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## Panelists describe keys to high-yielding wheat at Wheat U

By Donna Sullivan,  
Editor

A panel of high-yielding wheat farmers was assembled during the Wheat U event hosted by *High Plains Journal* in early August. Darwin Ediger, Rick Horton, Raymond Parrish and Levi Felbush shared insights into their operations with the producers in attendance.

"Nitrogen is my mantra," said Ediger, who farms 6500 acres along with his son Tyler. They converted to no-till in 2000. Ediger was the high wheat yield winner for western Kansas in 2015 and received third place in 2016.

"If you're going to raise that kind of wheat, you have to fertilize for it," Horton agreed. "Become a student of wheat – fungicides, seed treatment, variety selection, fertilizer." His dedication has paid off, as he won the 2016 National Wheat Yield contest with a yield of 127.94 bushels per acre, which is 373.85% above the Wichita County average.



A panel made up of, from left, Levi Felbush, Raymond Parrish, Rick Horton and Darwin Ediger discussed techniques for achieving high wheat yields at Wheat U, held recently in Wichita.

Parrish serves as the president of the Oklahoma Wheat Grower's Association and has a no-till, non-irrigated farm in north Central Oklahoma near Hunter. He advocates seed selection, with an emphasis on yield and quality for the end

users, along with what is best adapted to his area.

Felbush, who has seen yields in the high 90s, shared that their top-yielding fields were the ones they burned right ahead of the drill and added that when selecting varieties, he looks for yield

and protein. He farms with his father Monte in Dickinson County, with about half of their 2200 acres planted to wheat. Along with his father-in-law Butch Harris, Felbush won the 2014 Kansas Wheat Yield contest with a 61-bushel per acre yield.

As far as achieving and capitalizing on quality, Ediger pointed out they raise what they get paid for. "This year we got paid for protein," he said, adding that an important part of marketing is finding a source that will pay for a given trait.

"Grain storage is how you market for quality," Horton agreed. "If people don't have to pay you for your quality, they aren't going to. You will have to market it yourself."

"If you have high-protein wheat and on-farm storage, you can sell it to a mill and ask for the higher price," Felbush stated.

When it comes to crop protection, Ediger said their slogan is "Spray early, spray heavy and spray often."

Horton encourages a residual program to counteract resistant weeds, and stressed the importance of understanding the chemistries to be able to shop the generics. "Don't let anything go to seed," he said, adding

that "seed treatment is the cheapest insurance you'll ever have and a common farming practice now."

Horton said he gets all fields as clean as possible before planting, then sprays afterwards. He also treats all his seeds.

With wheat prices down, the growers conceded they would plant fewer acres of the crop, but it would still have a place on their farms. Felbush said they have decreased their wheat acreage somewhat, but also see profitability in the wheat stubble, as well as the ground cover it provides.

Ediger described three types of wheat growers: those that strive for the maximum yields, high yield growers that only do about half of what is necessary, and the 'plant it and forget it' types, whose cost of production might be lower. "Know your cost of production," he said. "And if you're going to go for it, you've got to really go for it."

## 30-year study indicates Kansas sorghum needs to tap genetic diversity for future heat stress

Kansas State University scientists have studied 30 years of sorghum production in Kansas and have concluded that the crop needs to exploit greater genetic diversity to handle heat stress should average temperatures rise in the future.

"In terms of leveraging sorghum's genetic ability to adapt to hotter conditions, we have not invested enough in the breeding pipeline," said Krishna Jagadish, an associate professor of agronomy and one of the study's co-authors.

Their work, which is being published in the *Proceedings of the National Academy of Sciences* (PNAS), signals a critical need for the public and private research communities to capitalize on sorghum's genetic diversity to develop the type of commer-



Researchers pictured from left are Jesse Tack, Jane Lingenfelter, Krishna Jagadish.

cial hybrids needed to handle future temperature increases.

"Despite the appreciation for sorghum's water-sipping attributes, there does not seem to be an effort to couple that with needed heat resilience," said Kansas State University agricultural economist Jesse Tack, who helped analyze sorghum yield data from 408 commercial hybrids grown in 11 Kansas locations between 1985 and 2014.

"Farming systems need tools to combat extreme weather exposure. Adding additional heat resilience to drought-hardy sorghum could be the right tool."

The researchers' work provides a historical representation of the genetic material that is in grain sorghum production in Kansas. They note that a major finding is that sorghum yields declined with temperatures higher than 33 degrees Celsius (approximately 91 degrees Fahrenheit), and that climatic change will likely produce an

average yield loss of 10 percent for each degree Celsius of warming.

U.S. scientists studying climate change have predicted that much of planet Earth will experience a minimum two degrees increase in temperatures over the next few decades.

"In our current pipeline, we lack hybrids that can tolerate additional heat stress, which is why we think there is not enough genetic diversity in this pool," Jagadish said.

But Tack said there is plenty of hope to make Kansas and U.S. sorghum more resilient.

"There's untapped genetic material within sorghum, it's just not currently in this particular genetic pool," he said. "Sorghum originates from some of the harshest climates, meaning sorghum diversity should reflect adaptability to harsh weather. It likely exists out there in nature, not necessarily ex-

isting only in the wild, but they might be domesticated or existing in experimental trials elsewhere."

Jagadish said a critical piece of discovering new genetics for heat resilience and moving them into future Kansas and U.S. varieties is having the resources for sorghum breeders to do the work.

"We are at a point where we think the crop is really hardy, it can survive in the harsh conditions, but because of a continued lack of investment in improving it, it has really taken a beating over the years," he said. "If we do not invest in sorghum, sorghum will not be ready for harsh weather change."

"We want to be in a position where we're ready for the challenge, but you can't get a solution in one or two years. It requires a long-term investment."

Tack added: "One of the main goals of the paper is to say something positive about

the future of adaptation. We didn't know that we were going to find such extreme sensitivity, and when we did, it became clear that while this plant has a reputation for surviving harsh environments, it's still not immune to heat stress.

"Once you have that finding, you want to say something about the future. We are not trying to cast stones here, rather we are trying to point

to a path forward."

Tack said that the paper reports findings that link heat-stress impacts to various plant-growth stages, which can aid breeders' efforts in improving resilience.

Kansas State University agronomist Jane Lingenfelter is also a co-author of the PNAS article, which is available online at <http://www.pnas.org/content/>

## Barn quilt winner



Jill Schmutz, Wakefield, was the winner of the "People's Choice" award of the Central Kansas Free Fair Barn Quilt division this year. There were 17 barn quilts on exhibit in Sterl Hall in Abilene. Voting was done by ballot and online, courtesy of the Abilene CVB. Barn quilts are a rural Americana art that is popular in all areas, but mostly seen on farmsteads and in small towns. Jill's quilt pattern on her 2x2 foot square is called "Tuscan Sun."

Photo by Lori Hambricht



## Modern farm families steeped in core values

By John Schlageck,  
Kansas Farm Bureau

Seems some people outside of agriculture routinely try to define the family farm. These same folks tend to question corporate farming whether family owned or not.

Let's look at a Kansas

family farm. In our state, many are based on owner operation. This means the rights and responsibilities of ownership are vested in an entrepreneur who lives and works the farm for a living.

The second key to defining the family farming sys-

tem would include independence. Independence implies financing from within its own resources using family labor, management and intellect to build equity and cash flow that will retire the mortgage, preferably in the lifetime of the owner.

Economic dispersion is the next important step in defining what a family farm should entail. Economic dispersion would include large numbers of efficient-sized farms operating with equal access to competitive markets worldwide.

No family farm would be complete without a family core. This family-centered

operation must have a family who lives in harmony within the workplace. All family members share responsibilities and the children learn the vocation of their parents.

The ideal family farm would be commercially diversified. Production of diversified commodities would help reduce price risks and maximize the use of farm resources. In turn, this would provide greater self-sufficiency to produce crops and livestock.

One final attribute necessary in defining today's family farm would be the acceptance and use of inno-

vative technology. This not only enhances farm labor, but also helps boost production.

Family farming carries with it a commitment to specific, independent values. These values become a part of the community and include conservation, frugality, responsibility, honesty, dignity in work, neighborliness, self-reliance and concern and care for future generations.

While it's rare indeed that one family farm may possess all of these attributes, together they have created a system of agriculture that has been a part of

our rural culture since our state's beginning.

Today, detractors of this profession are making it increasingly difficult for this vital industry to progress and prosper. That's why it's more important than ever to share information about our skills and attributes with those unfamiliar with our calling.

*John Schlageck is a leading commentator on agriculture and rural Kansas. Born and raised on a diversified farm in northwestern Kansas, his writing reflects a lifetime of experience, knowledge and passion.*

# China looking to be a bigger player in global agriculture

After a series of high-profile acquisitions and more likely on the way, China is poised to have a much larger footprint in the global food supply chain in the near future, according to a new report from Rabobank. The report highlights six acquisitions from the last six years that demonstrate China's agricultural priorities and perhaps predict the

role the world's most populous country is seeking on the global agriculture stage.

The sense of urgency around feeding China's 1.4 billion people has been leading to deals both private and public for the last several years. In April, Alex Zhang, cofounder and management partner of Beijing Hosen Investment Management (Hosen Capital), who

has invested \$300 million in food and agribusiness-related companies that are either located in China or are directly involved in meeting Chinese demand, reports AgFunderNews, "The whole industry is modernizing at a speed we haven't seen in Chinese food industry history, and if we follow a similar pattern in the way the U.S. food industry evolved in the

past, we are now at the stage that we will see more and more sector consolidation. We will see more trade sales and large Chinese food companies will continue to go global," said Zhang. "Our food industry will evolve in a similar fashion to our internet industry where four of the world's top ten companies are Chinese; we will probably see something sim-

ilar in ten years' time in the food industry."

