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## Looking for 2010

### Deal to develop nitrogen use efficient wheat announced

By Bill Spiegel

In the latest in a series of research announcements related to wheat, two agriculture technology companies said recently that they will work together to develop and commercialize nitrogen use efficient (NUE) wheat.

Arcadia Biosciences, Inc., an agricultural technology company, and Vilmorin, the world's fourth-largest seed company, made the announcement late last month.

The companies said that the combination of Arcadia's NUE technology and Vilmorin's genetic resources enables the development of high-yielding wheat that could require about half the amount of nitrogen fertilizer as conventional crops, potentially offering significant economic benefits to growers and the potential to reduce greenhouse gas emissions that could qualify producers for offset credits if a cap-and-trade system is established.

Under the terms of the agreement, Vilmorin will receive privileged global rights to the use of Arcadia's NUE technology in wheat.

The companies said in a press release that not only is wheat the world's largest cultivated crop at more than 220 million hectares globally, but also the heaviest user of nitrogen fertilizer with 20 million tons applied annually, accounting for approximately 20% of total global nitrogen fertilizer use.

The Arcadia-Vilmorin announcement is yet another research effort that should ultimately lead to improved technology and greater profitability for wheat producers.

In the past year, a number of major technology providers have announced new efforts and renewed interest in wheat.

This summer, Monsanto announced it acquired WestBred, a Bozeman, Mont.-based company with extensive wheat germplasm assets, and would begin wheat breeding conventionally and eventually, using biotechnology. Bayer CropScience announced soon after that it would expand its seeds and traits business to include wheat and, to that end, formal-

*Continued on page 3*



Like children, animals are often a curious bunch. This group of young horses, photographed near Roxbury, were feeling their oats on a bright winter day as they frolicked and played in the field that had been covered with snow.

## New approach to tillage — go vertical

By Mary Lou Peter

There's a new trend in tillage equipment called "vertical tillage" and a Kansas State University scientist says it could also be described as "mulch till."

"The main objective of using vertical tillage is to break up surface soil compaction, or smooth out areas in a field with shallow (2-3") rills from water erosion or ruts and tire tracks from tractors, combines, grain carts, trucks, and other equipment," said DeAnn Presley, soil specialist with K-State Research and

Extension. "It also is used to help improve rainfall penetration by breaking up crusts." Vertical tillage equipment is used to lightly till the soil and cut up residue, mixing and anchoring a portion of the residue into the upper few inches of soil while still leaving large quantities of residue on the soil surface. This action helps speed residue decomposition, Presley said. The best description for vertical tillage is to call it a form of mulch-till, as it generally leaves more than 30 percent residue on the soil surface, yet creates nearly full-width disturbance on the soil surface. However, Presley said, if a hard rainfall occurs after the vertical tillage operation on a low-residue environment, it could have the opposite effect. Vertical tillage should only be used when the soil is dry enough to shatter; otherwise, it may create shallow compaction. This type of equipment tends to leave the soil somewhat fluffy, but not to the extent that a tandem disk will.

Several companies manufacture vertical tillage equipment, and none of the implements is exactly the same, although there are common features, she said. From a distance, many vertical tillage tools look similar to disks in that there are a series of round blades in a



In early November producers near Hugoton had the opportunity to see how the new tillage equipment worked in the field. Several manufacturers provided demonstrations.

gang on a toolbar. However, some models have blades individually mounted on springs, similar to a field cultivator. Offset disks are primarily used as primary tillage tools and tandem disks are usually used as a finishing tool. In contrast, most vertical tillage implements are used as a one-pass operation directly on crop residues prior to planting. One of the physical differences between the two types of implements is that tandem disk blades are more curved, go a little deeper into the soil profile, and turn up some soil as they go across the field. Vertical tillage blades are generally straighter,

more like coulters, and are often fluted. In fact, many manufacturers refer to the blades on vertical tillage implements as coulters. The degree of curvature and amount of fluting on the coulters varies by manufacturer, as does the angle of the gangs. The blades on vertical tillage implements typically go only a few (2 to 3) inches into the soil, and do not move much soil as the implement goes across the field. Vertical tillage implements have a slight to moderate smoothing effect, which is usually enhanced with smoothing bars, harrow tines or rolling baskets behind the disks, Presley said.

Again, the features available vary by manufacturer. Tandem disks create more draft and have a somewhat higher power requirement than vertical tillage equipment. Producers using a vertical tillage implement can usually go faster across the field, up to six to seven miles per hour, than when using a tandem disk.

"At K-State, we have begun to evaluate the effect that vertical tillage on corn stalks will have on subsequent soybean yield, soil bulk density, soil aggregate stability and water infiltration on various soil types in northeast Kansas," Presley said. "We have just one year's preliminary data,

working with David Hallauer, who is the Meadowlark District Extension agent. We need more data, from different types of soils and conditions, and on different initial residue levels, before drawing any conclusions."

She noted that K-State agronomists tested one model in 2009, but that they plan to test other models and types of vertical tillage implements in the future.

More information, including photos of examples of vertical tillage equipment is available on the K-State Agronomy Extension website: [www.agronomy.ksu.edu/extension](http://www.agronomy.ksu.edu/extension) and click on e-Updates/current topics.



A side-by-side comparison of the tillage practices. The right side has been prepared using new vertical tillage.



## Over the Barn Gate

By Beth Gaines-Riffel

What a year 2009 has been. There's been lots of chatter at coffee shops, elevators, post offices and anyplace else that farmers gather about what kind of year we've just experienced. I don't know that anyone would argue that we've had a bit of a roller coaster with good times mixed in with a few bad ones.

The crops and the weather probably have

been two of the things that producers around the region have been prone to cover at length. I can't say that I can remember a year that has been as unusual in terms of temperature or precipitation in recent years. We didn't worry too much about crops burning up in the fields, but instead wondered if it would dry out enough to first get the corn in ... and then this fall

dry out enough to get it out!

I know that there are a number of no-till growers that are going to have some challenges when it comes time to get in the field next spring because the ruts that they cut while harvesting the fall crops are significant, plain and simple.

Even now as December winds down, Mother Nature keeps bringing on the moisture — only this time in the form of snow (which as of this pre-Christmas writing all the experts are saying is on the way).

I have pictures from

when the boys were much smaller, of Karl climbing over snowdrifts in a bright purple snowsuit. And, for point of reference, he's been a Carhartt fan for at least 10 years, so that tells you how long it's been since we've had significant snowfall that was worthy of pictures!

Thinking back about other doozies of storms one can't forget the big ice event two years ago that left many to "rough" it for two weeks or more. Sure glad we haven't had a repeat of that event.

Even though that weather has been a challenge this year, it's also presented some tremendous opportunities. I was visiting with one of the Farm Management economists and he indicated that many of his clients were having some of their best

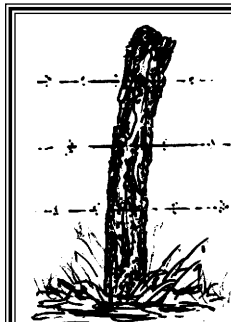
income years ever — as a result of strong prices combined with some above-average yields that were a direct result of adequate moisture during the growing season.

But the thing that I may remember most about this year is the feeling of political challenges that have been exposed and are continuing to grow. Climate change and the way that Congress chooses to address those concerns may have a significant impact on rural America and agriculture. As much as I wish that we could leave that challenge in 2009, there is no doubt that it will be charging on into next year as well.

The growing activist challenges — such as those raised by the Humane Society of the United States — are going to

continue to persist into 2010 and farm and ranch families are going to be forced to address this issue even louder than we did this year. While Ohio might have seemed like a million miles away, Missouri is our neighbor and I have a feeling that as Kansans, we are going to get a close-up view at what might be at stake when groups like the HSUS come knocking.

It really doesn't matter if there is good or bad in store, at least we have another year to raise the crops and tend to the stock. My calendar is fresh and I'm looking forward to everything that 2010 has in store. I wish you and yours the best for the coming year and I'll look forward to chatting with you, right here ... "Over the Barn Gate!"



## The Learning Post

By Gordon Morrison  
Concordia Rancher and  
Former Agriculture Educator

### A Gift That Must Be Protected

Gifts are a big part of Christmas, especially for the youth. However, America received a gift in 1776 on December 26 that her people have benefitted from for 233 years. I shall explain.

General George Washington, commander of the Continental Army, which numbered around ten thousand men, had engaged with the British at Long Island, New York, in August of 1776. His army, outnumbered and out-gunned, was defeated but was able to retreat to New Jersey.

In December the men, poorly equipped and demoralized, were feeling dejected and many were planning to leave for home in a few days, just as soon as their enlistment period was up on January 1, 1777. Washington's army had shrunk to about five thousand men, and he desperately needed a victory before more of his men left for home.

The British had a large force of Hessians (German soldiers whose country had been paid by Britain for their services) camped at Trenton, New Jersey, across the Delaware River from where the Continental Army was encamped. In planning his strategy, General Washington reasoned that the Hessians would celebrate Christmas on the 25th, stuffing themselves with food and drink before going to bed to sleep it off. Their commander did celebrate, thinking that Washington would not consider a battle in such harsh weather. The soldiers, perhaps thinking that this was not their country's war anyway, were no doubt glad to relax.

Winter had already set in, and the Delaware River separating the two armies was freezing over. The Continental Army had acquired a good number of rowboats that would hold around twelve men each. Very early the next morning, in the dark of night, they launched the boats; and in the cold and darkness began crossing the river, forcing the frozen chunks of ice aside so their boats could pass. On the far bank their boats slid onto the mud to allow the ragtag army to debark quietly and rally for the assault on the sleeping troops.

