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Lyon County

K-State Research and Extension News

*“Knowledge
for Life”*

**June
&
July, 2015**

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2015 Emporia Garden Tour

Sponsored by
Lyon County Extension Master Gardeners

June 20, 2015
9 am to 3 pm
Rain or Shine

Five gardens will be featured on this year's tour.
Gardens include:

Marck and Tara Drennan Garden
2021 Morningside Dr.

Gary and Susan Thompson Garden
1202 Tomahawk Rd.

Cindy Pastor Garden
1721 E. Wilman Ct.

Kim and Julé Kirk Garden
212 E. 9th Ave.

Bob and Lynette Yevak Garden
1220 Santa Fe Trail Rd.

The Orchard, Owned by Bob and Elaine Karr
1128 N Hwy 99

The Orchard will conduct tours at 10 am and 1 pm that will last a half hour. Visitors may come throughout the scheduled tour time to look around on their own, purchase products and/or ask questions.

Tickets are \$5.00 per person and may be purchased at the Extension Office or by contacting any Lyon County Extension Master Gardeners.



The Clover Connection



Congratulations Seniors!



Congrats to the 16 high school seniors in the Lyon County 4-H program. We wish them all the best of luck in their futures!

They are: Sarah Moyer and Codie Orender, Cloverleaf; Coltin Arndt, Haley Wecker, Wyatt Redeker and Katelyn Schulz, Happy Harvesters; Taylor Botkin, Noah Douglas, Aubrey Jenkins, David Scheller, Logan Avenue; Christian Drake, Rinker; Jennifer Coats, Mallory Plankinton and Sarah Robinson, Riverside; Lakin Preisner and Dylan Schlote, Sunflower.

2015 Lyon County Fair Pre-entries

Fair pre-entries will again be available through an online Google form at www.lyon.ksu.edu under the 4-H Youth Development tab. There is a separate electronic form for the Anderson Building entries and livestock entries. A summary cannot be created at the time of pre-entry, but you will be able to get a summary of your fair entries following the July 1 deadline. Due to details needed for pre-entry, Rabbit, Poultry and Rodeo entries must be made by paper forms (available online) and turned in to the Extension Office by July 1. Remember, you will not have to pre-enter the tag number with the livestock that you are bringing, but you will still need to indicate the number of animals you are bringing. You will still need to distinguish between market and breeding animals. Shooting sports does not require pre-entry for the fair as the ribbon shots will have already been completed.

Keep in mind that there is no way to be inclusive when trying to highlight fair information. Read over your classes carefully when you receive your fair book. The fair book should be available online the first part of June at www.lyon.ksu.edu.

4-H Day Camp

The Lyon County 4-H Ambassadors are hosting a 4-H Day Camp on Wednesday, June 24 at the Bowyer Building from 9:00 a.m. to 5:00 p.m. All youth between the ages of 7 and 11 are encouraged to attend. Day camp will highlight 4-H projects through many fun activities. The cost for the event is \$10 per person. The fee includes lunch, supplies and snacks. Payment will be due

the day of the camp. Everyone must pre-register by June 19 by calling the Extension Office.

No Meat Goat and Sheep Vet Inspection

There will not be a meat goat and sheep inspection at the 2015 Lyon County Fair. All livestock, including sheep and meat goats, are expected to be in good health and disease free to enter the fairgrounds. If in doubt, check with your veterinarian prior to bringing your animal(s) to the fairgrounds. All animals are subject to examination by officials of the Lyon County Fair. Any animal appearing diseased, emaciated or extremely unthrifty will not be accepted.

2015 Fair Changes

The biggest change to the 2015 Lyon County Fair is the Anderson Building will be closed at 9:30 p.m. each evening and will close for the final time on Wednesday, Aug. 12 at 9:30 p.m. The projects will be released from 7:30 a.m. to 9:30 a.m. on Thursday, Aug. 13. The morning timeframe is a change from the last couple of years. The official fair dates are Aug. 6-15. The Friends of 4-H Picnic will kick off 4-H related activities on July 30.

Sunday Family Fun at the Fair

Sunday, Aug. 9 will be a fun family day at the fair. The morning will be the swine and poultry shows. The Spotlight Event including an Appetizer and Salsa competition will start at 3 p.m. and the 4-H Cloverbud Presentation is at 4 p.m. The evening activities will include the kids pedal tractor pull starting at 5 p.m. at the Show Barn Arena. There will also be a Public Livestock Judging Contest starting at 5 p.m. At 7 p.m. plans are being made to host a Pee Wee Showmanship Event where youth ages 3-7 can show a pig, sheep or goat. This will be instead of showing before each species show. The plan is to have a meal available. I hope Lyon County 4-H families will invite friends and family for a fun Sunday at the Fair.

