educational meetings about livestock and forage production practices.
3. Graze native hay meadows after frost.
4. Use prescribed fire every other year in dry leaf litter to control hardwood sprouts (less than four inches).
## OKLAHOMA QUALITY BEEF NETWORK

### DQBN VAC-45 SALE

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>SALE DATE</th>
<th>45-DAY WEAN DATE</th>
<th>60-DAY WEAN DATE</th>
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<tbody>
<tr>
<td>OKC West (El Reno)</td>
<td>Weekly</td>
<td>Weekly</td>
<td>Weekly</td>
</tr>
<tr>
<td></td>
<td>Feb. 2, 2021</td>
<td>2020</td>
<td>2020</td>
</tr>
<tr>
<td>Cherokee Sales Co.</td>
<td>Nov. 4, 2020</td>
<td>Sept. 20, 2020</td>
<td>Sept. 5, 2020</td>
</tr>
<tr>
<td>McAlester Stockyards</td>
<td>Nov. 10, 2020</td>
<td>Sept. 26, 2020</td>
<td>Sept. 11, 2020</td>
</tr>
<tr>
<td>Payne County Stockyards</td>
<td>Nov. 18, 2020</td>
<td>Oct. 4, 2020</td>
<td>Sept. 19, 2020</td>
</tr>
</tbody>
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**FOR MORE INFORMATION OR TO SIGN UP**

Jeff Robe • 405-744-4268 • jerobe@okstate.edu
12:00 P.M.
(Meal provided to those who RSVP)
Alfalfa County Exhibit Building
602 West 5th Street
Cherokee, OK 73728

5 Things you need to know about Wheat Pasture for Stockers or Replacement Heifers
- Dana Zook, OSU Animal Science Specialist

Market outlook for Wheat Pasture Stockers, Replacement Heifers and Cow Numbers
- Dr. Derrell Peel, OSU Econ Livestock Marketing

TO RSVP FOR LUNCH BY OCTOBER 20TH OR FOR MORE INFORMATION ABOUT THIS OR FUTURE PROGRAMMING CONTACT THE ALFALFA COUNTY COOPERATIVE EXTENSION SERVICE AT 580-596-3131
October

- Plant spring flowering bulbs now in well-drained soils with good sunlight. Planting depth is two times bulb diameter.
- Plant pansies, kale, and cabbage.
- Dig and store tender bulbs and tubers in a cool dry place.
- Container-grown shade trees and pines are most successfully planted in the fall. Broadleaf evergreens or bare-root plants are best planted in the spring. (HLA-6414)
- In mid-month, fertilize cool season lawns. (HLA-6420)
- Seeding of cool-season grasses for perennial lawns can continue through mid-October. (HLA-6419)
- Over-seeding of warm-season lawns with cool-season grasses for winter should be performed late this month.

Warm-season lawns are healthiest if winter over-seeding is not performed! (HLA-6419)
- Continue mowing cool-season lawns on a regular basis, even if warm-season grasses have quit growing. (HLA-6420)
- Remove leaves from cool-season grasses or mow with a mulching mower. (HLA-6420)
- October is an excellent time to control broadleaf weeds in well established warm or cool-season lawns with a post-emergent broadleaf weed killer. Don’t apply to seedling fescue. (HLA-6421)
- Mow and edge neatly before killing frost.
- Clean up marginal water garden plants after first frost kills the tops.
- Place a net over the water garden to prevent leaves from falling in the water.
- Remove diseased plant material from the landscape to reduce disease problems next year.

November

- Continue to plant spring flowering bulbs, pansies, kale, and cabbage.
- In the first week, fertilize cool season grasses again. (HLA-6420)
- Continue mowing cool-season lawns on a regular basis. (HLA-6420)
- Remove leaves from cool-season grasses or mow with a mulching mower. (HLA-6420)
- Continue to control broadleaf weeds in well established warm or cool-season lawns with a post-emergent broadleaf weed killer. (HLA-6421)
- Now is a good time for a soil test to correct nutrient deficiencies before winter.
- Dispose of pine cones of pines infested with Diplodia and Dothistroma. Prune out dead tips. (EPP-7618)
- Compost annual debris and leaves but do not compost diseased plant parts.
- November 15 to March 15 is the best time to prune most trees and shrubs. (HLA-6409)
- Prepare the landscape for winter. (HLA-6404)
- Scale insects can be controlled with dormant oil sprays applied when the temperature is above 40°F in late fall and winter. Do not use “dormant” oils on evergreens. (EPP-7306)
- Drain gasoline from power equipment or use fuel stabilizer before winter storage. Drain and store water hoses and wrap hydrants. Clean up all tools. Coat metal surfaces with a thin film of oil to prevent rust.
**Horticulture Tips**

**Turfgrass**
- You can continue to replant or establish cool-season lawns like fescue.
- The mowing height for fescue should be lowered to approximately 2½ inches for fall and winter cutting.
- Broadleaf weeds like dandelions can be easily controlled during October (HLA-6601).
- Mow and neatly edge warm-season lawns before killing frost.