The Patriots were wet and cold but inwardly they were warm and strong of heart. They were ready for victory which had been slow in com-

ing. The plan of surprise attack was executed and in a short period of time Washington's army had won the battle and captured about nine hundred Hessians. The rest escaped except for those who were wounded or killed. The only casualties suffered by the Patriots were two who froze to death in crossing the river. The victory was so overwhelming that the men were greatly inspired; some who were planning to go home re-enlisted for extended duty.

More battles continued to be fought with our army having to retreat to fight again. During this time the Continental Army stayed loyal to General Washington because of their confidence in him. Finally, on October 19, 1781, the British under General Cornwallis with eight thousand men surrendered to end the fighting. France should receive some credit for our victory, for they came to our aid with their navy. While the thirteen colonies declared their independence on July 4, 1776, they had to continue to fight the British for several years in order to keep it.

This gift of freedom from oppression and unfair taxation without representation was given to us by farmers and shopkeepers who were willing to leave home to fight in the cold of winter, sometimes without shoes or adequate clothing and food and risking their lives, with many dying. For 233 years we have enjoyed this gift that has allowed us to become the most prosperous, generous, and innovative country on the face of this planet.

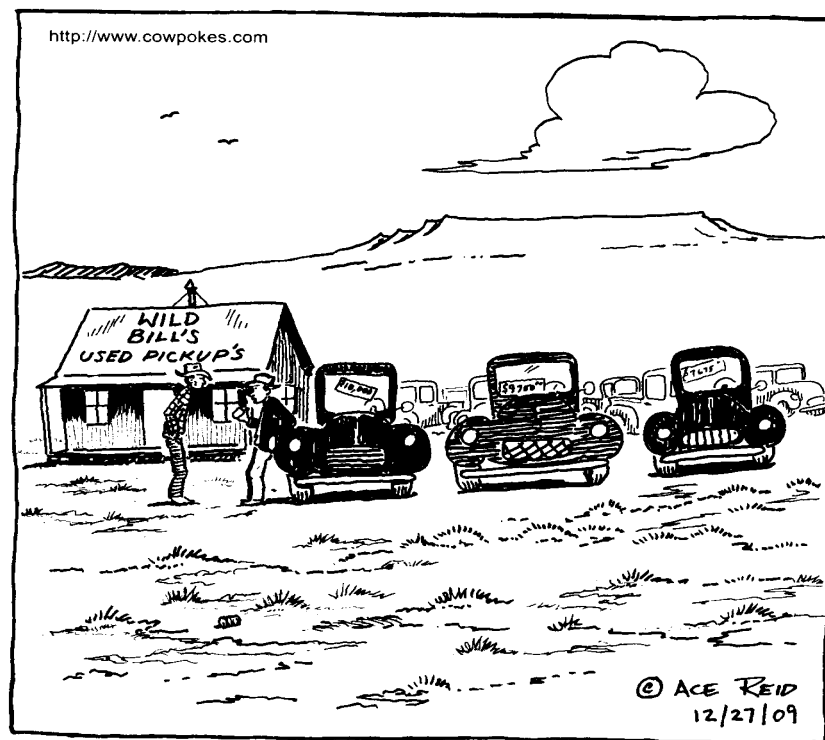
The value of this gift should not diminish with time, for the price was paid in full by our forefathers. However, over the years our people have had to fight numerous wars to protect this gift for future generations of Americans in order to preserve our liberties and greatness. Many are wondering what will be required of us to save this gift to pass on to generations to come and whether those who receive it will appreciate it, or will they take it for granted.

Note: The Hessians brought wheat straw from Germany for bedding, and the straw contained eggs that hatched into flies. This was our country's introduction to the Hessian fly that infests wheat and creates a lodging problem that has plagued U.S. wheat farmers for years.



### COW POKES®

By Ace Reid



"Here's a bargain, has low mileage cause it wuz drove only when I could git it started!"

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Editor — Beth J. Gaines-Riffel  
gandgeditor@agpress.com

— Advertising Staff —  
Steve Reichert Dennis Katzenmeier  
agpress2@agpress.com  
ggnewspaper@gmail.com

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# Experts address potential for wheat die-out during the winter

During the week of December 7-11, the northern half and western half of Kansas had some record-low temperatures of zero or significantly below zero. South central and southeast Kansas did not get as cold. The northern half of Kansas had good snow cover to protect the wheat. But southwest Kansas had little or no snow cover, with temperatures below zero in many areas. Will the wheat be damaged in those situations? The following are some

of the questions to consider when evaluating the potential for winterkill.

**How well has the wheat hardened off?**

When temperatures through fall and early winter gradually get colder, that helps wheat plants develop good winterhardiness. When temperatures remain unusually warm late into the fall then suddenly drop into the low teens, plants are less likely to have had time to harden properly and will be more susceptible to winterkill. This fall, temperatures have been cool, and have fallen off gradually. As a result, the wheat crop should be adequately hardened in most cases.

**How well developed is the root system?**

Poor root development is a concern where wheat was planted later than the ideal range of planting dates. Where wheat plants have a good crown root system and two or more tillers, they will have better winterhardiness. If plants are poorly developed going into winter, with very few secondary roots and no tillers, they will be more susceptible to winterkill or desiccation. Poor development of secondary roots may not be readily apparent unless the plants are pulled up and examined. If plants are poorly developed, it

may be due to poor seed-to-soil contact, dry soils, very low pH, insect damage, or other causes

**How cold did the soil get at the crown level?**

This depends on snow cover and moisture levels in the soil. Winterkill is possible if soil temperatures at the crown level (about one inch deep) get down into the single digits. If there is at least an inch of snow on the ground, the wheat will be protected and soil temperatures will usually remain above the critical level. Also, if the soil has good moisture, it's possible that soil temperatures at the crown level may not reach the critical level even in the absence of snow cover. But if the soil is dry and there is no snow cover, there may be the potential for winterkill, especially on exposed slopes or in low-lying areas, depending on the condition of the plants. Air temperatures below -10 degrees can certainly reduce soil temperatures below critical levels when the soil is dry and there is no snow cover.

**Is the crown well protected by soil?**

If wheat is planted at the correct depth, about 1.5 to 2 inches deep, and in good contact with the soil, the crown should be well protected by the soil from the

effects of cold temperatures. If the wheat seed was planted too shallowly, then the crown will have developed too close to the soil surface and will be more susceptible to winterkill. Also, if the seed was planted into loose soil or into surface residue, the crown will be more susceptible to cold temperatures and desiccation.

**Is there any insect or disease damage to the plants?**

Damage from winter grain mites, brown wheat mites, fall armyworm, and crown and root rot diseases can weaken wheat plants and make them somewhat more susceptible to injury from cold weather stress or desiccation. 5 Plants may also die during the winter not from winterkill, but from the direct effects of a fall infestation of Hessian fly. Many people are familiar with the lodging that Hessian fly can cause to wheat in the spring, but fewer recognize the damage that can be caused by fall infestations of Hessian fly. Wheat infested in the fall often remains green until the winter when the infested tillers gradually die. Depending on the stage of wheat when the larvae begin their feeding, individual tillers or whole plants can die. If the infestation occurs before multi-

ple tillers are well established then whole plants can die. If the plants have multiple tillers before the plants are infested then often only individual tillers that are infested by the fly larvae will die. The key to being able to confirm that the Hessian fly is the cause of the dead tillers is to carefully inspect the dead plants or tillers for Hessian fly larvae or pupae. This can be done by carefully removing the plant from the soil and pulling back the leaf material to expose the base of the plant. By late winter all of the larvae should have pupated and thus the pupae should be easily detected as elongated brown structures pressed against the base of the plant. The pupae are fairly resilient and will remain at the base of the plant well into the spring. If significant levels of Hessian fly are detected then the producer will potentially need to be concerned about spring infestation levels. But more importantly, the producer should begin planning for future management decisions, beginning mainly with next year's crop. The important management practices to adopt include: destruction of volunteer wheat, delayed planting, and avoiding planting wheat back into infested wheat stubble.

## Crop could make better use of resources

*Continued from page 1*

ized a long-term partnership with CSIRO, Australia's national research organization and a leading wheat researcher.

In October 2008, Syngenta announced it had acquired Resource Seeds, Inc. (RSI) as part of its acquisition of RSI's flower seeds parent company, Goldsmith Seeds, Inc. This August, the Syngenta Foundation for Sustainable Agriculture announced a two-year public-private partnership between Syngenta and CIMMYT to rapidly identify and map genetic markers for use in resistance breeding against Ug99 stem rust.

IGC Projects World Wheat Acreage Will Fall

Meanwhile, the International Grains Council forecasts a decrease in the world plantings of wheat in the 2010-11 crop.

In its latest Grains Market Report, the IGC forecasts a 1% reduction in global wheat plantings, down from 223.5 million hectares to 222 million hectares. The IGC anticipates lower production for the U.S. and Russia - two of the world's largest exporters.

According to the IGC, U.S. planted acreage will decrease by 2.5% overall and winter wheat, down 4.0%. Lower prices are the main factor discouraging wheat planting in the U.S., although a late fall harvest disrupted wheat planting for many farmers.

Winter wheat production in Canada also may fall. Eastern Canadian producers experienced soybean harvest delays that reduced wheat plantings to an estimated 0.3 million hectares, down from 0.4 million hectares last year. In Russia and the Ukraine, winterkill will decrease the harvested area and in China, the largest wheat-producing country in the world, freezing temperatures in the north could damage the crop.