Clean Up Your Livestock Stalls at the Fair

No matter what specie(s) a 4-Her exhibits at the Lyon County Fair, that 4-Her and his or her family is responsible for cleaning up the stall(s) after the premium sale and release time. If you do not clean up after your livestock, the fair board may withhold your premium money for your livestock.

Southeast Area Contests

June 23 – SE Area Horticulture, Crops and Photography Judging Contests

This is a great opportunity to participate in many contests hosted at the Neodesha City Hall. The day begins at 9:45 a.m. with registration for Horticulture, Crops and Photo Contests. Cost is \$4 per person, per contest. For more information visit the Extension Office.

June 25 – SE Area Livestock Contest

The area livestock judging contest will be hosted Thursday, June 25 in Yates Center. The contest consists of a skillathon, livestock judging and a meats contest. It's a great opportunity for those who are involved in livestock projects to broaden their knowledge and have fun competing with others who share this interest. Registration is \$10 per person and includes all three contests and lunch (hamburger, chips, brownie and pop or tea). The contest is scheduled to be completed by 2 p.m. Please call the Extension Office to indicate your interest.



District Horse Show

The East Central Kansas District Horse Show is scheduled for July 7 at the Douglas County Fairgrounds in Lawrence. The show begins at 9:00 a.m. and includes the counties of Anderson, Coffey, Douglas, Franklin, Johnson, Linn, Lyon, Miami and Osage. Pre-entries must be postmarked by June 15, and the entry form can be picked up at the Extension Office or downloaded online at www.lyon.ksu.edu. You must be 9 as of Jan. 1, 2015 to participate and completed level testing required in your age division.

KJLS and KSF Information

June 15 – Livestock nominations for the Kansas State Fair and Kansas Junior Livestock Show are due.

DNA and official 4-H ear tag numbers due for: Wether Dam Ewes and Commercial Ewes, Commercial Breeding Heifers, Market Lambs, Market Hogs,

Commercial Gilts, and Meat Goats. Be sure to check the requirements online at www.youthlivestock.ksu.edu under the 2015 Nomination Update. DNA envelopes and nomination forms are available at the Extension Office. **Remember, a nomination is not an entry for the show.**



The Friends of 4-H Picnic will be held at 6:30 p.m. on Thursday, July 30 in the Anderson Building. 4-H families are asked to bring: 1 vegetable/casserole dish, 1 salad, AND 1 dessert. Meat will be provided. The 4-H Council will provide tea, plates, and silverware. Please bring your food to the Anderson Building by 6:00 p.m. so serving can begin at 6:30 p.m.

Club assignments are as follows:

Picnic Set-up (Wednesday, July 29 at 6:00 p.m.): **Happy Harvesters**

Decorations: **Busy Beavers**

Arrange/Serve Food: **Chamness**

Drinks: **Cloverleaf**

Trash: **Logan Avenue**

Table/Chair Clean-up: **Model Boosters, Rinker, Reading, Riverside**

Floor Sweeping: **Sunflower**

Fair Work Assignments

The club assignments for pre- and post-fair clean-up are as follows:

-Wednesday, July 29 – 6 p.m. Diner Clean up – **Sunflower**

-Saturday, August 1 – 8 a.m. – Set up Anderson Building for judging – **Busy Beavers**

-Saturday, August 1 – 4 p.m. – Set up Anderson Building for Public Fashion Revue – **Happy Harvesters**

-Monday, August 3 – 6 p.m. – Set up Anderson Building – **Chamness and all 4-H Superintendents**

-Monday, August 3 - 6 p.m. – Pick up trash on grounds – **Cloverleaf, Model Boosters, Logan Avenue, Reading**

-Tuesday, August 11 – 12:00 p.m. (noon) - Show arena pre-sale cleanup – **Rinker** - Immediately following the sale – show arena cleanup – **Riverside**

-Thursday, August 13 – 7:30 a.m. **all 4-H superintendents** - Release exhibits and cleanup Anderson Building

-Monday, Aug. 17 - fair grounds clean up – **all clubs** - hamburger, chips and pop provided by the Fair Board.

2015 Kansas State Fair

The 2015 Kansas State Fair is September 11-20. In order to exhibit at the Kansas State Fair, 4-Hers must have turned 9 years old by Jan. 1, 2015. Livestock entries must have met nomination and entry deadlines. For all other projects, only purple ribbon winners are eligible to compete at the Kansas State Fair, with the exception of Visual Arts. Be sure to read the state fair guidelines as you may not be able to enter all items that received purple ribbons as some State Fair classes limit the number of items from each 4-Her. In the Visual Arts Division, the judges will select six exhibits for the State Fair. Even though Visual Arts exhibits are selected, they must still pre-enter. Visual Arts are for display and ribbon only, no premium money is awarded.

