Central Kansas District Office will be closed for the holidays from December 24th through January 1st. We hope you all have a safe and healthy holiday. See you in 2022!

**Extension Office Closed for Holiday**

Junior Producer Days

These educational events are open to any youths, parents, swine project leaders or adults who wishes to increase their knowledge of animal production and management practices. Sessions include selection, nutrition, meat science, repro, fitting and grooming, daily care, and showmanship, plus a few that are specific to a particular specie. For more information, contact Lexie Hayes at adhayes@ksu.edu.

**Register Online** by January 14th at http://bit.ly/KSUSoybean

Beloit January 25, 2022 8AM to 1 PM

Newton February 1, 2022 8AM to 1PM

**Junior Producer Days**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>December 24-31</td>
<td>Offices closed</td>
</tr>
<tr>
<td>January 11, 12, 19, 26, 24, 25</td>
<td>KSU Soil Fertility Management Mtg., Ellsworth</td>
</tr>
<tr>
<td></td>
<td>Risk Management Skills for Kansas Women in Ag, Salina</td>
</tr>
<tr>
<td>January 14</td>
<td>Kansas Corn School, Salina</td>
</tr>
<tr>
<td>January 24</td>
<td>“Winning the Game” Soybean Marketing Workshop, Solomon</td>
</tr>
<tr>
<td>January 25</td>
<td>Soybean School, Beloit</td>
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<tr>
<td>February 1</td>
<td>Soybean School, Newton</td>
</tr>
<tr>
<td>February 2, 23</td>
<td>Rick Management Skills for Kansas Women in Ag, Salina</td>
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</table>
2021 Sorghum Plot  Lindsey, Ks  Planted June 15, 2021  Harvested October 21, 2021
49,000 Population  7 Gallon 10-34-0 and 90# N  Lexar Pre Herbicide

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<tr>
<th></th>
<th>Brand</th>
<th>Variety</th>
<th>Moisture</th>
<th>Weight</th>
<th>adj Yield</th>
<th>YLD % of Average</th>
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<tr>
<td>1</td>
<td>Pioneer</td>
<td>85P75</td>
<td>15.3</td>
<td>55.1</td>
<td>99.1</td>
<td>102.4%</td>
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<tr>
<td>2</td>
<td>Pioneer</td>
<td>85P44</td>
<td>14.3</td>
<td>58.8</td>
<td>101.9</td>
<td>105.2%</td>
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<tr>
<td>3</td>
<td>Channel</td>
<td>7B20</td>
<td>15.4</td>
<td>52.2</td>
<td>94.3</td>
<td>97.4%</td>
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<tr>
<td>4</td>
<td>Golden Acres</td>
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<td>14.2</td>
<td>59</td>
<td>92.9</td>
<td>96.0%</td>
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<tr>
<td>5</td>
<td>Dekalb</td>
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<td>14.7</td>
<td>53.7</td>
<td>89.3</td>
<td>92.2%</td>
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<tr>
<td>6</td>
<td>Pioneer</td>
<td>85Y88</td>
<td>14.8</td>
<td>59.3</td>
<td>98.8</td>
<td>102.1%</td>
</tr>
<tr>
<td>7</td>
<td>Channel</td>
<td>6B95</td>
<td>15.8</td>
<td>55.6</td>
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<tr>
<td>8</td>
<td>Phillips</td>
<td>637</td>
<td>14.8</td>
<td>56.7</td>
<td>85.1</td>
<td>87.9%</td>
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<tr>
<td>9</td>
<td>Dekalb</td>
<td>38-16</td>
<td>14.6</td>
<td>57.9</td>
<td>104.8</td>
<td>108.3%</td>
</tr>
<tr>
<td></td>
<td>Average</td>
<td></td>
<td></td>
<td></td>
<td>96.8</td>
<td></td>
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</tbody>
</table>

Registration Open for 2022 Kansas Corn Schools

Excited to return with in-person sessions this year, Kansas Corn once again joins K-State Research and Extension to host the popular Kansas Corn Management School series in January and February 2020. These winter learning sessions are designed specifically for Kansas corn farmers and will feature a variety of topics presented by specialists. Participants will have the opportunity to hear the latest research and production information, get updates on corn issues and network over lunch. The corn schools are free for farmers to attend. Kansas Corn with K-State Research and Extension staff are working to ensure CCA and Commercial Pesticide Applicator credits are available.

Register online at: kscorn.com

When: Friday, Jan. 14
Where: Hilton Garden Inn, 3320 S 9th St, Salina

Details: Registration begins at 8:30 a.m. The program begins at 9 a.m. and wraps up around 1 p.m. Morning refreshments and lunch are provided.
Creating a plan for healthy weaned calves

by A.J. Tarpoff, DVM, MS, Beef Extension Veterinarian

Weaning is a necessary management strategy to transition our calves from the cow herd to the next stage of production. This transition can be stressful for young calves and ranchers. Preparing not only the cattle, but also the operation for weaning can greatly reduce the strain that can occur especially if the calves are going to be weaned and maintained on the operation. Weaning should be a planned strategy of the yearly herd cycle, rather than a spur of the moment event. The goals are to prepare the calf to minimize health issues such as BRD (Bovine Respiratory Disease) after weaning, as well as prepare them for a new environment without their mother.