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8:30 AM	Registration and Exhibits
9:00 AM	Kansas State University Extension Panel "Soybean Update"
10:00 AM	Morning Session - Policy
11:15 AM	Keynote Speaker Mark Mayfield, Comedian, and Author "Momma Told Me There'd Be Days Like This"
12:00 PM	Luncheon American Soybean Association Update Awards and Recognition Kansas Soybean Association Annual Meeting
2:15 PM	Afternoon Session - Planning for the Future LaVell Winsor, Farm Analyst Department of Economics, KSU Research & Extension "Estate Planning, Taxes, Trusts and Wills"
3:30 PM	Reception

## For the schedule of speakers and programs visit the Kansas Soybean website at:

<http://www.kansassoybeans.org> or call 800-328-7390 to register



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Edith Penner, Hillsboro, Wins Final Recipe Contest Of The Year

Winner Edith Penner, Hillsboro:  
**CRESCENT ROLL APPLES**  
1 can crescent rolls  
2 apples, peeled & quartered  
1/2 cup sugar  
1 stick margarine or butter  
Cinnamon to taste  
1 can Mountain Dew (I use diet)  
Wrap each quartered apple in section of crescent roll and place in deep 8-by-8-inch baking dish. Heat together sugar, butter and cinnamon, pour mixture over rolls. Pour can of Mountain Dew over all and bake in 350-degree oven for 45-50 minutes.

Sabra Shirrell, Tecumseh:  
**SUGAR SNAP PEAS WITH PECANS**  
1 1/4 pounds sugar snap peas, trimmed  
3 tablespoons butter  
1/2 cup pecan pieces  
Salt & pepper  
In a large saucepan of boiling salted water, cook the peas until crisp-tender, about 2 minutes then drain. In a large heavy skillet heat the butter until golden brown and fragrant, about 1 to 3 minutes. Add the pecans and cook, stirring until lightly toasted for 2 to 3 minutes. Stir in the peas and cook until heated through. Season with salt and pepper.

Jan Schoshke, Brookville:  
"This is great for leftover ham and can be frozen to have on hand for unexpected company."  
**HAM & CHEESE CASSEROLE**  
3/4-pound egg noodles (12

ounces frozen), cooked (I have used dry noodles too)  
1 1/2 pounds ham, cooked & cut into bite-size pieces (3 cups)  
2 can cream of chicken soup  
1/2 cup milk  
2 cans green beans, drained  
1/4 teaspoon pepper  
1/4 cup butter or oleo, melted  
3/4 cup shredded co-jack cheese (or your choice)  
Preheat oven to 350 degrees. Grease a 9-by-13-inch baking dish. Drain and rinse cooked noodles. Combine soup with milk. Mix in ham and green beans and pour over noodles. Stir and place in baking dish. Drizzle with melted butter. Sprinkle cheese over top. If thawed, bake 30 to 35 minutes at 350 degrees. If frozen, bake 1 hour and 45 minutes at 350 degrees. Serves 10 to 12.

Joyce Jandera, Hanover:  
"My family likes homemade ice cream in the winter. I

came across this recipe in a magazine and we like it really well."  
**GRAHAM CRACKER ICE CREAM**  
2 cups sugar  
2 cups finely crushed graham crackers  
5 cups 2% milk  
3 cups heavy cream or half & half  
1 tablespoon vanilla  
1/2 teaspoon almond extract  
Mix sugar and graham cracker crumbs. I use a food processor to make crumbs. Add milk, heavy cream and extracts. Mix well and pour into ice cream freezer container. Mix according to manufacturer's directions on ice cream freezer. Enjoy!

Lois Lahodny, Belleville:  
**SPICED PUMPKIN FUDGE**  
2 cups granulated sugar  
1 cup packed light brown sugar  
3/4 cup (1 1/2 sticks) butter  
2/3 cup evaporated milk  
1/2 cup pumpkin  
2 teaspoons pumpkin pie spice  
2 cups (12-ounce package) white morsels  
7-oz. jar marshmallow creme  
1 cup chopped pecans  
1 1/2 teaspoons vanilla extract  
Line a 9-by-13-inch baking pan with foil. Combine sugar, brown sugar, evaporated milk, pumpkin, butter and spice in medium, heavy-duty saucepan. Bring to a full rolling boil over medium heat, stirring constantly. Boil, stirring constantly, for 10 to 12 minutes or until candy thermometer reaches 234 to 240 degrees (soft-ball stage). Quickly stir in morsels, marshmallow creme, nuts and vanilla extract. Stir vigorously for 1

minute or until morsels are melted. Immediately pour into prepared pan. Let stand on wire rack for 2 hours or until completely cooled. Refrigerate tightly covered. To cut, lift from pan; remove foil. Cut into 1-inch pieces. Makes 48, 2 piece servings.  
Fred Engler, El Dorado:  
"These cookies will melt in your mouth."  
**PECAN PEPPERMINT COOKIES**  
1 cup butter-flavored shortening  
1/2 cup powdered sugar  
1/2 teaspoon peppermint extract  
1 1/4 cups all-purpose flour  
1/2 cup cornstarch  
Frosting:  
1 1/2 cups powdered sugar  
2 tablespoons butter-flavored shortening  
1 to 2 tablespoons milk  
2 to 3 drops red food coloring  
1/2 cup pecans, chopped small for topping  
In a large bowl beat shortening, powdered sugar and peppermint extract with hand mixer on medium. Reduce speed to low and gradually add flour and cornstarch. Beat until well mixed. Wrap and refrigerate until firm, about 2 hours. Shape into 1-inch balls by wetting hands to prevent sticking and place on ungreased cookie sheets about 2 inches apart and press down slightly. Bake in preheated oven at 350 degrees for 12 to 15 minutes or until edges are slightly brown. Let stand until cool, about 10 minutes. Prepare frosting by mixing powdered sugar, shortening, milk and food coloring in a small bowl. Frost cookies then turn upside down and

press into pecans in flat pan. Makes about 20 cookies.

Noel L. Miller, Maple Hill, KS:  
**GUACAMOLE APPETIZER SQUARES**  
(2) 8-ounce tubes refrigerated crescent rolls  
1 1/2 teaspoons taco seasoning  
1-pound package sliced bacon  
8-ounce package cream cheese, softened  
1 1/2 cups guacamole  
3 plum tomatoes, chopped  
3.8-ounce can sliced ripe olives, drained  
Unroll both tubes of crescent dough and pat into an ungreased 15-by-10-inch baking pan; seal seams and build up edges (like for a pizza). Prick dough with a fork; sprinkle with taco seasoning. Bake at 325 degrees for 10-12 minutes or until golden brown. Cool completely on a wire rack. In a large skillet, cook bacon over medium heat until crisp. Using slotted spoon, remove crisp bacon to paper towels to drain. In a small bowl beat cream cheese and guacamole until smooth. Spread cream cheese mixture over cooled crust. Sprinkle with bacon, tomatoes and olives. Refrigerate until ready to serve. Then cut into squares and serve. Yields about 3 dozen cold appetizer squares.

Sharon Henning, Glasco:  
**DRIED BEEF CASSEROLE**  
1 can cream of chicken soup  
1 cup milk  
1 cup chopped Velveeta cheese  
1 cup uncooked macaroni  
3 teaspoons chopped onion  
1 package dried beef (I always get it from the locker plant)  
Stir soup to a creamy texture and add rest of ingredients. Bake at 375 degrees covered for 1 hour.  
Geneva Siefker, McPherson: "This is good served cold with cheese and crackers."  
**SUMMER SAUSAGE**  
2 pounds hamburger  
1 cup water  
2 tablespoons Morton's TenderQuick  
1 1/2 teaspoons liquid smoke flavoring  
1/4 teaspoon onion powder  
1/4 teaspoon garlic powder (I add a little more)  
1/2 teaspoon salt & pepper  
Mix all ingredients and form into 3 oblong rolls. Wrap in plastic wrap (do not use foil) and refrigerate for 24 hours. Remove wrap and place on broiler pan. Bake 1 hour and 45 minutes at 300 degrees. Cool. Rewrap in plastic wrap and refrigerate. TenderQuick should not be confused with tenderizer.

Shirley Deiser, Kanopolis:  
**POTATO SUPREME**  
8 to 10 medium potatoes, peeled & cubed  
1 can cream of chicken soup, undiluted  
1 cup sour cream  
3 cups shredded cheese  
3 green onions, chopped  
Salt & pepper to taste  
Combine soup, cheese, sour cream, onions, salt and pepper. Stir in potatoes. Put in a 9-by-13-inch baking pan and bake at 350 degrees for 25 to 30 minutes.

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**Jackie Meuli, Hope:**  
**HAWAIIAN MEATBALLS**  
1 1/2 pounds lean ground beef  
1 egg  
2/3 cup cracker crumbs  
1 1/2 teaspoons salt  
1/3 cup minced onion  
1/4 cup milk  
2 tablespoons cornstarch  
1 tablespoon shortening  
1/2 cup brown sugar  
1/4 teaspoon ginger  
13 1/2-ounce can pineapple tidbits, drained  
1/2 cup vinegar  
1 tablespoon soy sauce  
1/3 cup green pepper, chopped

Mix together ground beef, cracker crumbs, onion, egg, salt, ginger and milk. Shape by rounded tablespoonfuls into balls. Melt shortening in a large skillet and add meatballs. Brown and cook through. Remove from skillet, keep warm. Pour fat from skillet. Mix cornstarch and brown sugar together. Stir in reserved pineapple syrup, vinegar, and soy sauce, mix until smooth. Pour into the skillet, cook over medium heat, stirring constantly, until mixture thickens and boils. Boil and stir for 1 minute. Add meatballs, pineapple tidbits, and green pepper, heat through. Meatballs can be kept warm in a crock-pot set on low heat.