All State Fair pre-entries are due by 9:30 a.m. on Thursday, Aug. 13. The pre-entry forms and a copy of the State Fair book will be available at the Fair Office during the fair. Pre-entries will not be accepted at the Extension Office.

Base Price Livestock Checks

Base price livestock checks will be available on Saturday, August 29 from 9:00 a.m. – 12:00 noon or Wednesday, September 2 from 5:00 – 8:00 p.m. at the Fair Office. Checks will only be mailed if a stamped self addressed envelope is provided to the Fair Office during the fair.

Anderson Building Release Time

All exhibits in the Anderson Building will be released on Thursday, August 13 from 7:30 a.m. – 9:30 a.m. The Anderson Building will be locked at 9:30 a.m. and all exhibits remaining will be taken to the Extension Office.

4-H Council

4-H Council will meet June 1, 2015 at 7:00 p.m. This meeting will be held in the meeting room at the Extension Office. The July Council meeting will be held at the Extension Office on July 6 after fair tickets are handed out.

Lyon County Open Youth Rodeo/Horse Show

The 2015 Lyon County Open Youth Rodeo will be held on Saturday, June 27 at 2:00 p.m. Entry forms are available at the Extension Office, Jim's Cowboy Shop and online at www.lyon.ksu.edu.

The Lyon County Open Horse Show will be held on Sunday, June 28 with registration beginning at 8:00 a.m. Information is available on the website.

Fair Ticket Sales

Fair tickets will be handed out on July 6 at 6:30 p.m. in the Extension Office. Money and excess tickets will be due back in the Fair Office, Monday, Aug. 3 (schedule will be determined at the time of ticket distribution). The music concert will have its own unique ticket that 4-Hers will have available for sell in addition to the regular gate tickets for other grandstand events.

State 4-H Horticulture Judging

The State 4-H Horticulture Judging Contest is scheduled for Saturday, August 22. Once again, the contest will be held in Throckmorton Hall on the K-State Campus. Lyon County Extension Horticulturist Travis Carmichael will be working with 4-Hers interested in learning more about judging during the summer months. Be sure to call the Extension Office and let him know you are interested in participating in informational sessions. Information and study materials are available on the 4-H website at www.kansas4-h.org/p.aspx?tabid=442. On this site you will find the following:

Written Exam Materials

- Horticulture ID Scorecard (plant list for ID section)
- Plant Materials Study Guide-- This site contains photos of many of the plants on the ID list.
- Link to "Kansas Garden Guide"

Swine Classic

The 2015 Dr. Bob Hines Swine Classic is scheduled for July 10-11, 2015, at CiCo Park in Manhattan. This two-day event includes educational workshops, showmanship contest, and a prospect and market hog show. It is open to all Kansas youth ages 7 through 18 as of Jan. 1, 2015. More information can be found at <http://www.asi.k-state.edu>.

2015 LYON COUNTY FAIR 4-H SCHEDULE

THURSDAY, JULY 30

6:30 p.m. Friends of 4-H Picnic – Anderson Building

FRIDAY, JULY 31

6:00 p.m. Dog Show – Anderson Building

SATURDAY, AUGUST 1

9:00 a.m. Clothing Construction & Construction Modeling, Boys & Girls Buymanship – Anderson Building

12:30 p.m. Photography, Home Environment, Rocketry, Forestry, Entomology, Geology, Leadership, Other Projects, Electrical & Fiber Arts Judging – Anderson Building

5:00 p.m. Public Fashion Revue – Anderson Building

7:00 p.m. Shooting Sports Awards Presentation – Anderson Building

SUNDAY, AUGUST 2

8:00 a.m. Horse Show – Arena

11:00 a.m. Hand Pet/Cat Show – Anderson Building

THURSDAY, AUGUST 6

4:00-5:00 p.m. Exhibit entry time for projects not conferenced judged or previously judged

5:00 p.m. Crops judging

5:30 p.m. Visual Arts, Foods, Horticulture, Floriculture, Metals, Woodworking, Reading & Banners – Anderson Building

FRIDAY, AUGUST 7

(All animal entries in place by 6:30 p.m.)