The Rabobank report suggests that China's acquisitions are not simply meant to give the country more global superiority in terms of food production and ag-related holdings, but also to meet specific goals within the nation's own food supply. The report further says that future investments will

likely focus on "technology that improves livestock productivity."

## Foodservice trends show more people eating at home

In the last two years, we have seen a wide gap open between food cost inflation at foodservice versus grocery stores. Restaurants now have to cope with increased competition for both customers and labor. As a result, they have used the savings from lower raw material costs to bolster wages and refurbish restaurants, according to the *Daily Livestock Report*.

Food cost inflation at foodservice, both full service restaurants and fast food, has been steadily rising in the last two years even as raw material prices have declined. Food inflation at grocery stores, on the other hand, has declined, which may have caused shoppers to substitute some eating out nights with home cooked meals. Foodservice dollar sales have far outpaced grocery store sales in the last decade, evidence that U.S. consumers still like to dine out. But if retailers have gained traffic thanks to lower prices, this would imply that summer retail promotions have gained more importance (higher foot traffic) for the meat industry.



Lately I have been avoiding the news. I know for some of you this is not hard to do but for me it is a monumental shift. I admit it, I am a political junkie and the strategy behind politics usually fascinates me. However, lately I find it hard to watch and even harder to swallow and it makes it all hard to watch and follow.

I am not picking on any one side because it seems like lately we are ruled by the extreme. All the press coverage goes to the extreme right or the extreme left and all of us who call ourselves moderates are lost in the crossfire. If it is true that the squeaky wheel gets the grease then both wheels need greasing and the axles holding everything have been forgotten in all the noise.

I don't have anything to prove it but I truly believe that the extreme ends of the political spectrum do not represent the majority. However, they tend to be more vocal and not afraid to speak up (or shout out in many cases) and therefore garner all the attention. We see it every night on the news; politics has become an ugly battleground with each side trying to shout the other down. Those caught in the middle are often beaten up by both sides. It kind of makes you wonder why anyone would ever want to get involved.

However, getting involved is exactly what we need to do. I know it will be ugly and painful, but the results of not doing anything will be even worse. We cannot allow this tug of war by both ends of the spectrum in which neither will give an inch. Without compromising nothing will ever be agreed to and we will forever be stuck in our current gridlock.

Am I saying that we need to give up our morals and principles? Absolutely not; we must all believe in core values and ideals that we hold close. We must also try to understand the thoughts and beliefs of those who are very different from us and ask ourselves why they believe what they do. I am not asking you to agree with them but rather to try to understand where they are coming from and see things from their perspective.

Hopefully this current round of bitter arguing, fighting and violence will make those of us in the middle act. That is the

only thing that will make it better. We must stand up and tell both sides to go sit in the corner and not come out until they can behave. Enough is enough and we need to start acting like the civilized nation we are. After all, the United States is a melting pot of cultures and ideas and in the past, that is what has made us strong.

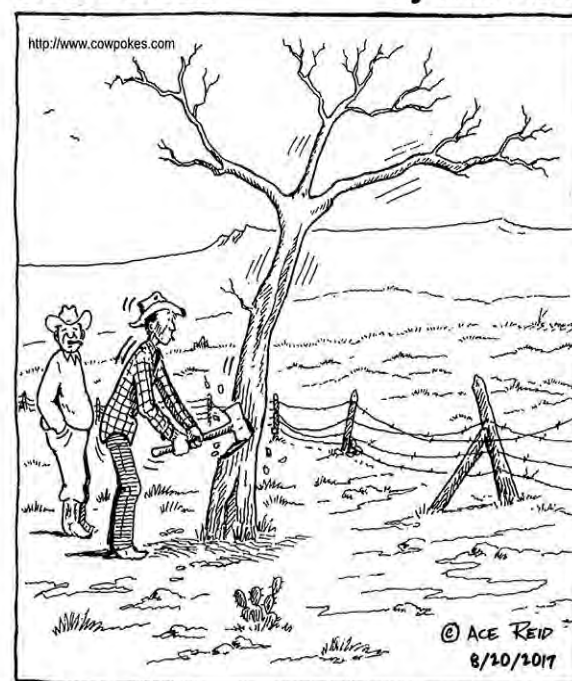
We must get back to the place where every day, ordinary people will participate in the governance of this nation at a local, state and especially national level. There are too many good people for us to settle for the choices we are currently given. I am not picking sides because I don't really care for either side. I want to support someone who believes what I do and represents my best interests, not the special interests of someone pulling the strings behind the scenes.

So how do we get back to that place? That is the ultimate question and one we had better answer pretty darn fast. We need to take our political parties back and ultimately our government and one of us alone cannot do it. It will take all of us stuck in the middle to rise up and tell those on the extreme ends that enough is enough. We must get involved, there is no other way and it will not be easy or painless. Those in power have gotten there because they are good at getting their way and making it difficult for those who challenge them.

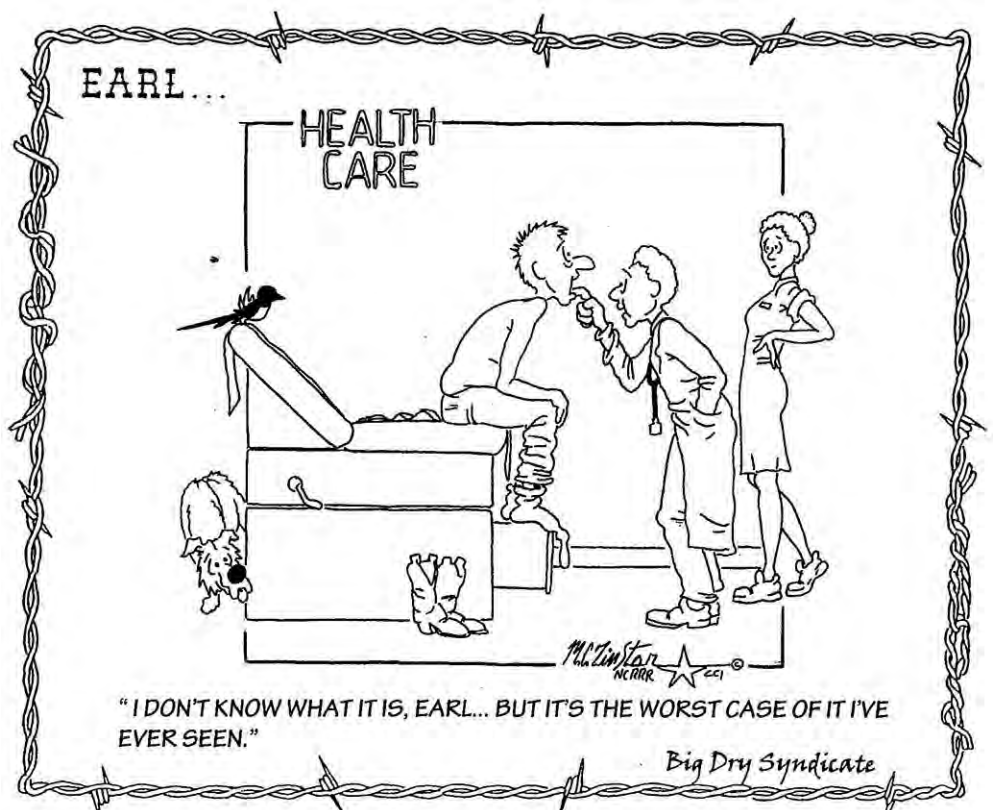
Am I saying that all public servants and elected officials are bad or bullies? No, I know many who are there for the right reason and are good people who represent our best interests. Increasingly it appears those types of people are harder and harder to find and that is why we must take back control before we lose more.

I do believe that we live in the greatest nation in the world and that we can not only retain that title but improve upon it, but we must get back to what made us great in the first place. We must return to being a nation that allows new ideas but holds on to the values we were built on. I hope that we will get back to a place where we value all opinions and enjoy a civil debate. I know this is a simple view but I hope it is one that most of you agree with and you will join me in bringing it back.

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# North-central Kansas farmer donates land to establish K-State's Harold and Olympia Lonsinger Sustainability Research Farm

Harold Lonsinger, Alton, has given a gift of land to the Kansas State University Foundation to establish the Harold and Olympia Lonsinger Sustainability Research Farm.

Lonsinger gave 2,300 acres of Osborne County farmland to K-State, to develop a research farm focusing on sustainable agricultural practices and soil conservation, reclamation and protection.

A childhood resident of Pottawatomie County, Lonsinger joined the Army after high school graduation. He served in the Pacific theater during World War II, and later served in a non-combat role in Korea. He then enrolled at Kansas State University, earning his degree in mechanical engineering in 1956. He and his wife, Olympia, lived in Hutchinson where

he worked as an engineer. In 1984, he retired from Dorskosil Food Service as the vice president of engineering. He and Olympia moved to Cawker City to farm and raise livestock.

"I was given this land for a purpose," said Lonsinger. "I think the research Kansas State University will conduct and the knowledge they will gain will help protect and preserve our precious natural resources. That seems to be the purpose."

Lonsinger has stressed that his goal of donating the land is to learn how to best restore the soil to its historic quality.

"Among our many agricultural experiment stations, Harold's gift of more than 2,000 acres of quality Kansas farm- and grassland will become a hallmark of sustainable

farming research at K-State," said John Floros, dean of the College of Agriculture and director of K-State Research and Extension. "Much of the Lonsinger land is contiguous and will allow investigators to discover how historical and innovative farming practices impact larger tracts of soil over time. The research we will be able to conduct will have application for Kansas farmers and for producers worldwide."