\*\*\*\*\*

**Joann Bollier, Minneapolis:**  
**FANTASTIC FRESH STRAWBERRY PIE**  
1 baked deep dish pie shell  
1 cup sugar  
3 heaping tablespoons flour  
3-ounce package strawberry gelatin  
1 cup boiling water

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1-quart sliced strawberries  
Whipped topping  
Mix together sugar, flour and gelatin. Pour into 1 cup boiling water and stir until thick. Pour over sliced strawberries and put in baked shell. Chill. Top with whipped topping and serve.

\*\*\*\*\*

**Marjorie Gray, Peabody:**  
**REFRIGERATOR POTATO ROLLS**

1 package dry yeast  
1/4 cup warm water (110-115 degrees)  
2/3 cup shortening or butter  
1/2 cup sugar  
2 teaspoons salt  
1 cup hot mashed potatoes  
\*1 cup hot potato water  
3 eggs, beaten  
7 to 7 1/2 cups bread flour, divided  
1 1/4 teaspoons grated lemon zest

Dissolve yeast in water; set aside. In a large bowl combine shortening or butter, sugar, salt, potatoes and potato water; let cool to lukewarm. Add yeast, eggs, 2 cups flour and lemon zest. Beat 2 minutes. Gradually add enough remaining flour to make soft dough. Knead until smooth and elastic, 10 to 12 minutes by hand or dough hook. Place in lightly oiled bowl, turning to coat. Cover and let rise until double. Punch down dough,

cover and let rest 10 minutes. Shape into rolls. Cover and let rise until double. Bake 13 to 14 minutes in a 400-degree oven. Remove rolls and cool on wire racks. Makes 36 rolls.

**NOTE:** After kneading the dough it may be placed in a sealable bowl and refrigerated for 1 to 2 days. Punch down dough as necessary.

\*Note: 1 cup prepared instant potato flakes may be substituted for the mashed potatoes. When preparing with instant potatoes, omit salt and butter in recipe. Replace the potato water with 1 cup lukewarm water.

\*\*\*\*\*

**Karen Saner, Burns:**  
**LEMON PIE**

9-inch baked pie crust  
1 1/4 cups sugar  
6 tablespoons cornstarch  
1/4 teaspoon salt  
1 1/2 cups water  
3 egg yolks  
1/3 cup lemon juice  
2 teaspoons grated lemon rind  
1 tablespoon butter

Combine sugar, cornstarch, salt and water in a saucepan. Cook until thick and clear, stirring constantly. Beat together egg yolks and lemon juice. Add small amount of hot mixture to

yolks first then stir into custard and cook until mixture comes to a full boil again. Remove from heat and stir grated lemon rind and butter into the pudding and pour into pie crust. Top with meringue or whipped cream.

\*\*\*\*\*

**Florene Ringler, Emporia: "Very good."**

**PEANUT BUTTER OAT BARS**

2/3 cup butter or oleo, melted  
1/4 cup peanut butter  
1 cup brown sugar  
1/4 cup light corn syrup  
1/4 teaspoon vanilla  
4 cups quick oats

**Topping:**  
1 cup chocolate chips  
1/2 cup butterscotch chips or chocolate  
1/3 cup peanut butter  
**Note:** Does not contain flour.

In a mixing bowl combine the butter (or oleo), peanut butter, brown sugar, corn syrup and vanilla; gradually add the oats. Press into a greased 9-by-13-inch baking pan and bake at 400 degrees for 12 to 14 minutes or until edges are golden brown. Cool on a wire rack for 5 minutes. Meanwhile, for topping, melt chips and peanut butter in microwave or saucepan. Stir

until blended; spread over warm bars. Cool completely; refrigerate for 2 to 3 hours before cutting. Yields: 4 dozen.

\*\*\*\*\*

**Lynn Burgess, Lyons:**  
"For light, fluffy biscuits try homemade baking powder. Sift 1/2 cup cream of tartar with 2 tablespoons baking soda 3 times. Store 6-8 weeks in tightly sealed jar at room temperature, away from sunlight."

**ICE BOX BISCUITS**

1 package active dry yeast  
1/4 cup warm water (105 to 115 degrees)  
5 cups all-purpose flour  
1 tablespoon baking powder  
1 teaspoon baking soda  
1/2 cup granulated sugar  
1 tablespoon kosher salt  
1/4 cup lard, chilled, or 1/2 cup shortening plus 1/4 cup butter, chilled

2 cups buttermilk, chilled  
3 tablespoons melted butter  
Preheat oven to 450 degrees. Dissolve yeast in the warm water, let stand 5 minutes. In bowl combine flour, baking powder, baking soda, sugar and salt. Whisk to mix well. Using your fingers, quickly work chilled lard into dry ingredients until flour mixture resembles large peas. Stir in dissolved

yeast and buttermilk; mix just until well blended. Turn dough onto floured surface; knead 6 or 7 times. Roll out to 1/2-inch thickness. Pierce rolled dough completely through at 1/2-inch intervals with floured dinner fork. Cut out biscuits with 2 1/2- to 3-inch cutter, taking care not to twist cutter, which will seal the sides of biscuit and inhibit rising. Place biscuits on greased baking sheet, about 1/2 inch apart. Cover with tea towel; let rise 30 to 45 minutes, until almost doubled. Bake in preheated oven 10 to 12 minutes, rotating pan halfway through baking until biscuits are golden brown. Remove from oven. Brush generously with melted butter. Serve hot. Makes about 2 1/2 dozen biscuits.

\*\*\*\*\*

**Edith Penner, Hillsboro:**  
**CHOCOLATE DESSERT CAKE**

Bake a chocolate cake from mix in a 9-by-13-inch pan. Cool, then prepare a small box of instant chocolate pudding and spread over the cake. Top with a small container of whipped topping and garnish with grated Hershey bar or Heath bits.

\*\*\*\*\*



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Millie Conger, Tecumseh:  
**CRANBERRY CHICKEN**  
Nonstick spray  
10 skinless boneless chicken breast halves  
16-ounce can whole cranberry sauce  
1 cup bottled French salad dressing  
1/2 cup orange juice  
1 envelope onion soup mix  
1/2 teaspoon salt  
5 cups hot cooked brown rice  
Orange wedges, for garnish  
Lightly coat a 9-by-13-inch baking dish with spray. Arrange chicken in dish. In a bowl combine cranberry sauce, salad dressing, orange juice, onion soup mix and salt. Evenly pour over chicken breasts. Cover and refrigerate 8 hours or overnight. Bake uncovered in a 350-degree oven for 45 to 50 minutes or until chicken is no longer pink. Serve with brown rice. Garnish with orange wedges.

Mary Rogers, Topeka:  
**BLUEBERRY CRUNCH CAKE**  
20-ounce can crushed pineapple in juice  
21-ounce can blueberry pie filling  
1 box butter recipe yellow cake mix  
1 cup chopped pecans  
3/4 cup butter, melted  
Preheat oven to 350 degrees. Pour pineapple with juice into a 9-by-13-inch baking dish. Spread evenly over bottom of dish. Spoon pie filling evenly over pineapple. Sprinkle dry cake mix over pie filling and level with a fork. Sprinkle pecans evenly over cake mix and drizzle with melted butter. Bake for 35 to 45 minutes or until browned and bubbly.  
Note: The blueberry pie filling can be substituted

with strawberry, cherry or peach  
\*\*\*\*\*  
Sandy Hill, Eskridge: "If you're like me I had lots of green tomatoes so I canned the green tomatoes to use all year long. A mock apple pie, this is really good."  
MOM'S  
**GREEN TOMATO PIE**  
3 1/2 cups peeled & sliced green tomatoes  
3 tablespoons butter or margarine  
6 tablespoons lemon juice  
1 1/4 cups sugar  
3 tablespoons flour  
1/4 teaspoon salt  
1 teaspoon cinnamon  
1/2 teaspoon nutmeg  
1/4 teaspoon cloves  
Double the pastry crust  
Saute the tomatoes in the butter and lemon juice until just tender. Combine tomatoes with sugar, flour, salt and spices. Line a 9-inch pie pan with pastry. Pour in filling and dot with butter and cover with top crust. Bake at 450 degrees for 10 minutes then reduce to 350 degrees and bake until crust is brown (about 35 to 40 minutes).

Kellee Rogers, Topeka:  
**LITTLE PIGS IN PUFF PASTRY**  
1 large egg  
1 tablespoon water  
17.3-ounce package puff pastry sheets, thawed  
2/3 cup hot dog relish  
32 cocktail wieners (Lil Smokies)  
Preheat oven to 400 degrees. Line baking sheets with parchment paper. In a small bowl whisk together egg and water. Unfold 1 pastry sheet on a lightly floured surface. Roll pastry sheet into a 12-inch square. Cut into (16) 3-inch squares. Spoon about 1 teaspoon relish in center of

each square. Place 1 cocktail wiener diagonally on top of relish. Brush edges of squares with egg mixture. Fold 2 opposite corners to the center over wiener and pinch firmly to seal. Repeat procedure with remaining puff pastry sheet, relish and cocktail wieners. Place filled pastries on baking sheets. Bake 15 minutes or until pastries are golden brown.  
\*\*\*\*\*  
Lynn Burgess, Lyons:  
**PEANUT SOUP**  
1/2 cup roasted peanuts  
3 cups beef broth  
1 cup half & half (milk & cream)  
1/2 teaspoon chili powder  
1/2 teaspoon salt  
Blend peanuts with 1 cup broth in an electric blender until smooth. Pour into a saucepan and add all remaining ingredients. Bring to a boil, reduce heat to simmer, and cook slowly for 15 minutes. Serve with a dab of whipped cream on top and garnish with thin slices of cucumber or radishes. Serves 4.