3:00-6:30 p.m. Swine weigh-in

7:00-7:30 p.m. Sheep Weigh-in

7:30-8:30 p.m. Meat Goat Weigh-in

SATURDAY, AUGUST 8

7:00-8:00 a.m. Beef Weigh-in

8:00 a.m. Dairy Goat Show

9:30 a.m. Meat Goat Show

6:00 p.m. Sheep Show

SUNDAY, AUGUST 9

8:00 a.m. Swine Show

9:00 a.m. Poultry Show

4:00 p.m. Cloverbuds Presentation

5:00 p.m. Kid's Pedal Tractor Pull, Public Livestock Judging Contest

7:00 p.m. Pee-Wee Showmanship

MONDAY, AUGUST 10

8:00 a.m. Rabbit Show

8:30 a.m. Beef Show

6:00 p.m. Bucket Calf Show

TUESDAY, AUGUST 11

8:00 a.m. Round Robin

Following Round Robin - Animal exhibits released except those in the Livestock Sale

6:00 p.m. Premium Sale – Lyon County Fair Grounds – Show Arena

WEDNESDAY, AUGUST 12

6:00 p.m. 4-H Rodeo – Grandstands

THURSDAY, AUGUST 13

7:30-9:30 a.m. All exhibits released from the Anderson Building

9:30 a.m. State Fair entries due – Fair Office



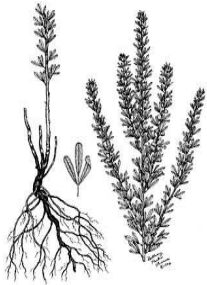
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Agriculture and Natural Resources

June-July 2015

It's that time of year once again



If you own or manage rangeland, pastures or hay meadows and don't recognize this image, we need to talk. *Sericea lespedeza* is a noxious weed in Kansas that has the potential to reduce the productivity and beauty of the tallgrass prairies of the Flint Hills of Kansas.

Sericea lespedeza is a shrubby, perennial, warm season, deciduous legume about 2 to 5 feet tall. It has a deep woody taproot that produces an extensive system of branch roots that spread laterally and downward to a depth of 3 to 4 feet, consuming considerable soil water.

It is unpalatable due to high tannin levels, highly competitive with desirable grasses and forbs, unusually invasive because it is a prolific seed producer, and hard to control. *Sericea* does well on clay and loamy soils that are deep, fertile, and well-drained, and it also thrives in tough conditions, such as acidic soils, droughty environments, and shallow soils of low fertility. It is worthy of its noxious weed status in Kansas.

Triclopyr (Remedy) and triclopyr + fluroxypyr (PastureGard) have given excellent control of *sericea lespedeza* when used in June and early July. Metsulfuron products (Ally, Cimarron Plus, Escort XP, and others) have given excellent control when applied in September. *Sericea* **HAS NOT been controlled** with 2,4-D, and only minimal kill has been achieved with a mix of either 2,4-D + picloram (Tordon 22K), or 2,4-D + dicamba. Always read and follow label instructions and cautions.

To find more details on *sericea lespedeza* identification and control, see "Sericea Lespedeza: History, Characteristics, and Identification," K-State publication MF-2408 from the Extension Office.

21st Annual Flint Hills Prairie Wildflower and Pasture Tour

June 11 is the date for the 2015 pasture and wildflower tour near the Chase and Butler County lines. The Chase and Butler County Conservation Districts and Extension personnel have coordinated this event again this year. Reservations must be made by calling either Extension Office at 316-321-9660 or 620-273-6491, as there is

limited attendance for the tour. The tour this year begins at 6:00 pm and will once again showcase the beauty of the area. Call now to reserve your space!

Spring and Early Summer Scouting

By the time this newsletter is out, we will quite probably be past the point of using fungicides on the wheat, regardless of the level of disease infestation. However, we do have opportunity to scout any of the other crops that are planted, up and growing, and have survived the onslaught of precipitation!

Most of the area corn crop has PLENTY of moisture now (some too much), and could benefit from sunshine and warmer temperatures. The cooler temps and precip have given some of the diseases a better opportunity to infect the seedling corn plants, but I have not seen anything to date that is a severe disease issue. With the growth that has taken place, we probably don't need to be terribly concerned with some of the early season insect pests but should still be on the lookout for cutworms, armyworms, grasshoppers and first generation corn borer.

We're definitely at a different stage with soybeans. Some of the beans were planted before the rainfall in mid-May, but there are many to be planted once the fields dry. With the rainfall and cool temps, we may be subject to many seed and seedling diseases. Seed rots and seedling blights, as well as *Phytophthora* and *Rhizoctonia* root rot infections could be common. In addition to cutworms, we might also be on the lookout for grasshoppers and aphids in early June.

Alfalfa weevil could be a concern again in the second cutting – we just need to be certain to time the application of any insecticide to coincide with the appropriate threshold levels of feeding. Let's not spray too early and be open to a later hatch prior to harvest.

Again, we now have plentiful moisture. With some sunshine and warmth most of our crop plants will be able to withstand some insect and disease pressure, will grow rapidly to get ahead of this pressure and still perform well.

And, for the first time in a few years, the vast majority of ponds in the area are full, creeks and springs are running, and the prairie grass is green and growing.

