



Agriculture Newsletter

February / March 2020

Landscape Maintenance Schedule

February

- Base any fertilizer application on a soil test. For directions, contact your county Extension Educator.
- Fertilize ornamental, fruit, and nut trees and shrubs, annually. (HLA-6412)
- Finish pruning shade trees, summer flowering shrubs, and hedges. Spring blooming shrubs such as forsythia may be pruned immediately after flowering. (HLA-6409)
- Most bare-root trees and shrubs should be planted in February or early-March. (HLA-6414)
- Apply first pre-emergent summer annual herbicide to turf areas from February to mid-March.
- Begin the vegetable garden with cool-season crops such as potatoes, onion, and radishes. (HLA-6004)
- Dormant oil can still be applied to control mites, galls, overwintering aphids, etc. (EPP-7306)
- Spray peaches and nectarines with a fungicide for prevention of peach leaf curl before bud swell. (EPP-7319)
- A product containing glyphosate plus a broadleaf herbicide can be used on dormant bermuda in January or February when temperatures are above 50oF for

winter weed control. (HLA-6421)

- Place Nantucket pine tip moth pheromone traps by March 1.
- Pre-emergent crabgrass control chemicals can still be applied to cool and warm season turfgrasses (HLA-6421). Heed label cautions when using any weed killers near or in the root zone of desirable plantings.

March

- Prepare lawn mower; install clean filters.
- Cultivate annual flower beds to destroy winter weeds.
- Apply organic mulch to control weeds in beds. Landscape fabric barrier can reduce the amount of mulch but care should be taken to ensure proper water penetration to plants' roots.
- Remove excessive thatch from warm season lawns. Dethatching, if necessary, should precede crabgrass control treatment. (HLA-6604)
- March is the second best time of the year to seed cool-season turfgrass; however, fall is the best time to plant. (HLA-6419)
- Cool-season lawns such as bluegrass, fescue, and ryegrass may be fertilized now with the first application of the season.

Usually, four applications of fertilizer are required per year, in March, May, October, and November. (HLA-6420)

- Broadleaf weeds can easily be controlled in cool-season lawns at this time with post-emergent broadleaf herbicides. (HLA-6421)
- Begin mowing cool season grasses at 1 1/2 to 3 1/2 inches high. (HLA-6420)
- Chemical and physical control of galls (swellings) on stems and foliage of trees should begin now. (EPP-7168 & EPP-7306)
- Dormant oil can still be applied to control mites, galls, overwintering aphids, etc. (EPP-7306)
- The 1st generation of Nantucket Pine Tip Moth appears at this time. Begin pesticide applications in late-March based on pheromone catches. EPP-7306)
- Anthracnose control on sycamore, maple, and oak should begin at bud swell. (EPP-7634)
- Prune roses just before growth starts and begin a regular disease spray program as the foliage appears. Check with garden center personnel for roses that don't require chemical applications. (HLA-6403 & EPP-7607)
- Divide and replant summer and fall blooming perennials. Mow or cut back old liriopie and other ornamental grass foliage.

★ Alfalfa County Prescribed Burn Association (ACPBA) ★

February 11, 2020

**Noon - Meal Provided by
Alfalfa County Conservation District**

**Alfalfa County Fairgrounds
Cherokee, Oklahoma**



EXTENSION

The Alfalfa County Prescribed Burn Association (ACPBA) has been formed and have been active throughout this past year. The Association has received In-Kind contributions and have a trailer with support tools for conducting Prescribed Burns.

“How—When—Why to Burn”

Developing Burn Plans

John Mustain - Regional Coordinator,
Oklahoma Prescribed Burn Association

“Burns-EQUIP-Payments”

Denise Turner

Grazing Land Specialist, NRCS

“Alfalfa County Prescribed Burn Association (ACPBA) Trailer, Contents & Membership”