Philanthropic contributions to K-State are coordinated by the Kansas State University Foundation. The foundation is leading Innovation and Inspiration: The Campaign for Kansas State University to raise \$1.4 billion for student success, faculty development, facility enhancement and programmatic success.

## New kids on the block: new winter wheat varieties available for fall planting

In geographical terms, Kansas is a large, diverse state with significantly less annual average rainfall to the west than in the east, so a one-size-fits-all approach doesn't work for crops grown in the state. To that end, Kansas State University researchers have developed three new wheat varieties best suited for different growing conditions and available for the first time this year.

Certified seed is available for Larry, Zenda and Tatanka, new hard red winter wheats, each sporting different traits including resistance to certain diseases

and pests and in the case of two of them, drought tolerance.

Larry, one of the new varieties, has good resistance to stripe and stem rust and soil-borne mosaic virus - problems that can plague wheat in Kansas and other states. It has shown good tolerance to acidic soil, but is moderately susceptible to leaf rust. Larry is a medium maturity that has exhibited good drought resistance and yield potential across south-central and southwest Kansas and into north-central Oklahoma. This wheat was named in honor of Larry Patton, a long-time

technician in the K-State wheat breeding program in Manhattan.

"Larry is a high-performance variety for farmers that are willing to intensively manage their wheat," said Daryl Strouts, president of the Kansas Wheat Alliance, who added that it is important for growers to use a fungicide with this variety.

The Kansas Wheat Alliance is a not-for-profit organization composed of wheat producers, researchers and seed marketers. It manages the release of K-State wheat varieties to deliver crop traits that farmers are

seeking for their particular area.

Zenda, another new variety, was named for a community in Kingman County in south central Kansas where it is well adapted. It is "an excellent choice for wheat acres after corn in central and eastern Kansas" and performed well in the 2016 K-State trials in that area, according to the KWA. It is resistant to soil-borne mosaic and moderately resistant to leaf rust, stem rust and stripe rust. It has intermediate resistance to barley yellow dwarf, powdery mildew, scab and septoria leaf blotch, but is moderately susceptible to wheat streak mosaic.

"Zenda is the replacement for Everest, the most widely planted variety in Kansas for the last five years," Strouts said. "It has all the things that make Everest a top variety plus better stripe rust resistance and baking quality."

Tatanka is a new wheat

developed particularly for dryland fields in western Kansas. Through years of testing, it has shown high yields, good drought tolerance, winter-hardiness and has good resistance to stripe rust and soil-borne mosaic. It has above-average test weight and good milling and baking quality. Tatanka was named to honor the American bison

or buffalo, another species that at one time thrived on the High Plains. Tatanka comes from the Lakota Indian word for buffalo.

Seed availability should be good for all three varieties, Strouts said, but farmers should be reminded to get their orders in soon as popular varieties like these sell out early.

### Figures released in BPI-ABC News settlement

According to news reports, Walt Disney Co., which owns ABC News, paid \$177 million, in addition to insurance recoveries, to settle the lawsuit filed by Beef Products, Inc. BPI sued American Broadcasting Company (ABC) in 2012, saying it and reporter Jim Avila had defamed the company by using the "pink slime" tag, and making errors and omissions in a series of reports that year.

Disney reported the settlement of the litigation in a footnote to its quarterly financial report, saying it was seeking additional insurance proceeds to recover its cash payment. The financial tables show a charge of \$177 million described as being "in connection with settlement of litigation." The figure is not directly linked to the "pink slime" case, but the BPI litigation is the only one Disney specifies in the report, according to Reuters.

"As Disney disclosed, \$177 million is not the total settlement amount. Based on Disney's disclosure, it appears that Disney is funding \$177 million of the settlement and its insurers are paying the rest," Dan Webb of Winston & Strawn, who headed up the litigation for BPI in the case against ABC, told Meatingplace in an emailed statement.

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*This Week's Recipe Contest Winner Is  
 Marlene Walker, Minneapolis*

Winner Marlene Walker, Minneapolis: "I have been a reader of this wonderful page for many years. I wanted to share a family favorite after all the fairs have come to an end. Recently a young teenage boy at our church wanted to enter a bar cookie to the local fair. He was given my bar cookie recipe and earned a purple ribbon for his entry. So fortunately, I thought I should share with others as many of my friends love this old (1980s) favorite bar cookie."

**CHEWY OATMEAL BARS**

Preheat oven to 400 degrees. Prepare a greased jelly roll pan (big cookie sheet.)

- 2 eggs
- 2 sticks real butter, softened
- 1 teaspoon real vanilla extract
- 2 cups brown sugar, packed
- 2 cups flour
- 2 cups quick oatmeal
- 1 teaspoon baking soda
- 1 cup Toll House chocolate chips

Cream softened butter and brown sugar together until light and creamy. Add 1 egg at a time, then the vanilla mixing well. Add baking soda, 1 cup flour at a time, 1 cup oatmeal at a time, mixing until incorporated. Last sprinkle the chocolate chips on low speed until mixed. Spread the dough into the prepared pan, the pan will be full. Bake in preheated 400-degree oven for 12 minutes. **DO NOT OVERBAKE** This recipe is quick to make and I hope many cooks will enjoy it as much as we do.

\*\*\*\*\*

Nancy Horne, Alta Vista:

**APRICOT GLAZED PORK KABOBS**

- 10-ounce jar apricot preserves
- 4 tablespoons orange juice
- 2 tablespoons butter
- 1-pound boneless pork loin, cut into 1-inch cubes

Stir together apricot preserves, orange juice and butter. Simmer in a small saucepan until butter is melted. Or combine ingredients in a 2-cup glass measure and microwave on high 1 minute. Place pork cubes in heavy plastic bag. Pour 3/4 cup apricot mixture over the meat to coat and marinate at least 30 minutes. Thread pork onto 4 to 6 skewers (if using bamboo skewers, soak in water for 20 to 30 minutes before using). Grill over hot coals 10 to 12 minutes, turning occasionally. Baste often with the marinade sauce. Warm the remaining apricot sauce to boiling and serve alongside kabobs if desired. Serves 4.

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Michelle Brokes, Wilson:

**SAVORY SNACK MIX**

- 2 bags Chili Cheese Fritos
  - 6.6-ounce package Cheddar Goldfish
  - 2 cups pretzels
  - 16-ounce can mixed nuts
  - 1 tablespoon chili powder
  - 1 tablespoon garlic powder
  - 1/2 cup brown sugar
- Mix the above together.
- 2 sticks real butter
  - 1/2 teaspoon baking soda

Melt butter to boil; add baking soda. Pour over mix and stir. Spread over 2 jelly roll pans and bake at 350 degrees for 12 minutes, stirring halfway through baking time.

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Rose Edwards, Stillwater, Oklahoma:

**SQUASH CASSEROLE**

- 6 tablespoons butter, divided
- 3 pounds yellow squash, sliced 1/4-inch thick
- 1 medium-size onion, chopped
- 2 teaspoons salt, divided
- 2 large eggs
- 8 ounces sour cream
- 4 ounces sharp Cheddar cheese, shredded
- 2 ounces Swiss cheese, shredded
- 1/2 cup mayonnaise
- 1/2 teaspoon pepper
- 2 sleeves Ritz crackers, coarsely crushed
- 1/4 cup Parmesan cheese

Set oven at 350 degrees. Melt 3 tablespoons butter in a large skillet. Add squash, onion and 1 teaspoon salt; cook until center of squash is just tender and liquid has evaporated, about 10 minutes. Transfer mixture to a colander and set over a bowl. Drain 5 minutes and discard liquid. Stir eggs, sour cream, cheeses, mayonnaise, pepper and remaining 1 teaspoon salt in a large bowl. Gently fold in squash mixture. Spoon into a lightly greased 2-quart or 11-by-7-inch baking dish. Microwave remain-

ing 3 tablespoons butter until melted. Toss crackers, cheese and butter until combined then sprinkle over casserole. Bake in oven about 20 minutes or until golden brown.

\*\*\*\*\*

Lydia Miller, Westphalia:

**PASTA-HERB CHICKEN SALAD**

- 1 1/2 to 2 cups cubed cooked chicken
  - 2 1/2 cups cooked corkscrew shaped noodles
  - 1 head lettuce, turn into bite-size pieces
  - 1/4 cup grated carrots
  - 1/2 to 3/4 cup sliced almonds
- Bersteins Creamy Herb & Garlic Italian Dressing
- Combine chicken, noodles, lettuce, carrots and almonds in a large mixing bowl. Toss with just enough dressing to lightly coat leaves. Makes 4-6 servings.

\*\*\*\*\*

Millie Conger, Tecumseh:

**LEMON POKE CAKE**

- 1 yellow cake mix
  - 1 tablespoon lemon zest
  - 1 box instant lemon pudding
  - 1 carton Cool Whip
- Make yellow cake mix as directed on package. Bake in a 9-by-13-inch pan. Let cool a few minutes after removing from oven. Poke holes with handle of wooden spoon. Make lemon pudding as directed on package. Pour into holes

of cake. Refrigerate for an hour or so. Cover with Cool Whip. Sprinkle with zest. Keep refrigerated.

\*\*\*\*\*

Doris Shivers, Abilene:

**PINEAPPLE RICE PUDDING**

- 20-ounce can crushed pineapple in juice, undrained
- 13 1/2-ounce can coconut milk
- 12-ounce can fat-free evaporated milk
- 1/4 cup uncooked arborio rice
- 2 eggs, lightly beaten
- 1/4 cup granulated sugar
- 1/4 cup packed light brown sugar
- 1/2 teaspoon ground cinnamon
- 1/4 teaspoon ground nutmeg
- 1/4 teaspoon salt
- Toasted coconut & pineapple slices (optional)

To toast coconut, spread evenly on ungreased baking sheet. Toast in preheated 350-degree oven 5 to 7 minutes, stirring occasionally, until light golden brown.