Tallgrass Range School August 18-20

Hosted by the Kansas Grazing Lands Coalition (KGLC) the Tallgrass Range School is set for August 18-20, 2015 at Camp Wood YMCA near Elmdale.

Registration fees have gone up this year (first time since 2010) to keep up with increasing costs, so the 2015 fee is \$350. KGLC will still offer scholarships (\$175 or 50 percent of the fee) to eligible participants including ranchers, ranch family/help and college students. Applications are due by August 7, so call me for a scholarship application. You can also contact Tim Christian at tdchristian@cox.net or visit www.kglc.org for more information.

This is a great opportunity to learn more about the prairies, plants, and ways to improve the health of the prairie as well as preserving and improving grassland productivity.

Waterlogged Soils and Nitrogen Loss

Wet soils can create some major issues for corn and sorghum producers that have applied nitrogen to their crop ground. Many producers may be wondering how much nitrogen has been lost, or how much is left.

The leaching and denitrification processes are quite different, and normally occur on different types of soils and under different situations. But both involve the loss of nitrate nitrogen. The nitrate-N present in fertilizers such as ammonium nitrate (50% nitrate) or UAN solution (25% nitrate) is immediately susceptible to leaching or denitrification loss. The residual soil nitrate-N measured by a soil test is also susceptible to leaching or denitrification loss. Other forms of nitrogen have to be converted in the soil to nitrate-N before leaching or denitrification would become a problem. This conversion is a biological process, and requires conditions appropriate for the activity of the bacteria involved.

Before estimating how much N may have been lost in wet soils from leaching or denitrification, producers should first try to get some idea of how much of the N they applied may have undergone nitrification into nitrate-N at this point in the season.

Since nitrification is a biological process, how quickly ammonium-N in soil converts to nitrate-N is a function of soil oxygen content, soil temperature, pH, how the N is applied, some characteristics of the fertilizer, and perhaps most importantly, how long the N has been in

the soil. Nitrification is an aerobic process and requires high levels of soil oxygen. Conditions that reduce oxygen supplies, such as wet soils, will inhibit nitrification and keep N in the ammonium form. Optimum soil temperatures for nitrification are in the range of 75-80 degrees. But nitrification occurs any time the soil temperature is above freezing, just at a slower rate. As a result, the timing of N application is critical for estimating the amount of N that may be present as nitrate. Winter applications of urea are much more likely to have been converted to nitrate by this time of year than a preplant application of urea made in late April. Another key factor impacting nitrification rate is how the fertilizer was applied. When urea or UAN are broadcast, nitrification will occur more rapidly than when those materials are banded. Broadcast fertilizer is in contact with more soil containing the bacteria responsible for nitrification, so the nitrification process occurs more rapidly. Banded UAN or urea reduces fertilizer-soil contact, and has fewer potential microorganisms in contact with the fertilizer, thus slowing the conversion rate.

The nitrification rate of anhydrous ammonia is even slower, due to the toxic effect of the ammonia on the organisms in the application band. It can take 2-3 weeks for nitrification to begin where ammonia has been applied. In general, the wider the fertilizer spacing and higher the rate, the slower nitrification will proceed.

Leaching involves the physical movement of nitrate-N below the root zone with water. Denitrification is the conversion of nitrate-N to gaseous N by soil microbes in anaerobic (low-oxygen, waterlogged) soils. These organisms are always present in the soil, but are capable of utilizing the oxygen from nitrate to support their respiration when free oxygen is not present in the soil. Denitrification loss is a problem normally associated with medium- to fine-textured soils under wet conditions, when the soil pores fill with water and oxygen is depleted.

While it has been a cool spring, it has been warm enough that a large part of the N applied early, especially the fall and winter-applied N, has likely been nitrified. Where recent heavy rainfall resulted in several days of saturation, some significant denitrification loss likely has or will occur. Not all of the N has been or will be lost, but producers who applied all their N in the fall or very early spring should be in position to apply additional N if needed. Recent work at K-State has shown that N applied as late as the 16-leaf stage can be used effectively by both dryland and irrigated corn. Thanks to Dave Mengel and Dorivar Ruiz Diaz for this material.

2015 Emporia Garden Tour

The Emporia Garden Tour sponsored by the Lyon County Extension Master Gardeners, is just around the corner. The Master Gardeners are pleased to showcase five gardens and one orchard on this year's tour. The tour is set for June 20th from 9:00 am to 3:00 pm rain or shine. Tour stops include:

- Marck and Tara Drennan Garden
2021 Morningside Dr.
- Gary and Susan Thompson Garden
1202 Tomahawk Rd.
- Cindy Pastor Garden
1721 E. Wilman Ct.
- Kim and Julé Kirk Garden
212 E. 9th Ave.
- Bob and Lynette Yevak Garden
1220 Santa Fe Trail Rd
- The Orchard, owned by Bob and Elaine Karr
1128 N Hwy 99

The Orchard will host two guided tours at 10:00 am and again at 2:00 pm. All visitors are welcome to walk around The Orchard when guided tours are not being conducted.