Chad Roach

ACPBA President



**For more information and to RSVP for
the meal provided, call
580-596-3131**

Oklahoma State University, in compliance with Title VI and VII of the Civil Rights Act of 1964, Executive Order 11246 as amended, and Title IX of the Education Amendments of 1972 (Higher Education Act), the Americans with Disabilities Act of 1990, and other federal and state laws and regulations, does not discriminate on the basis of race, color, national origin, genetic information, sex, age, sexual orientation, gender identity, religion, disability, or status as a veteran in any of its policies, practices or procedures. This provision includes, but is not limited to admissions, employment, financial aid, and educational services. The Director of Equal Opportunity, 408 Whitehurst, OSU, Stillwater, OK 74078-1035; Phone 405-744-5371; email: eeo@okstate.edu has been designated to handle inquiries regarding non-discrimination policies. Any person who believes that discriminatory practices have been engaged in based on gender may discuss his or her concerns and file informal or formal complaints of possible violations of Title IX with OSU's Title IX Coordinator 405-744-9154.

Agenda

8:00-8:45	Registration	
8:45-9:00	Welcome	
9:00-9:45	Vaccine Handling, Storage, and Basics of Administration	Dr. Rosslyn Biggs, DVM <i>Director of Continuing Education and Beef Cattle Extension Specialist, Oklahoma State University</i>
9:45-10:30	Stress and Pain Management in Calves	Dr. Bruss Horn, DVM <i>Owner Verden Veterinary Clinic</i>
10:30-10:45	PI Testing Discussion	
10:45-11:45	Break	
11:45-12:15	Importance of Calf Vaccinations: Impact of Modified Live and Killed Vaccines	Dr. John Gilliam, DVM <i>Clinical Associate Professor Veterinary Clinical Sciences Oklahoma State University</i>
12:15-1:15	Lunch	
1:15-2:15	Linking Calf Health to Feed Yard Performance	Dr. John Richeson <i>Associate Professor of Animal Science, West Texas A&M University</i>
2:15-2:30	Animal Health Begins at the Ranch	Dr. Derrell Peel <i>Extension Livestock Marketing Specialist, Oklahoma State University</i>
	Evaluation and Wrap-up	



EXTENSION

February 20, 2020	February 21, 2020
Lawton, OK	Fairview, OK
Great Plains Coliseum 920 SW Sheridan Lawton, OK 73501	Major County Fairgrounds 808 E. Highland St. Fairview, OK 73737

Please mail Registration and

Payment to:

OSU Extension
Duncan Area Office
1309 W Ash
Duncan, OK 73533

Registration

2020 Chisholm Trail Beef Improvement Conference

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email _____

of Guest _____ X \$25.00

Check Enclosed for \$ _____

Please February 20-Lawton February 21- Fairview



Beef Cow Herd Calendar

FEBRUARY

Fall Calving

1. Continue supplemental feeding program.
2. Remove bulls after a 90-day breeding season.
3. If needed, continue limited creep to calves.

Spring Calving

1. Continue supplemental feeding and increase feed amount for cows that calved early, especially first calf heifers and thin cows.
2. Thirty days before breeding, vaccinate replacement heifers with 7-way Clostridial bacterin; IBR, BVD, PI3, and BRSV modified live vaccine; and 5-way Leptospira-Campylobacter bacterin. Consult your veterinarian on vaccine types and other vaccinations recommended in the area.
3. Deworm if needed. Also, evaluate growth of yearling replacements. Will they be big enough to breed in April or May?
4. Check the cows regularly

for possible calving difficulties, and baby calves for scours or pneumonia.

5. Complete selection and culling of yearling heifers as outlined in January.
6. Prepare for herd sire selection and procurement as outlined in March and April.

General Recommendations:

1. On small grain pasture, continue to limit-graze cows for protein needs and creep-graze calves.
2. Begin anaplasmosis control program. At the time of this printing Anaplasmosis vaccine is not in production, with no definite time of restarting production. The following recommendations are made with the assumption that a vaccine will be available soon. Consider vaccinating before parasite carriers become active and while cows are open. If cows are not vaccinated and there is a potential problem, begin feeding chlortetracycline in mineral mix in late February and continue throughout the entire grow-

ing season. Vaccinate bulls for anaplasmosis, regardless of antibiotic use. If the herd is purebred and the cattle are shipped in interstate commerce, consult with your veterinarian on a control program because the vaccine will cause cows to react to the test.