Place pineapple with juice, coconut milk, evaporated milk, rice, eggs, granulated sugar, brown sugar, cinnamon, nutmeg and salt in crock-pot slow cooker; mix well. Cover; cook on HIGH 3 to 4 hours or until thickened and rice is tender. Stir until blended. Serve warm or chilled. Garnish with coconut and pineapple, if desired.

\*\*\*\*\*

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3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.

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# Champion Recipe from Nemaha County Fair

By Nancy Nelson, Agent Meadowlark Extension District, Family Life Thanks to Deb Henry, Meadowlark District 4-H program manager at the Seneca office, for providing this winning 4-H recipe from the Nemaha County Fair.

Kortney Plattner, a 9-year member, will be entering her junior year at Sabetha High School. She is thinking about going to Washburn to major in x-ray tech after high school. In 4-H she is enrolled in leadership, foods and wood-working. She enjoys doing the commissioners' cookie jar and the mayor's bread basket at the fair. Here is one of her recipes from the Champion bread basket.

### BUTTER BRAID

1 tablespoon yeast  
1/4 cup warm water  
Mix and let sit 5 minutes. Add:  
1 cup warm milk  
1/3 cup sugar  
1 1/2 teaspoons salt  
2 eggs  
Mix well. Add 4 1/2 to 5 cups flour and knead. Roll dough into a 12-by-18-inch

rectangle. Cut 1 stick cold butter over 2/3 of the dough. Fold the unbuttered part and then the other one. Repeat this procedure using another stick of cold butter. Flip dough 3 times and refrigerate at least 2 hours or overnight.

Remove dough from refrigerator and divide dough into 4 parts (2 if you want larger braids). Divide each of the 4 parts into 3 pieces each. Braid the three pieces together to form a braid, tucking ends under. Let rise until double or about 2 hours on a greased baking sheet with edges. Sprinkle braids with cinnamon/sugar. Bake at 350 degrees for 20-25 minutes. Leave on pan to soak butter released during baking. Frost and serve.

**Frosting:**  
1/4 cup butter  
3 cups powdered sugar  
1 teaspoon vanilla  
1/2 teaspoon almond flavoring  
1/2 teaspoon butter flavoring  
3 dashes salt  
Half & half to thin icing as needed



# Home and Away

## Creating an Army of Kindness

By Lou Ann Thomas  
I'm exhausted. The steady stream of bad and unsettling news is wearing me down. I need some goodness and kindness right now! But where do I find that?

Well, like the song goes, "Let there be peace on earth and let it begin with me." But what can I do? I am one person, how can I stop or even slow down the hatefulness and bigotry and the violence that it incites? How can I help preserve some semblance of sanity in a world that feels so insane? And how may I become an agent of peace and harmony in the face of, and despite, all of this?

In an attempt to try to answer these questions, I gathered a group of friends together to talk about how each of us can be a stronger example of kindness and goodness in our homes and communities. From large to small, from the most complex to the simplest, the ideas began flowing quickly and my friends came up with a number of things we could all do wherever we were, with whatever we had.

Some of those were as simple as smiling at everyone we meet. Smiles don't cost anything and don't really require any time investment either, yet they remain one of the most powerful tools for good we have. An-

other suggestion was to look for small acts of kindness to perform throughout the day, such as holding the door for someone, picking up trash in your neighborhood, or putting a coin in an expired parking meter. These kinds of acts are unlimited and all around us, we just need to become more aware of them and to create a habit of responding with kindness.

Some of my teacher friends suggested calling our local school district and paying for some lunch tickets for kids they know could use the assist. Others have committed to offering more volunteer hours in their communities and are working in food pantries, donating whatever they can —

food, clothing, money — to shelters. Others are serving on church and civic committees that are promoting diversity and acceptance.

Once we created a short list of things that we could do, we challenged each other to commit to doing at least one kind act every day. If each of us did that and we got five of our friends to do that, and they got five of their friends to join us, we'd soon have a movement of goodness and an army of kindness.

And the weariness from all that feels like darkness right now might begin to dissolve in the light created by our action.

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**LEGAL DESCRIPTION:** All land lying east of Old US Highway 81 in the northwest quarter and approximately 4 acres in the southwest quarter of S09, T20, R03, McPherson County, KS less R/W.

**TRACT 4:** 21.4 acres± with 20.12 DCP cropland.

**LEGAL DESCRIPTION:** All land lying west of Old US Highway 81 in the northwest quarter of S09, T20, R03, McPherson County, KS less R/W.

**FSA Details for All Tracts Combined:**

- 407.56 DCP Cropland Acres
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- Immediate Access day of sale on wheat stubble for Fall Planting - Buyer to take possession of milo upon completion of harvest.

**PROPERTY LOCATION:** All tracts located on the south edge of McPherson on south side of Highway 61.

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# Research and education facility launched at Hy-Plains Feedyard

Food animal production is both art and science involving multiple sectors and stakeholders. The art of applying common sense and well tested animal husbandry skills in sync with proven science and technology is creating a paradigm shift

in protein production, specifically the cattle feeding sector.

The Hy-Plains Education and Research Center located in Montezuma, will officially open its doors on Wednesday, August 23, 2017, hosting customers and

invited guests to hear industry leaders. The panel representing all production sectors, will discuss "The Stakeholder's Role In Global Food Sustainability." Vice-president of the World Wildlife Fund U.S. Food Team, Carlos Saviani, is the

lead-off speaker, followed by Luke McKelvie, McDonald's Global Farmer program manager; Emily Murray, Cargill general manager-McDonald's Beef; Drs. Bob Smith and Trent Fox, Veterinary Research and Consulting Services, LLC; Dr. Randall Spare, Ashland Veterinary Center, Ashland; Mark Gardiner, Pres., Gardiner Angus Ranch, Ashland; and Dan Dorn, ABS Powerline Genetics Business Manager. A panel discussion will conclude the afternoon program.

Global food sustainability discussions invoke passion and skepticism depending upon the audience. The World Wildlife Fund is taking a leadership role by engaging production stakeholders, large companies and corporations through

substantive collaboration focusing on sustainable outcomes rather than traditions and practices. Managing water and land, improving efficiencies and adding value are critical issues that will determine food animal producers' ability to meet a growing need to produce more food while reducing the stress on all resources.

The Hy-Plains Education and Research Center will provide a state-of-the-art facility for ongoing research benefiting food animal producers and consumers globally. Beef industry stakeholders have both a challenge and a responsibility to use science and technology to improve efficiency and health, increase outputs, add value and sustain an affordable food supply for a growing planet. Research

and industry collaboration are essential. Hy-Plains Education and Research Center provides a controlled environment and support staff necessary to conduct science-based research and the capacity to educate through aggressive consumer outreach.

HPFY is committed to the success of sustainable global beef production by improving efficiencies through the value chain, customer service and best practice management. For more information, contact Tom Jones, Hy-Plains Feedyard, TomJones231@gmail.com or Shannon Wharton, Hy-Plains Feedyard, swarton@wbsnet.org.

## Junior leaders: Apply to become Angus Ambassador

The National Junior Angus Association (NJAA) is beginning its search for the next Angus Ambassador. It's an elite position that provides an opportunity for a one-year term as spokesperson for the NJAA's nearly 6,000 members as the ambassador connects with cattle producers, consumers and industry professionals nationwide. Applications are available online and must be submitted by Sept. 15.



"As the Angus Ambassador, one junior member is given the opportunity to take his or her passion for Angus cattle to the next level by networking with other Angus producers and beef industry professionals, and by traveling to and attending a variety of engaging events over the course of the year," says Jaclyn Clark, American Angus Association director of events and education.


To be eligible for the Angus Ambassador competition, applicants must be Association members in good standing, between the ages 17-20 as of Jan. 1, who own purebred Angus cattle. They must submit a cover letter, résumé and two essay responses.

For more information, please visit the NJAA website at [www.angus.org/njaa](http://www.angus.org/njaa).



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# Wheat Streak Mosaic is timely issue at Wheat U event

**By Marsha Boswell, Kansas Wheat Director of Communications**

Nearly 250 Kansas wheat farmers met in Wichita on August 8, 2017, for the WheatU event, sponsored by *High Plains Journal* and Indigo Ag.

Dr. Erick De Wolf, professor of plant pathology at Kansas State University, was the keynote speaker and his topic was a timely one – “Wheat Streak Mosaic, an old enemy with devastating impact.” The viral disease caused a conservative \$76.8 million in direct losses to wheat farmers this year alone, a loss of 19.2 million bushels of wheat.

De Wolf said that from a historical perspective, Wheat Streak Mosaic annually causes yield losses of 1.5% up to this year’s 5.7% yield loss.

But why was Wheat Streak Mosaic so bad this year?

De Wolf said it was a combination of management practices and the environment.

Fall weather conditions were ideal for the spread of wheat curl mites, which carry the disease and the Wheat Streak Mosaic Virus. Mild fall temperatures favored the continued spread. In addition there was no hard freeze until late November in many areas.

De Wolf says the best way to get rid of Wheat Streak Mosaic is to control volunteer wheat, as volunteer wheat is the most common host of the virus and the curl mite. Volunteer wheat can be removed with herbicides or tillage, but it’s absolutely essential to “allow time for herbicides to work,” he said.

“Volunteer wheat must be dead and dry for two weeks prior to planting,” said De Wolf. “It’s necessary to have a wheat free period, and you should watch out for volunteer in sneaky places, such as in double crop and cover crops.”