Tickets are \$5.00 and they are available at the Lyon County Extension Office or from any Lyon County Extension Master Gardener. For more information about the Emporia Garden Tour, please contact the Lyon County Extension Office.

Soil Testing

Before amending your soils or adding fertilizer, it is a good idea to have a soil test. A soil test helps us understand what the pH, phosphorus, and potassium levels already are. If these levels are within recommended ranges for your crops, then we only recommend fertilizers with nitrogen. We will also inform you to be cautious on the amount of organic matter, peat moss and some other amendment you want to add to the soil as they can affect the pH level. The only element we normally do not test for

is nitrogen. Nitrogen is easily leached out of the soil during watering or rain events. When giving soil recommendations we generally do recommend a nitrogen fertilizer.

Here are a few tips on collecting soil samples. If you follow these tips, then the results will be more representative of the overall area. When taking the samples, make sure that you are collecting soil to a depth of 8 to 12 inches. This is to give a more representative sample in the root zone. Take at least 10 samples from the area. Combine these samples in a clean bucket and mix them together. After mixing the samples together, select about a pint of soil and place it in a zip top container and bring it into the Extension Office to be sent off for testing.

If you are doing more than one area, make sure to label your samples.

When you bring the samples into the office, you fill out a form that gives some background information about the garden plot, landscape bed or lawn to help with recommendations when the results come back. Once the office receives results, you will then receive the results with recommendations for your area.

Keep Mower Blades Sharp

With mowing season starting, we need to remember to keep the blades sharp on our lawn mowers. Dull blades will cause a whitish cast on our lawns. A dull blade does not cleanly cut the blade of grass, instead it shreds the end of the leaf blade. The whitish cast starts to appear as the shredded ends of the grass blade starts to dry out. A sharp mower blade is more important as the turf starts putting up the seed heads. Seed head stems are much tougher than the grass blades and more likely to shred. Under normal use, lawn mower blades should be sharpened every 10 hours of use.

Master Gardener Applications Available

Do you enjoy gardening? Do you want to learn more about plants and how they grow? If you answered yes to these two questions, than being a Master Gardener is for you. The Lyon County Extension Office will be accepting applications for individuals interested in becoming a Lyon County Extension Master Gardener from June 1st to July 31st. After the applications are received a letter will be sent out to whoever applies to attend a pre-orientation session and interview. After that time, individuals will be selected to go through the training process to become a Lyon County Master Gardener.

After being accepted into the Master Gardener program, all new trainees will attend roughly 40 hours of training. The training will take place one day a week for 12 to 14 weeks in the fall. These classes will be held mainly in Newton, but will rotate between Emporia, Hutchinson and El Dorado. There will be a Lyon County van traveling there and back on training days. After the Master Gardener in training complete the 40 hours of training, they are given one year to complete 40 volunteer hours. After the one year is up and the Master Gardener in Training has completed the 40 hours, they become a Master Gardener and now only have to complete 15 volunteer hours plus 5 hours of continuing education to remain an active member.

Lyon County Master Gardeners complete their volunteer hours by working in 5 different demonstration beds throughout Emporia, helping at Sick Plant Clinics, 4-H/Youth events, helping in area schools promoting horticultural practices, having informational booths at Spring Expo and Sustainability Fair, educating school age children at Zoo Edventure and the Emporia Garden tour.

If you are interested in becoming a Lyon County Master Gardener, stop by the Extension Office to pick up an application or visit our website lyon.ksu.edu under the lawn and garden tab to download an application. Applications are due July 31, 2015 at 5:00pm at the Lyon County Extension Office. If you have any questions, please contact me at the Extension Office.

Perpetual Garden Calendar Fundraiser

The Lyon County Extension Master Gardeners has a new fundraiser. Over the past several months a committee has been working together to create a perpetual garden calendar. Instead of being dated for each individual year, this calendar features just the weeks of a year and can be reused year after year.

Information covered in the garden calendar includes: planting tips and times for vegetable crops, seeding grass, and pruning times just to name a few. Garden calendars will be available for purchase at the Lyon County Extension Office during normal business hours starting on June 22, 2015. The cost for the garden calendar is \$10.00. All proceeds from this fundraiser will go towards the educational programs put on by the Lyon County Extension Master Gardeners. If you have any questions about the garden calendar contact the Lyon County Extension Office.