3. Fertilize fescue and small grain pastures depending on moisture, soil test, and forage production needs.
4. Oats can be drilled in Bermuda sod in February or March.
5. Sprig Bermudagrass during late February and March in a clean firm seedbed.
6. Use prescribed fire to improve forage quality, reduce ticks, and control weeds and brush.

Beef Cow Herd Calendar p.2

MARCH

Fall Calving

1. Continue to creep-graze calves and limit-graze cows on wheat and other small grain pasture.
2. Continue supplemental feeding of cattle wintered on low quality forage. If grass is in short supply, feed hay or other supplemental energy.
3. Vaccinate all heifer calves between four and ten months of age for brucellosis. Calves may also be vaccinated with 7-way Clostridial bacterin, 5-way Leptospira bacterin, and an Intranasal IBR-PI3 vaccine or IBR, BVD, PI3 & BRSV vaccine that may be used around pregnant cows.

Spring Calving

1. Continue supplemental feeding. Increase protein and energy intake to offset increased nutrient requirement for lactation.
2. Semen evaluate bulls, trim feet if needed and vaccinate with Leptospira/Campylobacter bacterin. Address internal and external parasite problems.
3. Purchase new bulls. Use

EPD's along with other performance and pedigree information to make selection decisions. Check health history, including immunizations and diseases from farm of origin.

4. After calving and before breeding (30 days preferable), vaccinate cows with 5-way Leptospira/Campylobacter bacterin, IBR, BVD, PI3, and BRSV vaccine. Vaccines used should be recommended by the local veterinarian.
5. Supplement cows to maintain body condition at calving to enhance rebreeding performance.
6. Monitor development of replacement heifers. Make certain they are gaining enough to reach 65% of their expected mature weight by the beginning of the breeding season (715 pounds if mature weight is 1100).

General Recommendations:

1. Vaccinate bulls for anaplasmosis, if not previously done this year.

2. Begin grazing Bermudagrass pastures overseeded in fall with small grains. Use for lactating cows, stocker calves, or as a creep for nursing calves.
3. Sample soil from established Bermudagrass, old world bluestem, and lovegrass pastures to determine fertilizer needs.
4. Remove old growth from weeping lovegrass and old world bluestem by grazing, clipping, or burning.
5. Plant spring-seeded legumes, such as lespedeza, sweet clover, red clover, and white clover. Inoculate legume seeds before planting.
6. Use prescribed fire to improve forage quality, reduce ticks, and control weeds and brush.



Pond Management & Recreational Leasing Tour

May 14th, 2020
1:00 pm

Tour participants will meet at B & R Lunch Stop in Byron, Oklahoma to depart for Pond tours.



Multiple ponds will be visited for discussions on:

Weed ID-Control Herbicide Recommendations

- ◇ Water shed erosion
- ◇ Nutrient runoff issues
- ◇ Dams—Spillways

*Dr. Marley Beem
OCES Ponds & Aquatic Ecology*

Recreational Leasing

- ◇ Liability
- ◇ Lease agreements

*Trent Milacek
OCES Area Ag Econ Specialist*

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For More Information and to RSVP contact: Alfalfa County OCES Cherokee, Oklahoma	Tommy Puffinbarger 580-596-3131
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New Pesticide Applicator Testing Procedure

The Oklahoma Department of Agriculture, Food, and Forestry (ODAFF) has changed the way pesticide applicators test to become certified applicators. All testing will now be a proctored computer based exam that is currently only provided in Oklahoma at eight PSI Services LLC test centers. PSI has test centers located close to us are: Enid, Oklahoma City, and Woodward, PSI also has test centers in surrounding states. It is advised to check the PSI website, psiexams.com, to see which locations might be closer that offer ODAFF examinations.

All pesticide applicators (private, non-commercial, or commercial) must pass the computer exam at a PSI test center to become a certified applicator. Only certified applicators are allowed to purchase and use restricted use pesticides (herbicides, insecticides, fungicides, etc.). Historically private applicators were able to purchase take home test packets and mail in the exam, but after January 1, 2020 even private applicators will have to test at one of the PSI test centers.