“If your volunteer wheat is dying right at the same time as your newly planted wheat is emerging, where do you think those mites are going to go?” De Wolf asked. “If conditions are right, they will move directly into the newly emerged wheat.”

Kansas wheat farmers can also help stop the spread of the disease by choosing wheat varieties with the best available resistance and by avoiding early planting.

De Wolf said there are WSM2 resistance genes available now in wheat varieties Oakley CL and Joe, but the resistance isn’t as effective at temperatures above 70 degrees F. He also pointed out other varieties – TAM 112, Byrd and Avery – slow the development of mite populations.

By avoiding early planting, Kansas wheat farmers are able to avoid times when wheat mite populations are the highest in late summer and to decrease the interval between planting and fall freeze events.

But De Wolf acknowledges that in many areas, planting has to happen when moisture is available.

“When we say avoid early planting, we’re not talking about planting outside of the window for success of your wheat crop,” said De Wolf. “We’re encouraging you to plant on the later side of the recommended planting dates.”

There is good news when it comes to the future management of Wheat Streak Mosaic.

De Wolf said that improved genetic resistance is being developed at KSU. The WSM3 gene, which was discovered by Bernd Friebe at the Wheat Genetics Resource Center (WGRC) at Kansas State University, comes from wild relatives of wheat and is resistant to not only Wheat Streak Mo-

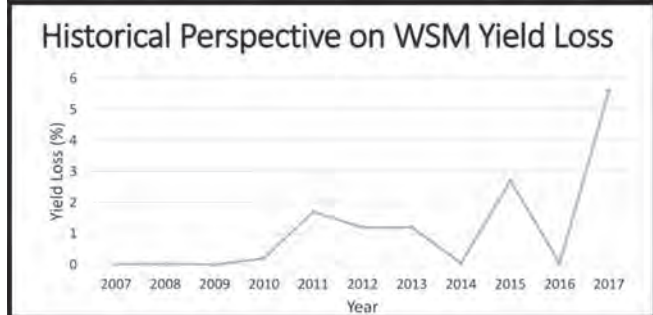
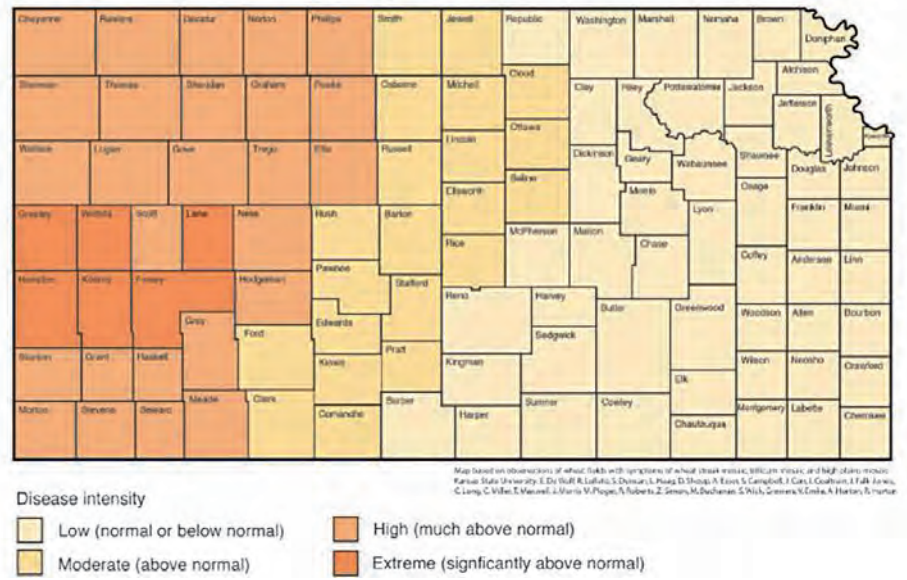
saic Virus. This resistance gene also provides protection from Triticum Mosaic Virus and High Plains Mosaic Virus as well. Another benefit of WSM3 is that it is not temperature-sensitive, which has been a weakness in the current sources of resistance. This research is being partially funded by Kansas wheat farmers through the Kansas Wheat Commission’s two-penny wheat assessment. The WGRC is housed at the Kan-

sas Wheat Innovation Center in Manhattan.

At this point in time, there are no chemical options such as insecticides or pesticides that are effective at controlling the wheat curl mite. In addition, De Wolf says that the wheat curl mite can move a least a mile, and in some cases more.

“The best way to get rid of Wheat Streak Mosaic is to control volunteer wheat,” De Wolf said.

Distribution and Intensity of Wheat Streak Mosaic, Triticum Mosaic, and High Plains Mosaic in Kansas  
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# Avoid compacted soils during harvest this fall

**By Jeri Geren, Diversified Ag & Natural Resources, Wildcat Extension District**  
 Crop harvest is an exciting time for most producers. It is often joked that planting, fertilizing and spraying are all done solely for the chance to get to ride around in the combine. Although most farmers take much

pride in every farming practice they endeavor in, it's always nice to get the crop off the field and a paycheck in the pocket. The downfall to row crop harvest is not what's taken off the field, but rather the potential soil compaction that may be occurring below-ground.

Compaction can be caused by a variety of issues

within the soil. Naturally dense soils, surface crusting and cultural practices can all contribute to compaction. One specifically prevalent during harvest is vehicle-induced compaction. This can be divided into two types, shallow and deep.

Shallow compaction is defined as any compaction occurring within the normal tillage zone. This can be from five to ten inches deep depending on the location. Shallow compaction is related to the pressure applied to the surface of the soil and is considered temporary since it is usually eliminated by normal tillage practices.

Deep compaction, or subsoil compaction, occurs

below the normal tillage zone and is caused by weight or force applied to the soil. It is mostly affected by the maximum axle weight. A moist soil can be compacted to a depth greater than 18 inches by a ten-ton axle load. To put this into perspective, consider that the weight of a 1,050 bushel grain cart is 19,700 pounds when empty. When filled, it can weigh over 78,500 pounds. The grain cart can transfer about 8,000 pounds to the tractor through the tongue of the wagon, so the grand total is 70,500 pounds. If the grain cart has two axles, that comes to 17.6 tons per axle. In addition, a 12-row combine full of corn

exceeds 20 tons per axle. Both of these examples have exceeded the ten-ton axle load limit.

If compaction is suspected, look for malformed plant roots, standing water or excessive water erosion, increased power requirements for field operation, stunted plant growth and reduced yields. Also note that yields will be most affected in a dry year since soil strength increases as soils dry.

The best cure for compaction is to avoid it. To reduce the potential and minimize compaction, limit traffic when fields are wet, and confine the majority of the traffic to the end rows as much as possible.

If you have questions or would like more information, please call me at the office (620) 331-2690 or email me at [jlsgle@ksu.edu](mailto:jlsgle@ksu.edu), or visit the Wildcat Extension District website at [www.wildcatdistrict.ksu.edu](http://www.wildcatdistrict.ksu.edu).

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## Webinar to cover how to prevent broken needles, protecting people, pigs and pork

Mark your calendar for Thursday, Sept. 7th at 1 p.m. Central Time for an educational webinar brought to you by the Pork Checkoff - How to Prevent Broken Needles: Protecting People, Pigs and Pork.

This fact-filled, hour-long webinar, in collaboration with *National Hog Farmer*, will offer keen insights into why it's so critical to prevent broken needles from happening on the farm and

the potential consequences if we don't. As an added bonus, one of the country's largest pork packers will also provide their insights into this important issue. Webinar participants will also be able to pose questions before the session wraps up. Register here at no cost.

Speakers will include:  
**Laura Bachmeier,**  
 Director of Pork Safety,  
 National Pork Board

Laura will provide participants with a quick overview of how the Pork Checkoff has funded research into this area over the years and why it's so important to stay vigilant about preventing broken needles in pigs. Whether it's focusing on better injection techniques or simply adhering to the letter of Pork Quality Assurance® Plus management practices, she will help provide a solid rationale on why this part of production must not be overlooked.

**Dr. Steven Hoff,**  
 Professor of Ag and Biosystems Engineering, Iowa State University

Steve will discuss his research into needle strength, sharpness retention, and how detectable broken needles really are in packing plants. His expertise in this area should help producers understand how important it is to not only use the right needle size, but also always be mindful of how long any needle can withstand typical use in today's herds. While packers and processors may be improving their ability to detect broken needles in carcasses, he will tell you why it's critical to prevent breakage from occurring at the farm level.

**Emily Erickson, Animal Well-Being and Quality Assurance Manager, New Fashion Pork, Jackson, Minn**




Emily helps bring the practical, on-farm aspect of proper needle/injection management to this webinar. As she is in charge of overseeing the animal well-being and pork safety at New Fashion Pork, it's her passion to help train all employees in the best practices of injection methods that make it better for people, pigs and the pork that goes to consumers. She will inspire you to re-evaluate your on-farm, broken-needle prevention protocols.

**Bonus Content:**  
**A Packer's Perspective**  
 A representative from a major U.S. packer will be making a few key comments near the end of the webinar that will bring a unique perspective into this real-world issue. A Q&A session will follow.