**Ornamentals**
- Plant cool-season annuals like pansies, ornamental cabbage or kale, snapdragons and dusty miller when temperatures begin to cool.
- Begin planting spring-flowering bulbs like tulips, hyacinths, crocus and daffodils.
- Good companion plants for bulbs are ground covers such as ajuga, vinca, English ivy, alyssum, moneywort, thrift, phlox, oxalis and leadwort.
- Peonies, daylilies, and other spring-flowering perennials should be divided or planted now.
- Dig and store tender perennials like cannas, dahlias, and caladiums in a cool, dry location.
- Purchase trees from nurseries and garden centers during this time to select the fall color you prefer.
- Many perennials can be planted at this time and the selection is quite nice.
- Plant fall mums and asters and keep them watered during dry conditions. Don’t crowd since they take a couple of years to reach maturity.
- Plant container-grown trees and shrubs this month.
- Check and treat houseplants for insect pests before bringing them indoors and repot rootbound plants.

**Fruits & Vegetables**
- Dig sweet potatoes and harvest pumpkins and winter squash.
- Remove green fruit from tomato plants when frost threatens.
- Harvest oriental persimmons and pawpaws as they begin to change color.
- There is still time to plant radishes and mustard in the fall garden.
- Use a cold frame device to plant spinach, lettuce and various other cool-season crops for production most of the winter.
- Plant cool-season cover crops like Austrian winter peas, wheat, clover, and rye in otherwise fallow garden plots.
- Remove all debris from the garden to prevent overwintering of various garden pests.
- Start new planting bed preparations now with plenty of organic matter.

**Water Gardens**
- Take tropical water garden plants indoors when water temperatures near 50 degrees Fahrenheit.
- Close the water garden for the winter by placing hardy plants in the deeper areas of the pool. Stop feeding the fish.
- Cover water gardens with bird netting to catch dropping leaves during the winter months.
Plant Spring-Flowering Bulbs Now!

David Hillock

The latter part of this month and into November is the time to plant spring-flowering bulbs such as tulips, daffodils, hyacinths, etc. Be sure to get to the garden centers early so you can pick out the largest and healthiest of bulbs. They will bloom better for you than the smaller, discount types. Most bulbs should be planted to a depth that is about 2 times the diameter of the bulb. Be sure to plant your bulbs in well-drained soil; most will rot in our heavy, wet, clay soils during the winter if proper drainage is not provided.

To increase the spring bulb display, plant pansies at the same time. Pansies don’t mind the cold weather and can even provide a little extra color during the winter months. Come spring, they really take off and provide an understory of color to the overstory of color provided by the spring bulbs.

Prussic Acid Poisoning is a Concern After a Light Frost

Glenn Selk, Oklahoma State University Emeritus Extension Animal Scientist

It was discovered in the early 1900s that under certain conditions sorghums are capable of releasing hydrocyanic acid (HCN) or commonly called prussic acid. Prussic acid when ingested by cattle, is quickly absorbed into the blood stream, and blocks the animal's cells from utilizing oxygen. Thus the animal dies from asphyxiation at the cellular level. Animals affected by prussic acid poisoning exhibit a characteristic bright red blood just prior to and during death. Lush young re-growth of sorghum plants are prone to accumulate prussic acid especially when the plants are stressed such as drought or freeze damage. Light frosts, that stress the plant but do not kill it, are often associated with prussic acid poisonings. Producers should avoid grazing fields with sorghum type plants following a light frost. The risk of prussic acid poisoning will be reduced, if grazing is delayed until at least one week after a "killing freeze". As the plants die and the cell walls rupture, the hydrocyanic acid is released as a gas, and the amount is greatly reduced in the plants. One can never be absolutely certain that a field of sorghum is 100% safe to graze. Sun-curing of hay will reduce HCN, especially if the hay is crimped. The complex that binds the HCN is hydrolyzed and the HCN evaporates in gaseous form. A field test procedure is available in some areas of Oklahoma. It will not give quantitative levels for a sample, but rather an indication of the presence of cyanide. In this test “Cyantesmo Paper” is utilized to detect the presence of hydrocyanic acids and cyanides in freshly cut plant material. In the presence of cyanide, the pale green paper turns blue. Refer to your County OSU Extension Educator–Agriculture for assistance with the test. Cattle that must be grazed on sorghum pastures during this time of year should be fed another type of hay before turning in on the field, and should be watched closely for the first few hours after turn in. If signs of labored breathing, such as would be found in asphyxiation, are noted, cattle should be removed immediately. Call your local veterinarian for immediate help for those animals that are affected. Be certain to read OSU Fact Sheet PSS-2904 (Prussic Acid Poisoning) before turning cattle to potentially dangerous fields.