Mary Rogers, Topeka:  
**BACON CHEDDAR PINWHEELS**  
1 can crescent dinner rolls  
2 tablespoons ranch dressing  
1/4 cup cooked real bacon pieces  
1/2 cup finely shredded cheddar cheese  
1/4 cup chopped green onions  
Heat oven to 350 degrees. Unroll dough and separate into 2 long rectangles, press each into 12-by-4-inch rectangle, firmly pressing perforations to seal. Spread dressing over each rectangle to edges. Sprinkle each with bacon, cheese and onions. Starting with one short side, roll up each rectangle, press

edge to seal. With knife cut each roll into 8 slices; place cut side down on ungreased cookie sheet. Bake 12 to 17 minutes or until edges are golden brown. Immediately remove from cookie sheet and serve warm.  
\*\*\*\*\*  
Sabra Shirrell, Tecumseh:  
**STUFFED MUSHROOMS**  
24 fresh mushrooms  
1/4 cup zesty Italian dressing  
1/2 cup cooked crumbled Italian sausage  
1/2 cup shredded mozzarella cheese (low moisture kind)  
Heat broiler. Remove and discard stems from mushrooms. Brush mushroom caps with dressing; place top sides down on rack of broiler pan. Broil 5 minutes. Press sausage into mushrooms caps adding about 1 teaspoon sausage to each cap. Sprinkle with cheese. Broil 3-5 minutes or until cheese is melted.

Joyce Jandera, Hanover:  
"This is an old recipe I've made for 50 years and they ask for them again. They don't last very long!"  
**GOLD FROSTED BARS**  
1 cup butter or margarine  
1/2 cup brown sugar  
1/2 cup granulated sugar  
3 egg yolks, beaten slightly  
1 tablespoon water  
1 teaspoon vanilla  
1 teaspoon baking powder  
2 cups all-purpose flour  
1/2 teaspoon soda  
1/2 teaspoon salt  
6-ounce package semisweet chocolate chips  
Topping:  
3 egg whites  
1 1/2 cups brown sugar  
Cream butter, brown sugar and granulated sugar together. Add egg yolks, water and vanilla. Sift together baking powder, flour,

soda and salt and add to creamed mixture. Makes a stiff dough. Pat out in a greased 10-by-14-by-1-inch cookie sheet. Spread evenly with chocolate chips and press chips into dough and spread with the cream topping. To prepare topping, mix egg whites and brown sugar and beat until stiff. Bake at 350 degrees for 30 minutes. Cool thoroughly before cutting into bars. Makes 36 bars.  
\*\*\*\*\*  
Jackie Meuli, Hope:  
**LITTLE SMOKY WRAPS**  
14-ounce package beef Little Smokies  
1 pound package bacon  
12 ounces pitted dates, sliced lengthwise  
Cut bacon slices into thirds. Lay each little smoky in a sliced date and wrap with one-third of a bacon slice. Secure each appetizer with a toothpick and place on a cookie sheet. Bake at 400 degrees for 15-20 minutes or until golden brown. Serve warm. Yield: approximately 45 appetizers.

Shirley Deiser, Kanopolis:  
"This has a really good flavor."  
**PORK & SAUERKRAUT STEW**  
(2) 14-ounce cans sauerkraut, drained  
3 pounds country-style pork ribs  
4 cups cabbage, shredded  
2 cups onions, coarsely chopped  
2 tablespoons brown sugar, packed  
2 tablespoons Worcestershire sauce  
1 1/2-ounce package onion soup mix  
1 teaspoon caraway seed  
1 1/2 cups water

1 1/2 pounds potatoes, peeled & sliced  
Spread sauerkraut in a large Dutch oven. Add pork, cabbage and onion; set aside. In a medium bowl stir together remaining ingredients, except potatoes, and add to Dutch oven. Bring to a boil over medium-high heat. Reduce heat and simmer for 2 1/2 hours, stirring occasionally. Add potatoes, cover and continue to simmer until potatoes are tender. Serves 6.  
\*\*\*\*\*  
Joann Bollier, Minneapolis:  
FAYE'S  
**CRANBERRY SALAD**  
1 quart ground cranberries  
2 cups sugar  
Rind of 1/2 orange  
1/2 cup orange juice or juice of 1 orange  
2 package raspberry gelatin dissolved in 3 1/2 cups water  
1 cup celery, chopped  
1 cup nuts  
Mix cranberries, sugar, rind and juice and let stand overnight. The next morning add the gelatin, celery and nuts. Mix well and refrigerate.

Karen Saner, Burns:  
**SLOPPY JOES**  
1 pound hamburger  
1/4 cup chopped onion  
1 tablespoon Worcestershire sauce  
2 tablespoons brown sugar  
1 tablespoon vinegar  
1 teaspoon prepared mustard  
1 cup tomato juice or 1/2 cup ketchup  
1 teaspoon salt  
Brown hamburger and onion. Add the rest of the ingredients and simmer for 15-30 minutes. Serve in 6-8 hamburger buns. If the mixture is too juicy, sift in a small amount of flour while stirring vigorously.

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Florene Ringler, Emporia: "Recipe from a good friend who had them for her delicious Thanksgiving dinner."

#### PICKLED PEACHES

4 cups sugar  
2 tablespoons stick cinnamon  
2 cups white vinegar  
2 tablespoons whole cloves  
4 pounds fresh peaches, peeled, pitted & sliced

Combine sugar, vinegar and spices. Boil 10 minutes. Pack peaches in a container and fill with the above mixture.

**NOTE:** I used 2 cans peach halves, 29 ounces each, drained and made half of the recipe.

To can: Pack peaches into hot sterile 1 pint jars to within 1 inch of the rim. Fill each jar with syrup to within 1/2 inch from the top. Wipe rims with a clean dry cloth, and seal with new lids and screwbands. Process in a hot water bath for 10 minutes.

\*\*\*\*\*

Sandy Hill, Eskridge:  
**STREUSEL TOPPED  
PUMPKIN PIE**

9-inch pie crust

Filling:

2 eggs, beaten  
1/2 cup granulated sugar  
16-ounce can pumpkin (not pumpkin pie mix)

12-ounce can evaporated milk  
1 teaspoon ground cinnamon

1/2 teaspoon salt

1/2 teaspoon ground ginger

1/8 teaspoon ground cloves

Topping:

1/2 cup quick-cooking oats  
1/2 cup brown sugar

1/4 cup butter or margarine, softened

Heat oven to 425 degrees. Place pie crust in a 9-inch glass pie plate. In a large bowl beat all filling ingredients with hand beater or wire

whisk until blended. Pour filling into pie crust-lined pie plate. Bake 15 minutes. Remove pie from oven, reduce oven temperature to 350 degrees. Cover crust edge with 2- or 3-inch wide strips of foil to prevent excessive browning. Bake 35 minutes. Meanwhile, in a small bowl mix topping ingredients with fork until crumbly; set aside. Sprinkle topping over pie. Bake about 10 minutes longer or until knife inserted in center comes out clean. Cool on rack for 30 minutes. Refrigerate about 4 hours or until chilled before serving. Makes 8 servings. Keep pie in refrigerator.

\*\*\*\*\*

Edith Penner, Hillsboro:  
**FRIED RICE**

3 cups cooked rice

1 or 2 eggs

3 carrots, shredded

1 cup meat, bacon, leftover roast, sausage or chicken, small pieces

1/2 cup baby peas

1 cup or more vegetables of your choice

2 tablespoons olive oil

In a large non-stick skillet or wok, lightly scramble eggs and set aside. Sauté raw vegetables in oil until crisp-tender. Add rice, meat and eggs and season with soy sauce as desired.

\*\*\*\*\*

Kellee Rogers, Topeka:  
**HOT BROCCOLI DIP**

1 round sourdough bread loaf (1 1/2 pounds)

1/2 cup chopped celery

1/2 cup chopped red peppers

1/4 cup chopped onions

2 tablespoons butter

16 ounces Velveeta cheese, cut into 1/2-inch cubes

10-ounce package frozen chopped broccoli, thawed, drained

Heat oven to 350. Cut thick slice from top of bread loaf, remove center leaving 1 inch thick shell. Cut removed bread into bite-size pieces, spread onto baking sheet. Add bread shell, replace top. Bake 15 minutes then cool slightly. Cook and stir celery, red peppers and onions in butter in saucepan until tender. Add Velveeta and cook on low heat until melted, stirring frequently. Add broccoli and cook until heated through, stirring constantly. Pour into bread shell just before serving. Serve with toasted bread pieces, Ritz crackers or fresh vegetables.