Health Planning:
Understanding the calf’s immune function during this time is important. A calf’s immune system takes several months to provide complete protection. The intake of colostrum shortly after birth provides passive immunity and antibodies that provide the immune protection early in life. Until 2 to 4 months of age, maternal antibodies from colostrum are the key players in the calf’s immune protection. These maternal antibodies play a role in how the young calves will respond to immune challenges such as vaccines. When these maternal antibodies start to decrease, it is a prime time to initiate a vaccine protocol to help boost the active immune protection of the calf. This period often coincides with typical branding times.

Working with a local veterinarian can help make product selection during different periods of a calf’s live simple. While every calf may not fully respond to vaccines at branding, vaccination primes the immune system memory for a booster later in life. Vaccines to consider for branding-aged calves would be a multi-strained respiratory viral vaccine (IBR, BVD 1&2, BRSV, PI3), and a multi-strained clostridial (7-way or more). Once the calf is closer to weaning, planning a booster vaccination will help bolster the calf’s immune function prior to the stressors of weaning. The vaccine booster targets the same pathogens as the initial branding vaccination with the addition of respiratory bacterin vaccines against the bacteria that cause pneumonia and should be administered 3-4 weeks prior to weaning. Animal health procedures conducted prior to weaning will help ensure calf health through the transition of weaning. The booster vaccinations could be held until the day of weaning, but that offers yet another challenge that the calf must overcome post weaning. The aim is to have two rounds of vaccination prior to or at weaning.

Multiple stressors compounded on each other, and decreased health go hand in hand. Painful procedures such as castration, dehorning, and branding should be conducted well before the day of weaning, preferably in the first few months of life. Due to other constraints on an operation, it may not always be feasible. If initial vaccination and management procedures such as castration were not conducted early in life, they should be conducted 3-4 weeks prior to weaning. This will help spread the stressors out over time to limit the strain on the calf’s immune system.

During this period of time, control of other stressors such as external parasites and internal parasites can be initiated. External parasites of
concern are mostly flies during the late summer months. Internal parasite control should target gastrointestinal nematodes (worms) as well as coccidiosis during this stressful time. Management Preparations:

- Consult with your local veterinarian to establish a treatment protocol to use if calves get sick. Do not wait until the last minute to have this discussion. Antibiotic product choice, and timeframes can all be discussed to be fully prepared for any anticipated health insults.
- Facilities are imperative if calves are to be weaned and maintained on the ranch. Fences, handling and feeding areas should all be inspected, and any routine maintenance be conducted prior to weaning.
- Developing a plan to control inclement environmental concerns such as heat (or cold), mud (or dust) can be very helpful in ensuring overall health, performance, and welfare of these calves. Pen preparation, manure hauling, sunshade, wind-fences, and checking the water source are all potential control areas.
- Consider a soft weaning strategy to minimize stress. Fence-line or 2 stage weaning might be an option. Acclimation of calves to their new environment and feed can also be a way to minimize the stress. This would entail bringing cow/calf pairs into the weaning environment for several days then removing all the cows. This gives the opportunity for calves to clearly identify their new surroundings.

Nutrition is key during weaning, whether onto pasture or into a drylot. Feedstuffs inventory, feeding equipment maintenance, and a nutritional consultation should all be conducted prior to weaning to ensure reliable feed delivery, intake, and performance.

Budgeting for the 2022 Season

After a little searching into the cost of agriculture inputs, it was easy to find that 2022 will be different from the previous year. Herbicides are up approximately 5 to 25%. The availability is still questionable and does not look to change in the near future. Fertilizer inputs are staggering, with current prices soaring to 2 to 3 times that of the previous year. The list of inputs goes on with equipment, insurance, repair, labor, seed, fuel, etc. These are realities of today, and it is a bit scary though that is not my intention, instead to point out now is an excellent time to understand costs.

Developing budgets is essential to making informed management decisions. To understand how much income it takes to generate a profit, you need to know how much money you have invested. That figure will vary from season to season and crop to crop. This year is even more variable due to wide-ranging input costs highly dependent on when purchases were made.

If you would like some help creating crop and livestock budgets, KSU ag economics website agmanager.info has budget templates that outline input items you would need to collect. They have also created a budget generator program and a series of videos on how to use that program. This topic will also be covered in the Winning the Game Marketing Meeting and the Risk Management Skills for Women in Agriculture meetings next month.
Risk Management Skills for Kansas Women in Agriculture

A statewide program to teach skills of determining cost of production, utilizing crop insurance, crop marketing plans, and government farm programs.