All exams will require an appointment to be made via the PSI website (psiexams.com) or the reservation phone number (1-800-733-9267). Applicators must make an appointment for each exam they wish to take. For commercial applicators, a separate appointment must be made for the core exam and each specific category exam. Each exam will cost \$95 (**except Private applicators which is \$65**) and is paid when making the appointment using a valid credit card (VISA, MasterCard, American Express, or Discover). Cash or check will not be accepted.

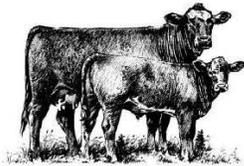
To make an appointment online, go to the psiexams.com website and first create an account. The applicator will be asked to put in their email address and other contact information. The applica-

tor's name should be spelled exactly as it is on the identification that will be used at the test center. When finding an available appointment time, select "Government/State Licensing Agencies" for the organization, next select "Oklahoma" as the jurisdiction, then "OK Pesticide" for the account. Finally select the appropriate classification for the category exam you wish to take, such as "OK Private Applicator", "OK Core", or "OK 1a Agriculture Plant". By entering your zip code, the nearest test center will appear.

Appointments cannot be made or rescheduled at the testing centers. There are no walk-ins accepted at any of the testing centers. Appointments can be rescheduled or canceled using the PSI web site or reservation phone number. Reservations must be rescheduled or canceled two days before the testing date or the applicator will forfeit their exam fees. Do not leave a voicemail when cancelling a reservation, make sure to speak to customer service at least two days before the exam date.

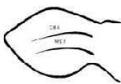
Applicators must arrive at the PSI test center at least 30 minutes before the exam reservation. These 30 minutes will allow time for sign-in, identification check, and familiarizing the applicator with the testing process. If the applicator shows up later than 30 minutes prior to the reservation, or does not show up at all, the exam fee will be forfeited.

Applicators must provide some form of government issued identification, which includes a state issued driver's license, state issued identification card, US passport, US military ID, or US alien registration card. The ID must be valid (non-expired), signature bearing, and have a photo. The exam fee will be forfeited if the applicator does not provide proper identification.



Alfalfa County Brand Book Application

The Alfalfa County Brand book will be updated every few years to help aid in identifying livestock in Alfalfa County that are out of place. There is no cost to have your brand or brands printed in the Alfalfa County brand book. The Alfalfa County Brand Book does not replace the Oklahoma Brand Book. If you would like your brand to be state registered you still need to contact the Oklahoma Cattlemen's Association. Individuals may submit brands that are or are not registered through the state. Livestock owners do not have to be Alfalfa County Residents, but this Brand Book is for Cattle/Horses that are located in Alfalfa County. If you have any questions please call the Alfalfa County Cooperative Extension office at (580) 596-3131.

<p>To have your brand published in the next Alfalfa County Brand book, please submit the following information to:</p> <p style="padding-left: 40px;">Alfalfa County Cooperative Extension Service 602 West 5th St, Ste 2 Cherokee, OK 73728-2557</p> <p>Name _____</p> <p>Address _____</p> <p>City _____ State, Zip _____</p> <p>Phone _____ Email _____</p> <p>Name of brand _____</p> <p>Location(s) of brand</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">RSh- Right Shoulder</td> <td style="width: 33%;">RR- Right Rib</td> <td style="width: 33%;">RH- Right Hip</td> </tr> <tr> <td>LSh- Left Shoulder</td> <td>LR- Left Rib</td> <td>LH- Left Hip</td> </tr> </table> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Ear notches</p> <p>Cattle</p> </div> <div style="text-align: center;">  <p>Horses</p> </div> </div> <p>Is this a State registered brand? Yes _____ No _____</p> <p>Freeze brand _____ Hot Brand _____</p>	RSh- Right Shoulder	RR- Right Rib	RH- Right Hip	LSh- Left Shoulder	LR- Left Rib	LH- Left Hip	<p>Location (s) where stock might be located. North, South, East, West parts of the county:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Drawing of the brand:</p>
RSh- Right Shoulder	RR- Right Rib	RH- Right Hip					
LSh- Left Shoulder	LR- Left Rib	LH- Left Hip					

Please return form to Alfalfa County Extension Office by February 15, 2020.

*****Return Date Extended to March 1, 2020