\*\*\*\*\*

Millie Conger, Tecumseh:  
**CHOCOLATE  
PEPPERMINT  
ICE CREAM CAKE**

1/2 cup cake flour

1/3 cup cocoa

3/4 teaspoon baking powder

1/4 teaspoon salt

5 large eggs

3/4 cup sugar

1 1/2 teaspoons vanilla

1 1/2 teaspoons peppermint extract

Filling:

2 pints peppermint ice cream

Glaze:

1/2 cup heavy cream

6 ounces chocolate chips, chopped

2 tablespoons dark corn syrup

1 1/2 teaspoons vanilla

1 1/2 teaspoons peppermint extract

To prepare cake heat oven to 400 degrees. Line a jelly roll pan with nonstick aluminum foil. In a bowl combine cake flour, cocoa, baking powder and salt. Separate egg whites and yolks into 2 large bowls. Beat whites on medium high speed until

foamy. Gradually beat in 1/2 cup of the sugar. Continue to beat on high speed just until stiff peaks form. Beat yolks with remaining 1/4 cup sugar and extracts until thickened, about 3 minutes. On low speed beat in flour mixture until blended. Stir in 1/4 of beaten egg whites into mixture. Fold in remaining whites. Spread in prepared pan and smooth top. Bake 12 minutes or until top springs back when gently pressed. Let cool 2 minutes on wire rack. Dust a clean towel with confectioner's sugar and invert cake onto towel. Remove pan and carefully peel off foil. Starting from the short end, roll up cake in towel, place seam side down on a wire rack and cool completely. For filling, unroll cake and spread evenly with ice cream. Roll up cake and wrap tightly in nonstick foil and freeze, seam side down, overnight until firm. To prepare glaze, in a small pan heat cream, chocolate chips and corn syrup over low heat until chocolate is melted and glaze is shiny and smooth, about 1 to 2 minutes. Stir in extracts and cool to room temperature. Unwrap cake and trim ends. Place cake on a wire rack over waxed paper. Pour glaze along top of cake roll, spreading with a spatula to cover sides. Freeze cake until firm.

\*\*\*\*

Florene Ringler, Emporia:

#### BROWNIE MIX

6 cups flour

4 teaspoons salt (I use less)

2 1/2 cups cocoa

4 teaspoons baking powder

8 cups sugar

2 cups shortening

Sift flour, baking powder

and salt together. Mix sugar and cocoa. Put mixtures together in a large pan (I use my big roaster) and mix thoroughly. Cut in shortening. Put in containers, well covered, and store in cupboard. To use brownie mix: Beat 2 eggs, add 1 teaspoon vanilla and 2 cups brownie mix. Blend. Batter will not be smooth. Mix in 2/3 cup chopped nuts and bake in greased 8-by-8-inch pan for 20 to 25 minutes at 350 degrees.

\*\*\*\*\*

Joyce Jandera, Hanover:  
**HAM STROGANOFF**

2 cups cooked ham, chopped fine (I use leftover ham)

1/2 medium onion, chopped

4 tablespoons butter, separated

4-ounce can mushrooms, drained

8-ounce carton sour cream

1 can cream of mushroom soup

10- to 12-ounce package thick noodles

2 tablespoons poppy seeds

Sauté the ham and onion in 2 tablespoons butter over medium heat until onions are cooked. Add mushrooms and soup and stir until heated through. Stir in sour cream and heat slowly but thoroughly. Do not boil and stir constantly. Cook and drain noodles. Toss immediately with remaining 2 tablespoons butter and poppy seeds. Serve ham over the noodles. Serves 4 to 6 people, according to size of your servings.

\*\*\*\*\*

Shirley Deiser, Kanopolis: "I made this for farmer's market and it went over very well."

#### DIFFERENT RHUBARB PIE

1 1/2 cups sugar

3 tablespoons flour

3 tablespoons oleo

3 egg yolks

1/4 teaspoon salt

3 egg whites, beaten stiff

1/2 cup sugar

3 cups rhubarb, cut up

9-inch unbaked pie crust

Mix together sugar, flour, oleo, egg yolks and salt. Beat the 1/2 cup sugar into the beaten egg whites and fold into the first mixture. Fold in the rhubarb and pour into crust. Bake at 400 degrees for 10 minutes and then at 324 degrees for 40 to 45 minutes longer. This pie will have a meringue-like topping.

\*\*\*\*\*

Kellee Rogers, Topeka:  
**CITRUS**

#### CRANBERRY SAUCE

8-ounce bag fresh cranberries

11-ounce can mandarin oranges

3/4 cup sugar

1/4 teaspoon cinnamon

In a saucepan combine cranberries, oranges, sugar and cinnamon. Cook over medium heat for 15 to 20 minutes stirring frequently, until cranberries burst and sauce thickens. Remove from heat, cover and chill.

\*\*\*\*\*

## REAL ESTATE AUCTION WEDNESDAY, JANUARY 6 — 1:30 PM

**AUCTION LOCATION:** At the National Guard Armory at 12th & Bridge Street in CLAY CENTER, KANSAS.

**LOCATION OF PROPERTY:** 7 miles East of Clay Center, KS on Highway 24, then 2 miles South on County Rd. 859 to the SE corner of the Real Estate to sell, West side of road.

#### TRACT I

**LEGAL DESCRIPTION:** A tract in the SE corner of E1/2 of SE quarter on Section 17, Township 8 South, Range 3 East in Clay County, KS, consisting of 5 acres more or less.

**GENERAL DESCRIPTION:** 5 acres more or less with blacktop highway on East side of tract. Home is a 4 bedroom upstairs with full bath upstairs, open stairway leading to upstairs, main floor kitchen, eat in type, dining room with oak framed built-in hutch, living room and family room, also back enclosed porch off dining room and kitchen, 1/2 bath on this floor, partial basement with entrance on main floor, west basement wall has crack in it and will need to have something done. Roof needs to be shingled or tinned. Some lead glass windows in home. Home was built in 1907 by the Goodin ancestors. One of the first homes in rural Clay County to have electricity and running water, before rural electric was here. The floor joints are full 2 x 10 and are oak. There is oak and walnut trim throughout the whole house. It is really 2 1/2 stories with stairway and a full 3rd floor. Furnace has been updated, but needs a new control. Excellent water well on property. This was a show home in Clay County and could be restored back to that kind of quality.

Also on the five acres are (4) 6,000 bushel steel bins with aeration floors, fans and one with a Sukup stirrway system, one small machine shed, an old granary, and a septic tank for sewer system.

#### TRACT II

**LEGAL DESCRIPTION:** E1/2 of NE1/4 and the E1/2 of SE1/4 less 5 acres for improvements in Section 17, Township 8 South, Range 3 East in Clay County, KS.

**GENERAL DESCRIPTION:** 101.70 acres tillable with terraces and waterways, 41.52 acres brome grass, 9.11 acres waterways. Soil type: crete silty, clay loam with 3 to 7 percent slopes and crete silty, clay loam with 1 to 3 percent slopes. Overall this farm lays very nice with slope to the West. Grass patch could be terraced and tilled.

**TERMS:** 10% down day of auction, balance due in 30 days or upon delivery of merchantable title. Title insurance and escrow fees to be paid 1/2 each by seller and buyer. Seller to pay all 2009 taxes and buyer to pay all 2010 taxes. Buyer will receive all mineral rights. Contract, deed and down payment to be escrowed at Republican Valley Title L.L.C. in Clay Center, KS. Property selling subject to easements, restrictions and reservations of record. All information given is from sources deemed reliable, but not guaranteed.

**TAXES:** For 2009 were \$1,619.46.

**POSSESSION:** 63.84 acres is planted to wheat with the right of tenant Chester Wichman to harvest 2010 wheat crop. Buyer to get 1/3 of wheat crop. Balance of land, possession upon closing. Home and improvements possession upon closing.

**AUCTIONEER'S NOTE:** For aerial and soil maps on land or for an appointment to view the home, contact auctioneer, Harold Mugler at 785-632-4994 or home 785-632-3994 or Landmark Real Estate at 785-776-2222.

**BROKER & AUCTIONEER:** Landmark Real Estate and Harold Mugler, auctioneer, are representing the seller as agents and are not agents for the buyer.

**NOTE:** Property selling "as is" with no guarantee or warranties made by seller. All buyer inspections are to be done prior to the auction. Sale is not contingent on buyer's financing. Announcements made at auction to take precedence over printed material. Not responsible for accidents.

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Sabra Shirrell, Tecumseh:  
**PUMPKIN  
CHEESECAKE DESSERT**  
1 package pound cake mix  
3 eggs  
2 tablespoons butter, melted  
4 teaspoons pumpkin pie  
spice, divided  
8 ounces cream cheese  
15 ounces can pumpkin  
1 can sweetened condensed  
milk  
1 teaspoon cinnamon  
1/2 teaspoon salt  
1 cup chopped walnuts

In large bowl, combine the cake mix, 1 egg, butter and 2 teaspoons pumpkin pie spice until crumbly. Press into a 13-by-9-inch baking dish, set aside. In large bowl, beat cream cheese until smooth. Add remaining eggs, beat on low speed just until combined. Stir in the pump-kin, milk, cinnamon, salt and remaining pie spice. Pour into crust sprinkle with nuts. Place pan on a baking sheet. Bake 350 degrees for 35-45 minutes or until set. Cool. Refrigerator until serving. Cut into squares, garnish with whipped cream.

\*\*\*\*\*

Lynn Burgess, Lyons:  
**THURINGIAN  
DUMPLINGS (ROHE  
HARTOFFELKLOSSE)**  
German style dumplings  
3 pounds potatoes  
1 cup milk  
1 teaspoon salt  
1/4 cup butter  
1 1/3 cups semolina flour  
1/2 cup bread crumbs

Peel and grate potatoes into a bowl of water. Wrap in cheesecloth and squeeze out as much liquid as possible. In a saucepan bring milk, salt and butter to a boil. Add semolina, stirring constantly until a solid mass has formed. Continue cooking for about 1 minute, then remove from heat and stir in dry potatoes.

Dust hands with flour and shape mixture into 3-inch dumplings. Coat each dumpling with bread crumbs and drop into salted, boiling water. Simmer until dumplings float to top, about 12-15 minutes. Serve with sau-erbraten, game or any roast.