K-State Salina Campus
College Center Conference Room
2310 Centennial Rd
Salina, KS

Program Schedule

All Sessions begin with dinner at 5:30 pm and conclude by 8:30 pm.

January 12th, 2022:  
Enterprise Budgeting

January 19th, 2022:  
Crop Insurance Stress and Resiliency

January 26th, 2022:  
Crop Marketing Family Communication

February 2nd, 2022:  
Farm Bill Programs

Optional Session #5  
Beef Cow/Calf Risk Management

February 23rd, 2022:  
Enterprise Budgeting  
Cattle Marketing Insurance Options

Program Description:

This workshop series will teach principles of determining cost of production, developing a marketing plan, purchasing crop insurance, and participating in farm programs (ARC/PLC). Participants will work with a case farm to apply these topics to a real-world farming operation. An optional 5th session will cover similar risk management principles for beef cow/calf operations.

The program will be a combination of broadcasted keynote speakers, local speakers, and facilitators to assist in completing the hands-on activities. The goal is for participants to acquire risk management skills they can apply directly to their farming or ranching operations.

Registration Information:

$50 registration fee will cover all meals and program materials if registered before Dec. 31st  
($75 late registration fee)  
Add $10.00 registration fee for optional 5th session

Register for the series by visiting: www.AgManager.info under “Events” or contact the CKD-Salina Office at 785-309-5850.
K-State Research and Extension Presents:

“Winning the Game”
Soybean Marketing Workshop

January 24th, 2022 10:30 am – 3:30 pm
Solomon City Hall Meeting Room 116 West Main Street, Solomon, Ks
Parking and Entry at the back of the Building.
Workshop limited to 25. Fee: $15/person, lunch included

To register: call Central Kansas Extension District, Salina office 785-309-5850
or Chisholm Trail Extension District, Abilene office 785-263-2001
e-mail jwisbey@ksu.edu or hayleyw8@ksu.edu

Focus of the workshop: Developing Pre-Harvest Marketing Strategies for the 2022 Kansas Soybean Crop

*Using cost of production for price strategy targets
*Seasonal price trend-based pre-harvest strategies
*Using seasonal flexibility in 2022 Soybean Marketing Plans
*Pre-harvest Marketing Tools (forward contracts, basis contracts, hedging)

Speakers:
Mark Nelson, Director of Commodities, Kansas Farm Bureau
Mark is responsible for conducting commodity sector analysis including grain markets, coordinating the activities of eight agricultural advisory committees, and serving as a member of KFB’s Public Policy Team.

Daniel O’Brien, Extension Agricultural Economist, K-State
Daniel focuses on grain market supply-demand analysis and price-income risk management strategies. He also has interests in bioenergy market profitability and market trends, grain market efficiency / behavioral finance, and crop production cost economics.

Thank You to our sponsors:

Kansas State University is committed to making its services, activities and programs accessible to all participants. If you have special requirements due to a physical, vision, or hearing disability, contact Jay Wisbey at 785-309-5890.
Kansas State University Agricultural Experiment Station and Cooperative Extension Service.
K-State Research and Extension is an equal opportunity provider and employer.
Uncertain times????
Are you wondering how to get the most from your fertilizer $$$$ ?

KSU Soil Fertility Management Meeting
January 11th 2022

Ellsworth KS
9:00 a.m. to Noon
National Guard Armory
220 West Douglas Avenue
Lunch will be provided at the conclusion of the meeting

Sponsors

Ellsworth Coop
Respect & Reliability Since 1914

Central Prairie Co-op

learn about optimizing your fertilizer applications especially with the high cost and limited availability!
Topics will include Storage methods; Maximum rate of return for N; “Growing N” with cover crops; Application timing and methods along with KSU Research updates.

NO COST to attend, but registration is requested by January 6 for lunch count
ONLINE at:
bit.ly/2022KSUFertilityMeetings

Have additional questions contact the Midway Extension Office. 785-472-4442
Or email cadinkel@ksu.edu

Kansas State University is committed to making its services, activities and programs accessible to all participants. If you have special requirements due to a physical, visual, or hearing disability, contact Craig Dinkelspiel, Midway District Co-op production agent, 785-472-4442.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service
K-State Research and Extension is an equal opportunity provider and employer.
The enclosed material is for your information. If we can be of further assistance, feel free to call or drop by the Extension Office.

Sincerely,

Jay Wisbey
District Extension Agent
Crop Production
jwisbey@ksu.edu
Salina Office
K-State Polytechnic
2218 Scanlan Ave.
Salina, KS 67401-8196
785-309-5850
Fax: 785-309-5851

Justine Henderson
District Extension Agent
Livestock Production
jwho4@ksu.edu
Minneapolis Office
307 N. Concord, Suite 190
Minneapolis, KS 67467
785-392-2147
Fax: 785-392-3605