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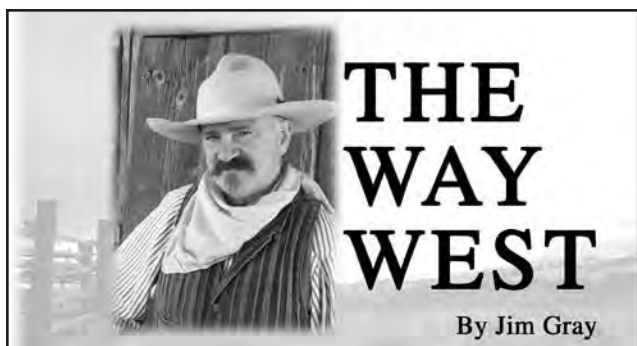




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# THE WAY WEST

By Jim Gray

## Border War Revenge

At the close of the Civil War the only discernable difference between Missouri and Kansas along the border south of Kansas City was the scattered "blackened chimneys" of abandoned Missouri farms. Known as the "Burnt District", the charred remains were the result of Brigadier General Thomas Ewing's General Order Number 11, issued August 25, 1863.

The series of events that led to the issuance of the order began in the opening days of the War Between the States. Early in 1861, as the inevitability of war loomed over the nation, southern states began to secede from the Union. The Missouri Constitutional Convention voted to stay with the Union, but to remain neutral, pledging that the state would not send either arms or men to either the Confederacy or the Union. The decision was significant, considering that a large Union arsenal was based at St. Louis.

Following the Confederate attack on Fort Sumter, South Carolina, President Lincoln issued a proclamation requiring each state to call up its militia and provide troops to "suppress the rebellion." Missouri Governor Claiborne Jackson replied, "Your requisition, in my judgment, is illegal, unconstitutional, and revolutionary in its object, inhuman, and diabolical and cannot be complied with. Not one man will the State of Missouri furnish to carry on any unholy crusade."

Jackson then called up the Missouri militia to defend the state. "Maneuvers" were held very near the St. Louis Federal Arsenal at Camp Jackson. Feder-

al authorities surrounded and arrested the militia, and marched the prisoners through the streets of St. Louis. The spectacle sparked a riot. Shots were fired into the crowd, killing thirty-five citizens. Nearly one hundred were wounded.

Governor Jackson, while publicly professing neutrality for Missouri, was secretly negotiating with the Confederacy to invade and "liberate" Missouri from Union oppressors. The stage was set for war. The Missouri State Guard was organized to resist the expected Union

"invasion."

Brigadier General Nathan Lyon pursued the Missouri State Guard, seized the State Capitol at Jefferson City and proceeded to push the Guard into southwest Missouri. The Guard, under the command of General Sterling Price, was joined by Confederate forces out of Little Rock, Arkansas. Price had been the presiding officer for the Missouri Convention that voted to remain neutral. His position changed with the capture of Missouri men at Camp Jackson and the subsequent firing into the civilian bystanders at St. Louis. For Price, the action taken that day was an act of war against the State of Missouri.

With Confederate support, Price took a stand August 10, 1861, at Wilson's Creek, near Springfield. In the intense fighting Union General Lyon's horse was shot from under him. Wounded in the head, he remounted and led the Second Kansas Infantry in a count-

er-charge. There on Bloody Hill, Lyon was shot through the heart.

Price finally tasted victory, using the success at Wilson's Creek to launch an offensive into northern Missouri. The "Kansas Brigade" led by Colonel James H. Lane met Price and suffered defeat at the Battle of Dry Wood Creek. Price moved on but Lane returned to Missouri after a retreat to Fort Scott. Lane's intent was not to confront Price but to "clear out" southern sympathizers across the border from Kansas. Burning and looting was the order of the day as they passed through scattered towns. They reached Osceola, sixty-five miles east of Fort Scott, September 23, 1861. The bank was robbed and the town of three thousand citizens was put to the torch. Nine men were "tried" and executed. Two hundred slaves were liberated and a great amount of plunder was carried back to Kansas.

Across western Missouri farm boys and outraged citizens joined informal militias to defend their families. They called themselves Partisan Rangers, those who feared them called them Bushwhackers. It took them nearly two years to return the favor. The catalyst that spurred revenge was the death of a number of Missouri women suspected of supporting the Confedera-

cy. The women were killed when the building in which they were being held collapsed on August 18th.

The Bushwhackers swore revenge. With Quantrill's raid on Lawrence, August 21, 1863, their revenge was quenched. Amidst shouts of "Remember Osceola!", the business district and approximately one hundred

• Cont. on page 10

## ESTATE AUCTION #1

SATURDAY, AUGUST 26, 2017 — 9:00 AM

1757 East 1338 Road — LAWRENCE, KANSAS  
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See last week's Grass & Grain for listings & Please visit us online: [www.KansasAuctions.net/elston](http://www.KansasAuctions.net/elston) for pictures!

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# ANTIQUUE AUCTION

SUNDAY, SEPTEMBER 3, 2017 — 10:00 AM

Auction will be in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS

**FURNITURE**  
Walnut plantation desk; oak buffet w/gargoyles; oak printer's cabinet w/roll front 16 drawers; oak china buffet; walnut cylinder roll secretary w/bookcase; oak curved glass china cabinet; oak curved glass secretary; oak secretary w/hood; 7 oak secretary's; walnut drop front secretary bookcase; walnut deep well dresser; walnut wishbone dresser; several walnut dressers; fancy walnut beds; walnut marble top washstand; walnut dresser w/marble top; walnut 2 door wardrobe; large walnut glass ball parlor table; rare oak JP Coats spool cabinet w/roll sliding doors; walnut drug store cabinet w/5 panel doors; walnut Merrick's 5 drawer spool cabinet; walnut JP Coats 4 drawer spool cabinets; Clarks 6 drawer spool cabinet; oak 74" tall display cabinet w/3 glass sides; oak hall seat; walnut revolving bookcase; oak parlor table; oak highboy; oak washstand's; walnut dry sink; mahogany drop front desk; walnut library table; oak open front bookcase; oak 2 & 3 section bookcases; walnut marble top washstand; oak S roll top desk; oak buffet; Mission oak buffet; oak opossom belly kitchen cabinet; oak kitchen cabinet; round oak table w/claw feet; square oak table; ornate walnut chair w/ladies

head; brass bed; oak tea cart; Morris chair; oak parlor table; child's camel back trunk; oak child's C roll top desk; walnut spinning wheel; Mission oak bookcase; oak school desk; oak 4 drawer file; oak 9 drawer file cabinet; oak map case w/maps; walnut ornate organ top; organ stool; cut down round oak table; oak T back chairs; mohair couch & chair; 60's arm chairs; 60's plastic chairs; 60's telephone desk.

**ADVERTISING & COLLECTIBLES**  
Crocks inc.: 5 gal salt glaze blue flower; 1927 Pat's Grocery Esbon, Ks bowl; several salt crocks inc: White & Mather; crock jugs; pictures inc.: Signa Larson painting; Glen Campbell autographed picture; Abilene bank Sandzen prints; other pictures; log cabin drawings Timothy Hersey cabin on land before Lebold Mansion; ElGreco art book; stain glass hanging lamp; stain glass window; Schwinn Traveler men's bicycle; Checker Cab pedal car; plastic pedal Prowler & Corvette; Coke tray; tip tray; Pfeiffers advertising figure; Red Lye ink well; lamps inc.: (50's table lamps, dresser lamps, hanging lamp, lamp shades); 60's Airline radio record player on stand; 60's Airline radio nib; MGA 12" portable B/W TV nib; Brother Electronic typewriter nib; True Tone transistor radio nib; model cars; model airplanes; Invest In Pork cast iron bank; cast iron frog; cast iron game match holder; hp pitcher bowl & pot; Fiesta stacking bowls; umbrella stand; mesh purses; pocket mirrors; Boy Scout items; Toys inc: Model fire truck & road grader; Buddy L dump truck; other trucks; assortment of farm toys inc.: Precision 4020, Allis, many other; HO train; Archie & Jughead car & figures; Mickey Mouse showcase; SantaFe clock & picture; railroad padlock; butterfly collection; Tapestry; child's chest; Edison cylinder phonograph; fireworks; Sears Christmas catalogue; sugar sacks; Royal typewriter; cast iron stove movers; wooden bucket; telegraph key; brass & copper pieces; oil cans; ice box hardware; large assortment of other collectibles.

**GUNS: Sell first at 10:00**  
Remington Wingmaster 80 16 ga.; 2. Stevens 16 ga 2 3/4" chamber; 3. Revelation model 350 series 7 12 ga 3" chamber; 4. CVA Mountaineer 50 cal black powder; 5. R.Famage 1952 bolt; 6. Daisy Rogers Ark. 177 cal BB; 7. JGA Karabiner 6 m/m; 8. Colt PTFA 45 revolver; 9. Czaska Zbrojovka AS Praze pistol w/holster; 10. Flintlock; Nazi dagger; military uniform.

**Notice:** There are many very nice pieces of furniture out of a Western Kansas home. There are also many collectibles. Check our web site for pictures at [www.thummelauction.com](http://www.thummelauction.com).

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# Auction Sales Scheduled

Online only auction — Bidding open now (ends 8/28) — equipment consignments at [ucgreatplains.hibid.com](http://ucgreatplains.hibid.com). Auctioneers: United Country Real Estate, Great Plains Auction & Real Estate.

Online auction (bidding begins August 15 with a soft close August 24) — Household furniture, household, collectible, garden tools, woodworking tools & wood-working shop table, print shop inventory & machines held online at [strosrealestateandauction.hibid.com/auctions/current](http://strosrealestateandauction.hibid.com/auctions/current). Auctioneers: Stroh's Auction.

August 21 — 376.90 m/l acres of Pratt County cropland held at Pratt for Joe & Marsha Johnson Trust. Auctioneers: Hamm Auction & Real Estate.

August 24 — Combines, loaders, construction, corn & grain heads, choppers, tractors, livestock & grain handling equipment, hay equipment & mowers, sprayers & fertilizer planting equipment, trucks, trailers & misc. at Cornlea, Nebraska for consignments. Auctioneers: Michael Wegener Implement, Inc.