\*\*\*\*\*

A couple more from Sandy Hill, Eskridge:  
**QUICK FRUITCAKE**  
15.6-ounce package cranber-ry or blueberry quick bread mix  
1/2 cup chopped pecans  
1/2 cup raisins or chopped dates  
1/4 cup chopped maraschino cherries  
1/4 cup crushed pineapple, drained

Prepare quick bread bat-ter according to package di-rections. Stir in the remain-ing ingredients. Pour into a greased 9-by-5-by-3-inch loaf pan. Bake at 350 degrees for 55 to 60 minutes or until a toothpick inserted near the center comes out clean. Cool for 10 minutes before remov-ing from pan to a wire rack. Yield: 1 loaf.

\*\*\*\*\*

**PUMPKIN SPICE  
FROSTED SNACK CAKE**  
2-layer-size package spice cake mix  
15-ounce can pumpkin  
1 cup Miracle Whip dressing  
3 eggs  
8-ounce package cream cheese, softened  
1/4 cup (1/2 stick) butter, soft-ened  
2 tablespoons milk  
1 teaspoon vanilla  
16-ounce package powdered sugar (about 4 cups)

Preheat oven to 350 de-grees. Grease a 9-by-13-inch baking pan; set aside. Beat cake mix, pumpkin, dressing and eggs in a large bowl with electric mixer on medium

speed until blended. Pour into prepared pan and bake 32 to 35 minutes or until wooden toothpick inserted in center comes out clean. Cool completely in pan on wire rack. Beat cream cheese, but-ter, milk and vanilla in large bowl with electric mixer on medium speed until well blended. Gradually add sugar, beating after each ad-dition until well blended. Spread over cooled cake. Cut into pieces to serve. Store any leftovers in refrigerator. Makes 2 dozen or 24 servings, 1 piece each.

\*\*\*\*\*

Millie Conger, Tecumseh:  
**PISTACHIO BARS**

1 cup flour  
1/4 cup sugar  
1/2 cup butter  
Topping:  
1 egg  
1/4 cup sugar  
1/4 cup corn syrup  
1 tablespoon butter, melted  
1/4 teaspoon vanilla  
1 cup coarsely chopped pista-chio nuts  
1/2 cup coconut

Heat oven to 350 degrees. In a bowl mix flour and 1/4 cup sugar. With pastry blender cut in 1/2 cup butter until you have coarse crumbs. Press mixture in bottom of an ungreaed 8-inch square pan. Bake 20 to 25 minutes or until light golden brown. Cook 10 min-utes. In a bowl beat egg slightly. Stir in remaining topping ingredients except pistachios and coconut until well-blended. Stir in pista-chios and coconut. Spoon and sprad evenly over warm base. Bake 15 to 20 minutes longer or until edges are golden brown. Cool completely about 1 hour and 15 minutes. For bars, cut into 5 rows by 5 rows.

\*\*\*\*\*

## G&G Readers Request Two Different Recipes

A G&G reader is request-ing a recipe:

“I am looking for some-one who has a recipe and canning for head cheese. Also a recipe and canning for mincemeat.

“My great aunt use to do both of these. I was about 8 or 10 years old when we went to their house and we had mincemeat pie and head cheese.

“I know she always had these two in fruit jars. She canned everything in jars.”

Following are two re-cipes from the Internet.

**HEAD CHEESE**  
1/2 pound pork (or 2 pork hocks)  
4 onions  
1 garlic clove  
1 pinch clove  
1 pinch cinnamon

Let meat stand in cold water 1/2 hour; drain. Brown meat. Cover with cold water. Add onions, salt and pep-per. Cook until tender. Re-move from heat and cool. Strain broth. Chop or grind meat. Combine 1 cup meat to 2 cups broth. Add season-ings. Let simmer. Rinse a mold with cold water. Pour

into mold. Cool and set 3 hours. Serves 12.

\*\*\*

**MINCEMEAT**  
3 pounds lean beef  
1/2 pound suet  
6 pounds sour apples  
3 pounds seeded raisins  
2 pounds seedless raisins  
1/2 pound citron, minced  
1 nutmeg, grated  
2 pounds sugar  
2 cups cider vinegar  
2 cups beef stock  
2 cups molasses  
1 tablespoon clove  
1 teaspoon cinnamon  
1 teaspoon mace  
1 tablespoon salt

Cut meat in cubes, cover with water and simmer until tender; cool. Force meat, suet and pared and cored apples through a food chop-per. Add remaining ingredi-ents plus 2 cups stock and simmer 1 hour, stirring fre-quently. Fill into sterilized jars, seal and keep in a cool place. Can in a waterbath 20 minutes of low boil after the jars are sealed. Makes 9 quarts.

\*\*\*

Another G&G reader is requesting a recipe for

Meringue Cookies with crushed peppermint sticks on top.

Following is one recipe G&G found:  
2 egg whites  
1/8 teaspoon cider vinegar  
1/8 teaspoon salt  
1/3 cup white sugar  
3 peppermint candy canes, crushed

Preheat oven to 225 de-grees. Line cookie sheets with aluminum foil or parchment paper. In a large glass or metal bowl, whip egg whites, vinegar and salt to soft peaks. Gradually add sugar while continuing to whip until stiff peaks form, about 5 minutes. Fold in 1/3 of the crushed candy canes, reserving the rest. Drop by heaping teaspoonfuls, one inch apart onto the pre-pared cookie sheets. Sprin-kle remaining crushed candy canes over the top. Bake for 90 minutes in the preheated oven, or until dry. Cool on baking sheets.

\*\*\*

Anyone with any of these recipes is asked to submit it to Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505 or e-mail: agpress2@agpress.com.

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## Know The Warning Signs For Diabetes

STILLWATER, Okla. — Diabetes is a serious condition and it is important to educate people on its deadly complications and the importance of proper diabetes control.

Diabetes is a condition in which the body does not produce enough insulin or cannot use insulin properly. Insulin is a hormone that the pancreas produces that allows glucose to be used by the body's cells. Glucose is the body's main source of energy.

"More than 23 million Americans have diabetes with 1.6 million new cases last year in people age 20 or older," said Janice Hermann, Oklahoma State University Cooperative Extension nutrition specialist. "Diabetes can lead to other complications such as heart disease, blindness, kidney failure and lower extremity amputations."

Two main types of diabetes are type 1 and type 2. Only about 5 percent of people have type 1 diabetes, it is less common than type 2 diabetes, said Hermann.

With type 1 diabetes, the pancreas cannot make insulin, therefore people with type 1 must take insulin injections and modify their diet and physical activity to prevent long-term complications. Warning signs for type 1 diabetes

include excessive urination, abnormal thirst, unusual hunger, rapid weight loss, irritability, weakness, fatigue and nausea.

"If you or your child experiences any of these symptoms see your doctor right away for testing and diagnosis," Hermann said.

Type 2 diabetes can usually be controlled by diet modifications, physical activity and oral medications. In some cases insulin injections are necessary to control blood sugar.

"Type 2 diabetes is a silent disease. It's estimated that almost 6 million people have diabetes and don't even realize they have it. Many people find out they have diabetes only after seeking medical help for one of its many complications," she said. "By the time some people are diagnosed with diabetes, damage to the nerves, arteries, eyes and kidneys may have been going on for up to 10 years."

Some of the warning signs of type 2 diabetes include drowsiness, itching, blurred vision, easy fatigue, slow healing wounds, being overweight and having a family history of diabetes. If any of these symptoms occur, a doctor should be seen immediately.

"Early diagnosis and treatment are key to de-

laying or preventing long-term complications," Hermann said.

There are new guidelines recommended for everyone age 45 and older indicating they should be tested for diabetes every three years. Individuals who are at higher risk of developing diabetes should be tested at a younger age.

In addition to the increased number of cases of diabetes, the incidence of obesity also has dramatically increased over the past decade. The increase in obesity may have a major impact on the incidence of type 2 diabetes in the future.

"Obesity is a major contributor to development of type 2 diabetes and there is a delay between the onset of obesity and the development of the disease," Hermann said. "Therefore, suggestions are that a further increase in the occurrence of diabetes is expected in the future. If you have family history of diabetes, or fall into the categories that increase the chances of developing the disease, it's a good idea to talk to your health professional."

More information about diabetes can be found at the American Diabetes Association website at [www.diabetes.org](http://www.diabetes.org) or call 1-800-DIABETES.

## FREE ONLINE RECIPE

Included as part of Grass & Grain's website is a "Free Weekly Recipe." You need not be a subscriber to view this recipe. Go to: [www.grassandgrain.com](http://www.grassandgrain.com) and at the bottom left click on Our Daily Bread Free Weekly Recipe.

Some recipes will be selected from submissions received from area cooks while others may be suggested favorites. You may also share the recipe with friends and family by clicking on the "email page" button.

