

# Agriculture

## CENTRAL KANSAS EXTENSION DISTRICT NEWS

[centralkansas.ksu.edu](http://centralkansas.ksu.edu)

**December 2021**

### Upcoming Events

#### December

24 **Offices closed**

31

#### January 2022

- 11 KSU Soil Fertility Management Mtg., Ellsworth
- 12, 19, 26 Risk Management Skills for Kansas Women in Ag, Salina
- 14 Kansas Corn School, Salina
- 24 "Winning the Game" Soybean Marketing Workshop, Solomon
- 25 Soybean School, Beloit

#### February

- 1 Soybean School, Newton
- 2, 23 Risk Management Skills for Kansas Women in Ag, Salina

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[ksre.k-state.edu](http://ksre.k-state.edu)



### Extension Office Closed for Holiday

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!

### 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](mailto:adhayes@ksu.edu).



## 2022 SOYBEAN SCHOOLS

**KANSAS STATE**  
UNIVERSITY

Department of Agronomy



**K-STATE**  
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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

**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**

				Test	Moisture	YLD % of
	Brand	Variety	Moisture	Weight	adj Yield	Average
1	Pioneer	85P75	15.3	55.1	99.1	102.4%
2	Pioneer	85P44	14.3	58.8	101.9	105.2%
3	Channel	7B20	15.4	52.2	94.3	97.4%
4	Golden Acres	2840	14.2	59	92.9	96.0%
5	Dekalb	36-07	14.7	53.7	89.3	92.2%
6	Pioneer	85Y88	14.8	59.3	98.8	102.1%
7	Channel	6B95	15.8	55.6	104.8	108.2%
8	Phillips	637	14.8	56.7	85.1	87.9%
9	Dekalb	38-16	14.6	57.9	104.8	108.3%
				Average	96.8	

## **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](https://kscorn.com)**

**When: Friday, Jan. 14**

**Where: Hilton Garden Inn, 3320 S 9<sup>th</sup> 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 life 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.

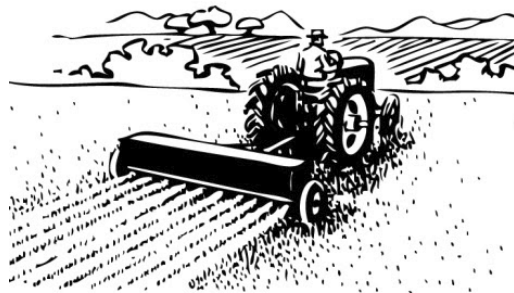
Nutrition is key during weaning, whether on-to pasture or into a drylot. Feedstuff inventory, feeding equipment maintenance, and a nutritional consultation should all be conducted prior to weaning to ensure reliable feed delivery, intake, and performance.

## 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](http://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**

**KANSAS STATE UNIVERSITY** Agricultural Economics

**K-STATE**  
Research and Extension

## 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](http://www.AgManager.info) under "Events"  
or contact the CKD-Salina Office at  
785-309-5850.

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**NORTH CENTRAL  
EXTENSION  
RISK  
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United States Department of Agriculture  
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K-State Research and Extension Presents:  
**“Winning the Game”**  
Soybean Marketing Workshop

**January 24<sup>th</sup>, 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](mailto:jwisbey@ksu.edu) or [hayleyw8@ksu.edu](mailto: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:



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**Uncertain** times????  
**Are you wondering how  
to get the most from  
your fertilizer \$\$\$\$ ?**

## **KSU Soil Fertility Management Meeting January 11<sup>th</sup> 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**



**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](https://bit.ly/2022KSUFertilityMeetings)

Have additional questions contact the  
Midway Extension Office. 785-472-4442  
Or email [cadinkel@ksu.edu](mailto:cadinkel@ksu.edu)



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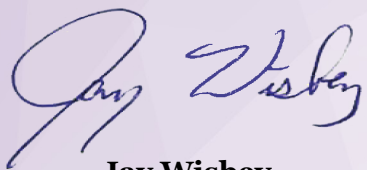
**Central Kansas Extension District  
Minneapolis Office**

307 N. Concord, Suite 190  
Minneapolis, KS 67467-2129

Address Service Requested

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,



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