August 24 — Real Estate: 1.45 acres and 6.04 acres zoned agriculture land held at Manhattan for Kansas State University. Auctioneers: Gannon Real Estate & Auctions.

August 24 — Antiques & collectibles at Belleville for Marge & Gene Waring. Auctioneers: Thummel Real Estate & Auction, LLC.

August 24 — 159.58 acres m/l of Barton County land held at Ellinwood for John Pflugi. Auctioneers: Midwest Land & Home, Mark Uhlík, Jeff Dankenbring.

August 26 — Furniture, coins, collectibles, Elvis items, tools & misc. at Junction City for Terpening & others. Auctioneers: Brown Real Estate & Auction Service, LLC.

August 26 — 488+ lots of Coins at Emporia. Auctioneers: Swift-N-Sure Auctions.

August 26 — Trucks,

tools, furniture, antiques, yard & misc. at St. George for Richard Powell Estate. Auctioneers: Crossroads Real Estate & Auction, LLC.

August 26 — Nice 4BR 3 1/2BA home on approx. 5 1/2 acres; 1948 Farmall Cub tractor, 1990 GMC Sierra 350 pickup, zero turn riding mower, riding mower, Cub Cadet, tools, equipment, coins, furniture, Hummel figurines, antiques at Silver Lake for Orville & Janet Martinek. Auctioneers: Gannon Real Estate & Auctions.

August 26 — Farm toys, collectibles inc. Sun 45 records "Johnny Cash" & "Jerry Lee Lewis," Coke collectibles, Sunbeam advertising, pottery, glassware, granite & much more at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

August 26 — Tractor, lawn mower, vintage collectibles & vintage glassware, vintage furniture & furniture, household, misc. at Lawrence for James "Vic" & Ruby Wells Estate. Auctioneers: Elston Auction.

August 27 — Guns, ammo, boats, lots of fishing equipment at Rossville for Kent & Donna Paine. Auctioneers: Gannon Real Estate & Auctions.

August 27 — Camper, mower, boat & tools, guns, household, collectibles at Salina for Don & Dorothy Plowman. Auctioneers: Thummel Real Estate & Auction, LLC.

August 28 — 186.49 m/l of Kansas farm & pasture land held at Ottawa for Robert S. & Betty J. Hill Trusts. Auctioneers: United Country Real Estate Crossroads Auction & Realty.

September 1 — Tractors, trucks, military trailers, portable corral, airplane & parts, hot air balloons, commercial sewing machines at Anthony for Herbert Wilcox Estate & Carol Wilcox. Auctioneers: Ken Patterson Auctions - RH Auctions.com

September 2 — Pickup, tools, garage, mower, etc., huge collection of Sports

Cards, Avon Exclusive Barbies by Mattel, more collectibles & household at St. Marys for Rey Morford Estate. Auctioneers: Murray Auction & Realty.

September 2 — Furniture, glass, antiques & collectibles at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

September 2 — Frederick's Consignment Auction at Falls City, Nebraska.

September 2 — Farm equipment auction at Salina for Jim & LaVonne Farney. Auctioneers: Omli & Associates, Inc.

September 3 — Real estate (16 ac. ± with 3/4BR 2BA ranch home, pond & building), pickups, household, tools, Hustler mower, etc. at Pomona for Pete Osborn. Auctioneers: Wayne Wischropp, Miller & Midyett Real Estate.

September 3 — Furniture, advertising & collectibles, guns at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

September 4 — Signs & advertising at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

September 4 — Harley Gerdes 22nd annual Labor Day Consignment Auction (farm & construction machinery items & much more) at Lyndon. Auctioneers: Harley Gerdes Auctions.

September 7 — 320 acres m/l in 2 tracts of Lincoln County, KS land held at Sylvan Grove for Beverly Ahlstedt Conservatorship. Auctioneers: Coldwell Banker Antrim Piper Wenger Realtors, Chris Rost, Mark Baxa.

September 9 — Furniture, antiques, primitives, collectibles, barber shop items, old telephone booth & more at Russell for Sandy & Sterling Smith. Auctioneers: Wolters Auction & Realty.

September 9 — Truck, equipment, livestock & supplies, lawn & garden, household & collectibles at Osawatomie for John & Lisa Rickey. Auctioneers: Eastern KS Auction Barn, Daryl Stottlemire & Ron Weatherbie.

September 9 — Tractors, trucks, combines, farm & livestock equipment & more at Victoria for John L. Brungardt Estate, Eileen Brungardt. Auctioneers: Rohleder Auction & Realty.

September 9 — Tools, collectibles, primitives, antique tractors, vehicle, pickup, household, furniture & more near Herington for Evelyn Strecker Estate. Auctioneers: Bob Kickhaefer.

September 9 — 4BR, 1 1/2BA bungalow on 38.76 acres held near Emporia. Auctioneers: Griffin Real Estate & Auction Service, LC.

September 9 — Large GM Parts Auction: 100s of engine blocks, heads, manifolds, carburetors, tools & high performance items held North of Abilene for John Rein Estate. Auctioneers: Reynolds Auction Service.

September 9 — Power equipment, trailers, metal lathe, welders, tools, generator, carport, welding table, iron, wood, stove, outdoor items, household, collectibles & more at Blue Rapids for Joe & Linda Haecker. Auctioneers: Donald Prell Realty & Auction, LLC.

September 9 — Real Estate & household at Waterville for LaVerna & (Tom) Arganbright. Auctioneers: Olmsted & Sandstrom.

September 9 — 100+ collectible farm toys inc. Caterpillar, John Deere, Farmall, International, die cast in box & more, 1947 Chevy pickup in restoration process, antiques & collectibles, shop tools & equipment, large variety of auto parts & more at Bennington for Chuck Johnson Estate. Auctioneers: Royce Bacon Auctions.

September 10 — Antiques, collectibles, shop tools, toys, lots of smalls at

Grass & Grain, August 22, 2017 Burlingame for Donna Barte. Auctioneers: Wischropp Auctions.

September 16 — Fully restored antique John Deere tractor on steel, antiques, Roseville pottery, collectibles of all kinds, antique tools at Wells for Mrs. Leroy "Maxine" Windhorst. Auctioneers: Reynolds Auction Service.

September 16 — Furniture, collectibles, golf cart, mowers, stock trailer, tools, tack at Lyndon for Gordon & Denise Farmer. Auctioneers: Wischropp Auctions.

September 16 — Real estate (3BR, 2 1/2BA home on 5 acres m/l) & personal property at Wamego for Delta Alt. Auctioneers: Crossroads Real Estate & Auction, LLC.

September 17 — Antiques, collectibles, furniture, appliances, glassware at Osage City for Mrs. Duane "Nona" Thompson. Auctioneers: Wischropp Auctions.

September 22 & 23 — Real estate (sells on 9-22), trailers, lift, tractor, vehicles (sell on 9-23) & business supply retirement auction at Emporia for Dieker's Trailer and RV Sales and Service. Auctioneers: Swift-N-Sure Auctions.

September 23 — Tractors, trailers, vehicles, farm & livestock equip., lawn & garden, trailers, 4-wheelers, tools, lumber, collectible farm items at New Strawn for New Strawn Consignment Auction. Auctioneers: Darwin Kurtz, Lyle Williams, Laverne Yoder, Lowell B. Platt, Gary Johnson.

September 23 — 423 acres m/l McPherson County cropland held at McPherson for LLZ, LLC. Auctioneers: Midwest Land & Homes, Jeff Dankenbring & Mark Uhlík.

September 30 — 35.2 acres m/l Ottawa County, KS native grass land with small pond, 2BR home, outbuildings & more held at Min-

neapolis for Kathrine Vass. Auctioneers: Midwest Land and Home, Mark Uhlík, Jeff Dankenbring.

September 30 — Farm machinery & tools East of Herington for Richard Visser retirement. Auctioneers: Bob Kickhaefer.

October 14 — 142.2 acres m/l of Dickinson County, KS land (farmland, older 3BR home) held at Chapman for Vera Mae Cregan Living Trust. Auctioneers: Midwest Land and Home, Mark Uhlík, Jeff Dankenbring.

October 14 — Judd Ranch 27th Annual Cow Power Gelbvieh, Balancer & Red Angus Female Sale at Pomona.

October 25 — Fink Beef Genetics Angus and Charolais Bull sale at Randolph.

October 28 — 540.25 acres m/l Marshall County land held at Marysville for CRW Ranch, LLC. Auctioneers: Midwest Land & Home, Jeff Dankenbring & Mark Uhlík.

November 10 — 160 acres m/l of land East of Vermillion for Cutting Estate. Auctioneers: Joe Horigan Realty & Auction Co.

November 16 — Clay County Real Estate for Helen Schurle Trust in Green, KS. Auctioneers: Greg Kretz.

March 6, 2018 — Bull sale at Lacrosse for Cornwell Farms.



**REAL ESTATE & PERSONAL PROPERTY AUCTION**  
**SATURDAY, AUGUST 26 — 10:00 AM**  
 4821 NW HOCH ROAD, SILVER LAKE, KANSAS

**REAL ESTATE (SELLS APPROX. 12 NOON):** Very Nice 4-Bedroom, 3 1/2 Bath Home on Approx 5 1/2 Acres; 1948 FARMALL CUB TRACTOR, 1990 GMC SIERRA 350 PICKUP, ZERO TURN RIDING MOWER, RIDING MOWER, CUB CADET, TOOLS, EQUIPMENT, COINS, FURNITURE, HUMMEL FIGURINES, ANTIQUES

See Aug. 8 Grass & Grain or website for details & listings!