Flood Damage

Waterlogged soils push out oxygen that roots need to survive. Every living cell in a plant must have oxygen or it dies. Some plants have mechanisms to provide oxygen to the roots even under saturated conditions but most of our vegetables and flowers do not. The longer these plants are subjected to saturated soils, the more likely damage will occur. Usually, as long as water drains away within 24 hours, the impact on plant health is minimal. However, shallow, stagnant water under hot, sunny conditions can literally cook plants, reducing survival time to as little as a few hours. After flooding, soils often become compacted and crusted after a heavy rainfall. This also can restrict oxygen to the roots. Lightly scraping the soil to break this crust will help maintain a healthy root system and therefore, a healthy plant. Be careful not to cultivate too deeply as shallow roots may be damaged. If you think the excessively wet weather will continue, bedding up the rows before planting even just a couple of inches, will improve drainage and allow for better aeration.



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Family & Consumer Sciences



Thank You!

Thank you to all of those that helped with Walk Kansas Kick-off and Fat Bucks Buffet. I know that if I started to list everyone who helped me with Walk Kansas I would forget a name. So, I do thank all of you who helped with Walk Kansas, team captains, participants and volunteers. Thank you to those who helped prepare food and set up table and chairs. Thank you to the people that came and walked with me on Tuesday and took pictures of the events. A Big Thank you goes to Subway for being our corporate partner for Walk Kansas. Without the help and support of all of you this event wouldn't continue to grow. Mark your calendar now for next year March 20th - May 14th, 2016 tentatively scheduled.

Unit Tour

Rescheduled

*** Note New Date*****

Tuesday June 30th

8:00 a.m. to Approx. 5:00 p.m.

Currently there on only 5 people signed up we must have at least 7 to go!!!

We will visit Manhattan. Our first stop of the day will be the K-State Gardens. The end of June we should see Roses, Crape Myrtle, Columbine, yarrow, Kniphopia, daylilies, panicle hydrangeas, big leaf hydrangeas, caryopteris, abelia, buddleia. The Insect Zoo will be our next stop while in the gardens.

Lunch: Either Bourbon and Bakery, Little Apple Brewery, Wildcat Spirit many more to choose from.

The Manhattan Discovery Center. The rotating display is In the Dark. **Call Hall Ice Cream** and trip home.

Cost per person \$25.00 and lunch will be on your own. We must have a minimum of 7 sign up to make the trip happen. RSVP by June 5th.

Practice Food Safety this summer! If in doubt throw it out. Don't leave food out for more than 1 hour when temperatures are over 85 degrees outside.

National Festival of Breads

June 13th

**Manhattan Hilton Garden Inn and
Conference Center, 410 South 3rd St.
Manhattan, KS**

MANHATTAN, Kan. – After months of analyzing recipes, mixing, kneading, baking and tasting, a panel of judges has selected the recipes that will be represented in the fourth National Festival of Breads, sponsored by King Arthur Flour®, Red Star Yeast® and Kansas Wheat. The baking competition will be held June 13, in Manhattan, Kansas. There will be bread baking workshops, door prizes, bread sampling, BBQ workshops with Rod Gray of Pellet Envy, The King Arthur Flour Baking Trailer, and watch the 8 finalist bake off to find the best bread in America.



Community Service Project at 2015 Lyon County Fair

Lap quilts will be the service project for community organizations. The last few years we have done pillow cases and totes; so this is a new project for community service. Lap quilts should measure 42 inches on the diagonal. Lap quilts don't need to be quilted. Blankets and or quilts can be tied, quilted or can be just a plain blanket. We will be giving them to nursing homes and law enforcement this year. If you have more questions give me a call at the Extension Office. We will enter them on Saturday morning of Open Class judging. You may drop them off at the office any time. We will find a way to display them at the fair. I am not sure the ceiling will still be an option.

Fair Volunteers Needed:

We have had several volunteers retire over the last few years. We are in need of some generals and superintendents.

Anderson Building Open Class and 4-H Superintendents meeting will be held on Tuesday, July 28th at 5:15 p.m. Plan on meeting at the Anderson Building.



**Food Preservation
Workshop
Register Now!!
July 15th, 2015
9a.m. – 4 p.m.**

Learn the proper food preservation techniques for pressure and water bath canning, and drying. We will be making salsa, jelly, and pressure canning vegetables the day of class. This is a hands on workshop. **This class will be taught by Karen Blakeslee, Food Scientist from KSU.** This class has a fee of \$25.00. Reservations required, minimum of 10 people, maximum of 20, RSVP due by July 7th to K-State Research and Extension Lyon County Office at 341-3220. Class must be paid for when reservation is made. Class will be held at the Flint Hills Technical College 3301 W. 18th Ave. in Emporia. Lunch will be provided.