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**AUCTION**  
**THURSDAY, AUGUST 24, 2017 — 4:30 PM**  
 Auction will be held in the 4H building at the Republic Co. Fairgrounds in the Northeast corner of BELLEVILLE, KS

**ANTIQUES & COLLECTIBLES inc.** Walnut 8' step back glass top china; oak curved glass secretary; "Hanslick" handmade coffee table; cherry music cabinet; oak wall mirror; The Bright no 8 Topsy stove; 1950s GE electric stove; walnut 3 pc. full bedroom set; asst. pictures (Indian Art, Windberg painting, Robert Anderson print & more); Seth Thomas kitchen clock; china "Old Woman in Shoe"; 6 place Noritake china; carnival pitcher; 2 "Armstrong Wood Works" handmade buggy's; costume jewelry; 6 handmade quilts; crocks.

See last week's Grass & Grain for listings & check our website for pictures [www.thummelauction.com](http://www.thummelauction.com)

**MARGE & GENE WARING**  
 Auction Conducted By:  
 THUMMEL REAL ESTATE & AUCTION LLC • 785-738-0067

**AUCTION**  
**SUNDAY, AUGUST 27, 2017 — 10:00 AM**  
 Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley, SALINA, KANSAS

**CAMPER:** 1994 Air Stream Land Yacht LE Series 30'; 1953 Larson cedar strip 17' wooden flat bottom boat w/trailer; Cub Cadet LTX 1046; **TOOLS:** air compressor; yard tools; Dewalt cordless drill; sanders; fishing supplies. **GUNS (sell first at 10 AM) & HOUSEHOLD:** Stevens 12 ga 2 3/4" chamber mdl 58; Mauser 98 Spandau 1911 Turkish 8 mm; Marlin Glenfield mdl 60; & MORE; pecan dining table/6 chairs; 4 pc. cherry BR set; handmade marble top table (marble from Cheyenne Wyoming capital); 60s couch, love seat & chair; Amish elec. fireplace; yarn; 4 pc. set Gucci luggage. **COLLECTIBLES:** Roy Rogers 10¢ comic; pictures inc.: Hershhal Logan, 1910 Orotone, Jim Arnes autographed & more; 1832 Charlotte Temple book; 1904 World's Fair postcard & medal; children's books; 8 pl. set German Moss Rose china; 18 German beer steins; Bavaria Bleinkrstell china; Blenko, German lead crystal, blue Delft; Mrs. Albee award dolls; Frankom; Fire King; handmade quilts; proof sets 1973-1996; German wooden ornaments; & MORE!

See last week's Grass & Grain for listings & check our website for pictures [www.thummelauction.com](http://www.thummelauction.com)

**DON & DOROTHY PLOWMAN**  
 Auction Conducted By:  
 THUMMEL REAL ESTATE & AUCTION LLC • 785-738-0067

**REAL ESTATE AUCTION**  
**TUESDAY, SEPTEMBER 5, 2017 • 6:00 PM**  
 LOCATION: 715 Kansas Avenue — ALMA, KANSAS

**DESCRIPTION:**  
 This cute 1 bedroom, 1 bath home sits on a nice lot and has a great location in the Alma community.

Contact Terri for a personal showing.

**TERMS:** Property sells AS IS, WHERE IS. 10% non-refundable down payment is required day of sale by check. Buyer must be able to close on or before October 6, 2017. Buyer needs bank letter of loan approval or funds verification. Cost of Title Insurance and Closing Costs to be split equally between Buyer and Seller. Seller reserves the right not to accept high bid. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the Seller.

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# National Sorghum Producers board re-elects officers and members

The National Sorghum Producers board of directors elected officers and re-appointed three individuals to the board last week during its annual August board meeting.

NSP board member Don Bloss of Pawnee City, Nebraska, was re-elected chairman and board member Dan Atkisson of Stockton, was re-elected vice chairman. Kendall Hodgson

of Little River was elected treasurer.

Additionally, Atkisson, Larry Dahlsten of Lindsborg and Tom Willis of Liberal were all re-elected to three-year terms on the board.

"These three gentlemen have been a huge asset to the NSP board of directors, each bringing in a wealth of leadership and knowledge," Bloss said. "We look forward to their continued

leadership in moving the sorghum industry forward."

Atkisson is a farmer and rancher in northwest Kansas and grows 500 acres of sorghum. He is an active member of many other boards in his state and region and was a member of Kansas Agricultural and Rural Leadership Class XI. Atkisson has helped bring producer energy to the board, which he feels is a critical component to future momentum during this pivotal stage in the sorghum industry.

Dahlsten is a sorghum producer from central Kansas. He is an active member of his community, region and state having served

on the Bethany Lutheran Church board, the Smoky Valley Rural Electric Cooperative Board and many others. He enjoys agriculture and the challenges and opportunities it presents and looks forward to continuing to serve and advance the sorghum industry.

Willis is the CEO of for Conestoga Energy Partners LLC and grows sorghum in southwest Kansas. He has, and will continue to, play an integral role in increasing the value of sorghum and communicating its potential as a feedstock to other producers.

Changes to the NSP board of directors are effective October 1, 2017.



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And we can Save the Wilderness! By keepin' people out!

By Audubon, you know I'm right! It's humans who be foul

The habitat of prairie dog, or elk and spotted owl.

A wall. We need a giant wall! At least 15 feet tall!

A simulated wilderness, man-made, au natural.

The next best thing to bein' there. We'll call it Wilderness!

A place where you can get moosed-out, get badgered, skunked or squirreled!

Immerse yourself in water fowl. Commune with ancient trees.

And though they seem so real to you, they're all fac-similes!

That's right, my friends, a Theme Park that's politically correct.

"No living thing was sacrificed to build this park for thee."

Imagine trees with concrete bark beneath a glassed-in dome.

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A carbonated geyser that awaits your beck and call,

Just put a quarter in the slot and watch the water fall!

See bullfrogs made of fiberglass and plastic dragons flies

And get the perfect snapshot 'cause they never blink their eyes!

Ceramic deer and pop-up wolves in thrilling lifelike scenes!

See automated leaping fish in bubbling brook machines!

Synthetic birds that lip-synch tunes and fly on hidden wires

While Bambi grazes Astro-turf on tiny rubber tires!

And finally, as a final treat, we've one last mem'ry planned,

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**Bobcat S570/S590 Skid-Steer Loader**  
• 61-66 hp, 1950-2100 lb rated operating cap, 68" wide, 10' dump height


Year	Make	Stock #	Options	Hours	Location	Regular Price	REDUCED
2015	S570	1108902	A71 SJC TS	475	Manhattan	\$41,874	<b>\$31,600</b>
2015	S590	1102868	A71 SC TS	245	Manhattan	\$43,702	<b>\$32,975</b>
2015	S570	1102869	A71 SJC TS	635	Manhattan	\$42,282	<b>\$31,925</b>
2015	S570	1102632	A71 SC TS	235	Manhattan	\$41,494	<b>\$31,325</b>
2015	S590	1100820	A71 SJC TS	704	Wichita	\$41,196	<b>\$31,100</b>
2015	S590	1104004	A71 SC TS	198	Manhattan	\$43,973	<b>\$33,180</b>
2015	S590	1108236	A91 SC	30	Manhattan	\$44,583	<b>\$33,650</b>
2015	S590	1098805	A71 SC TS	699	Garden City	\$39,938	<b>\$30,150</b>



**Bobcat S650 Skid-Steer Loader**  
• 74 hp, 2690 lb rated operating cap, 74" wide, 10' dump height


Year	Make	Stock #	Options	Hours	Location	Regular Price	REDUCED
2015	S650	1103415	A71 SJC TS	880	Manhattan	\$45,067	<b>\$34,200</b>
2015	S650	1108109	A71 SJC TS	640	Manhattan	\$46,990	<b>\$35,450</b>
2012	S650	1056314	A71 SC TS	1297	Wichita	\$37,075	<b>\$28,000</b>
2015	S650	1115991	A71 SC TS	750	Manhattan	\$45,095	<b>\$34,025</b>
2015	S650	1100008	H51 SC TS	660	Wichita	\$43,299	<b>\$32,950</b>
2015	S650	1104003	A91 SC	710	Garden City	\$45,265	<b>\$35,485</b>
2015	S650	1101270	A91 SJC	400	Wichita	\$46,082	<b>\$34,825</b>
2012	S650	1055526	A91 SC	1745	Garden City	\$37,875	<b>\$28,600</b>
2015	S650	1103416	A91 SC	560	Manhattan	\$50,286	<b>\$38,100</b>
2015	S650	1106334	A91 SJC	230	Manhattan	\$49,295	<b>\$37,175</b>





**Bobcat S750/S770 Skid-Steer Loaders**  
• 85-92 hp, 3200-3350 lb rated operating cap, 74" wide, 11' dump height

Year	Make	Stock #	Options	Hours	Location	Regular Price	REDUCED
2015	S750	1110988	A91 SC	230	Manhattan	\$59,475	<b>\$44,800</b>
2015	S770	1112651	A71 SC TS	375	Manhattan	\$58,795	<b>\$44,985</b>
2015	S770	1112538	A71 SC TS	475	Manhattan	\$59,950	<b>\$45,175</b>
2015	S770	1123847	A91 SJC	276	Wichita	\$54,450	<b>\$41,050</b>



**OPTIONS KEY**


**A71:** Cab H/AC, Power Bobtach, Sound Reduction  
**H31:** Cab w/ Heat Only  
**SJC:** Joystick Controls

**A91:** A71 plus High Flow, 2-Speed, Bucket Positioning, Block Heater  
**H51:** H31 plus Power Bobtach  
**SC:** Standard Controls (stick & pedal)

**H71:** H51 plus Sound Reduction  
**TS:** 2-Speed

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