**2015 Lyon County Fair
Open Class Spotlight Event of the Year
This event is Sunday Afternoon
“Salsa and Appetizers”
Sunday August 9th, 2015 3:00p.m.
Anderson Building**

A typed recipe, with entrant’s name and address, **must accompany entry and may be published.** Entries must come in an insulated container, if necessary. Entries will be judged by a distinguished community person or persons.

**Classes are Salsa: Fruit, Tomato-based, Extra Spicy.
Appetizers: Meat, Veggie, and Fruit**
Prizes are available for 1st and 2nd place in all Six Categories.

**See you at the fair August 6th to the 15th.
Anderson Building will be open August 8th after
5 p.m. to August 12th at 9:30 p.m. Each unit
member needs to have an entry so their unit gets
100 % participation.**

*Anderson Building Entries will be released on
Thursday morning August 13th from 7:30 to 9:30
a.m. Superintendents can get in building at 7:00
a.m.*

Your Chance to Serve!!

If you are interested in serving or becoming more involved, please consider serving on the Extension Council. The Council is made of 24 members, six serving on one of four Program Development Committees (PDC): Agriculture, Family and Consumer Sciences, 4-H Youth Development and Community Development. The Program Development Committees provide guidance for Extension programming for the county. **Please contact us by Tuesday, September 1st, 2015 to let us know of your interests on being placed on the ballot.**

Colored Canning Jars at the Fair

These are the recommendations put out from Karen Blakeslee at KSU. Don’t use the colored canning jars for exhibits at the fair. The explanation follows.

As most of you know, the Ball Canning jars are now available in blue and green colors to celebrate the 100th anniversary of these jars. While these are fun for people to use, I do not encourage them to be used for fair entries at the county/district fairs and at the State Fair.

I know some of you offer the Ball Fresh Preserving Awards at your fairs. They have the option of using these colored jars. The problem with using these for the fair is that we judge food preservation visually without opening the jars. This is for food safety reasons and in the event the jar is the only jar the person has, it cannot go past the county/district level if it is opened. I have contacted Jarden Home Brands about this so they are aware of the issue.

Please pass along to anyone, 4-H or Open Class entrants and those who help with food preservation, that they should only use CLEAR canning jars for the fair. They can save those pretty blue and green jars for home use.

Also, just FYI, there are blue and green lids/rings available to match those blue and green jars. I do not have a problem with those at the fair if people choose to use those.

**Attention Unit Members
Fall Organizational Meeting
President’s Council Meeting**

**Friday September 5th, 2014
12:00 p.m. – 1:00 p.m.
Extension Office Meeting Room**

Return Service Requested

Check out our website at
www.lyon.ksu.edu

June

- 01 Master Gardener Meeting, noon, EMR
- 01 Ambassadors Meeting, 6 pm, EMR
- 01 4-H Council Meeting, 7 pm, EMR
- 11 Flint Hills Prairie Wildflower & Pasture Tour
- 13 National Festival of Breads, Manhattan
- 14 Camp Counselors to 4-H Camp
- 15-18 Sunny Hills 4-H Camp, Rock Springs
- 15 KSF & KJLS livestock nominations due
- 16 Cloverbuds, 6 pm, EMR
- 18 Hop To It Rabbit Club Meeting, 7 pm, EMR
- 20 Emporia Garden Tour, 9 am – 3 pm
- 21 Poultry Club Meeting, 1 pm, EMR
- 23 SE Area Horticulture, Crops, Photography & Favorite Foods Contests, Neodesha City Hall
- 24 4-H Day Camp
- 25 SE Area Livestock and Meats Judging Contests, Yates Center
- 27 Open Youth Rodeo, 2 pm, Fairgrounds
- 28 Open Horse Show, 9 am, Fairgrounds
- 30 Unit Tour, 8 am, Manhattan

AB = Anderson Building
BCB = Bowyer Community Building
EMR = Extension Meeting Room

July

- 01 Lyon Co. Fair Pre-Entries Due
- 03 Independence Day – Extension Office Closed
- 06 Master Gardener Meeting, 5:15 pm, Emporia Presb. Church, West Campus
- 06 Ambassadors Meeting, 6 pm, EMR
- 06 Fairboard pass out fair tickets to clubs, 6:30 pm, EMR
- 06 4-H Council Meeting, 7 pm, EMR
- 15 Food Preservation Workshop, 9 am, Flint Hills Tech. College
- 16 Hop To It Rabbit Club Meeting, 7 pm, EMR
- 19 Poultry Club Meeting, 1 pm, EMR
- 21 Cloverbuds, 6 pm, EMR
- 28 4-H & Open Class Superintendents Meeting, 5:15 pm, AB
- 30 Friends of 4-H Picnic, 6:30 pm, AB
- 31 Dog Show, 6 pm, AB

AUGUST 6 – 15 LYON COUNTY FAIR – SEE INSERT FOR 4-H SHOW DATES AND TIMES!