**This week's recipe is Pasta Roll Ups from Millie Conger, Tecumseh**

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CIH 7130, '91, 9600 Hrs, #149705.....\$29,500(G)  
JD 8650, '83, 8625 Hrs, #148479.....\$22,500(E)  
JD 4840, '82 8200 Hrs, #148755.....\$19,950(T)  
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CIH MXU110, '04, 1250 Hrs, #149501.....\$59,500(W)  
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NH TM130, '05 2000 Hrs, Ldr.....\$54,900(W)  
NH TV140, '00, 4375 Hrs, Ldr.....\$49,500(M)  
NH TV140, '99, 4000 Hrs, Ldr.....\$49,500(M)  
NH TM165, '00, 3445 Hrs, #148198.....\$49,000(W)  
NH TM115, '00, 3000 Hrs, Ldr.....\$47,950(C)  
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CA 2090, '82, 7000 Hrs, #149831.....\$16,500(E)  
FO TW20, '81, 7885 Hrs, #137460.....\$15,250(W)  
JD 4020, Diesel, Pwr Shift, #147569.....\$10,900(E)  
JD 4320, '73, 7149 Hrs, Ldr.....\$9,900(C)  
CA 1070, '73, 7000 Hrs, Ldr.....\$9,750(E)  
JD 4020, '68, Ldr, #149041.....\$9,200(C)  
JD 4020, Diesel, Synchro, #147978.....\$8,750(E)  
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JD 5103, '06, 579 Hrs, #149816.....\$13,500(E)  
NH TC55, '05, 149 Hrs, #146018.....\$12,900(T)  
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IH 656, Ldr, #149897.....\$5,500(C)  
JD 3010, '63, 3PT, PTO, #149809.....\$5,500(E)  
FO 860, WFE, 540 PTO, #148749.....\$2,950(T)  
OL 770, '60, WFE, Gas, #146295.....\$2,950(C)  
AC WD45, WFE, Gas, #150013.....\$1,995(W)

### SKID LOADERS

NH C185, '06, 470 Hrs, C/H/A.....\$41,250(M)  
NH C185, '07, 458 Hrs, C/H/A.....\$36,250(C)  
CA 465, '06, 225 Hrs, #146387.....\$32,500(W)  
NH L190, '08, 450 Hrs, C/H/A.....\$32,500(W)  
NH L185, '08, 350 Hrs, C/H/A.....\$29,900(W)  
NH L190, '07, 530 Hrs, #147570.....\$29,500(E)  
NH L5190.B, '05, 1137 Hrs, C/H.....\$28,500(G)  
NH L190, '06, 617 Hrs, C/H/A.....\$27,500(C)  
NH L185, '07, 467 Hrs, C/H/A.....\$27,500(C)  
NH C175, '07, 507 Hrs, #149912.....\$27,500(W)  
NH L190, '06, 1100 Hrs, #147014.....\$26,900(C)  
BO S250, '05, 2153 Hrs, C/H/A.....\$25,500(M)  
BO S250, '03, 2394 Hrs, C/H.....\$24,500(M)  
NH L5180.B, '05, 650 Hrs, C/H/A.....\$24,500(W)  
NH L5185.B, '04, 1500 Hrs, Cab.....\$23,900(E)  
CA 450, '05, 1517 Hrs, C/H.....\$23,900(T)  
CT 252B, 550 Hrs, Pilot.....\$22,500(W)  
CA 430, '07, 430 Hrs, #147112.....\$21,500(H)  
NH L5170, '05, 506 Hrs, #147732.....\$19,900(D)  
BO S185, '06, 1453 Hrs, C/H/A.....\$19,500(M)  
NH L5180, '04, 1900 Hrs, #146923.....\$18,900(W)  
NH L170, '06, 360 Hrs, #148188.....\$18,500(H)  
BO S175, '02, 931 Hrs, C/H.....\$17,500(M)  
CA 40XT, '04, 700 Hrs, #146682.....\$15,900(W)  
NH L5180, '01, 3492 Hrs, #146675.....\$14,100(C)  
CA 1845C, '98, 2473 Hrs, #150096.....\$13,500(T)  
NH L5160, '00, 1901 Hrs, #148291.....\$12,950(C)  
NH LX865, '94, #149354.....\$11,500(H)  
NH L555, '90, 3875 Hrs, #150225.....\$8,500(M)

### PLANTERS

CIH 1200, '06, 16/31 Split.....\$99,500(T)  
CIH 1200, 16/31 Split, #149910.....\$76,500(W)  
KZ 2600, '99, 12/23 Split, #149468.....\$38,500(T)  
CIH 955, 12R30, #148629.....\$10,900(W)  
IH 900, 12R30, #145572.....\$8,950(W)  
IH 800, 12R30, #145164.....\$6,500(W)  
IH 900, 8R30, #145883.....\$5,900(G)  
IH 900, 8R30, Liq. Fert, #145884.....\$5,900(G)  
CIH 1250, 16R30, #150012.....Coming Soon(W)  
WT 6722, 12R30, #150232.....Coming Soon(M)  
WT 6100, 6R30, #150206.....Coming Soon(M)

### DRILLS/SEEDERS

CIH ADX2230, '05, Air Cart.....\$34,500(W)  
JD 1590, '04, 15' No-Till, #150033.....\$26,500(T)  
JD 455, '99, 35', #150154.....\$26,000(E)  
JD 455, '00, 35', #150133.....\$24,900(E)  
GP 353000, 30', 6", #149136.....\$19,950(G)  
CR 4615AP, 15', All-Plant, #143000.....\$16,000(C)  
GP CPH12, 12', No-Till.....\$14,000(W)  
KR 5215N, 15', Double Disc.....\$13,500(C)  
KR 5430, 30', No-Till, #150479.....\$12,950(M)  
SN 94U W/Hitch, #149898.....\$9,250(C)  
GP 25F30, 30', #150230.....\$8,995(M)  
GP 25F2436, '92, 24', Fert #150152.....\$6,800(E)  
GP 3-36, #149495.....\$2,950(T)  
JD 8350, #148187.....\$2,000(H)

### SPRAYERS

GP TSF1280, '07, 80', 1230 Gal.....\$33,500(E)  
Bestway FPIII, 60', 1000 Gal.....\$15,900(W)  
GP 1290, '03, '90, #150163.....\$13,750(E)  
FL 67XL, 80', #146264.....\$10,000(C)  
FL 55, 70', 650 Gal, #142926.....\$8,500(C)  
MI 1000, #146215.....\$6,950(C)



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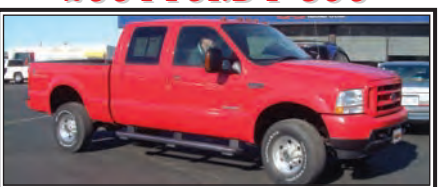
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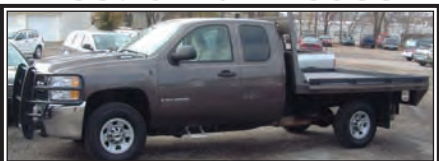
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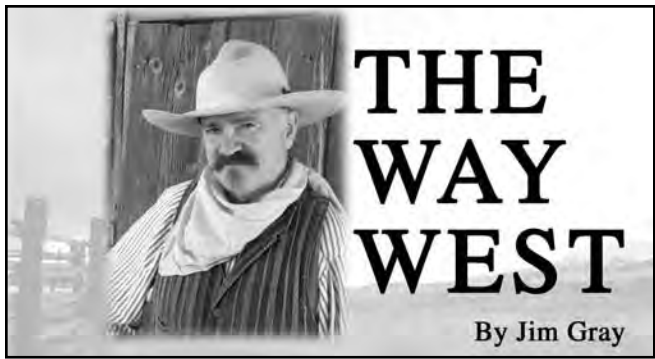
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## Bat Masterson's Depot Shootout

Dodge City's reputation as a wild and woolly town is well documented. The "Cowboy Capital" is known around the world, but visions of cowboys shooting it out day and night overshadow the everyday dealings that helped to foster the rowdy image of one of the West's most famous towns.

Politics kept the pot boiling when nary a glimpse of a cowboy could be found. The spring of 1881 found the pro-gambling faction of town leaders known as the Dodge City Gang dismissed. Dodge City's former mayor, saloonkeeper "Dog" Kelly kept a collection of racing and hunting dogs. Legend connects him with General George Custer who loved to hunt prairie wolves with his hunting dogs. Dodge City's new mayor was A. B. Webster, a law and order man who had been the leader of Hays City vigilantes during its roughest years. Webster immediately fired City Marshal Jim Masterson and replaced him with Fred Singer. Within days Singer was posting the mayor's edict about town. "All thieves, thugs, confidence men, and persons without visible means of support, will take notice that the ordinance enacted for their special benefit will be rigorously enforced..."

Former City Marshal Jim Masterson didn't take long in finding his way into trouble. He and A.J. Peacock were partners in the Lady Gay Dance Hall. Their bartender was Al Updegraph, a brother-in-law to Peacock.

According to Updegraph a friend of Jim Masterson's took \$80 from a woman's room while she was absent. She asked Updegraph for help and he advised her to have the man arrested.

Angered by the arrest, Masterson demanded that Updegraph make the woman withdraw her complaint. Updegraph refused. Masterson then fired Updegraph as his bartender. Refusing his partner's demand, Peacock retained Updegraph as bartender.

Updegraph claimed that Masterson cocked a revolver in his face the following evening. Peacock was not about to take the threat to his brother-in-law lightly. As word of the feud spread through Dodge, sides were taken and threats made. Finally a Masterson friend wired Bat who was in Tombstone.

Bat Masterson arrived at the depot in Dodge City a few minutes before noon, April 16, 1881. He immediately went gunning for Peacock and Updegraph. Crossing the tracks in the direction of the Lady Gay, Bat spotted the two in the street. Following them he called out, "I have come over a thousand miles to settle this. I know you are healed; now fight."

Pistols were drawn as all three men commenced firing. Bat did his work from behind an embankment near the track while Peacock and Updegraph made their way to the corner of the city jail. Shots from Peacock and Updegraph were

in line with the store fronts north of the tracks known as Front Street. Others, including Charlie Ronan and Tom O'Brien backed Bat with shots of their own. Updegraph was shot through the lung and retreated from the fight. In three or four minutes it was over.

When Mayor Webster and Marshal Singer arrived on the scene Webster "threw down" his weapon on Masterson ordering him to give up. Bat hesitated and replied. "Let me bring it to you." Webster was in no mood for humor. His eyes suddenly turned cold as in a low unwavering voice he warned. "Put down that gun or I'll kill you." Webster's intent was clear as Bat surrendered his weapon. A correspondent from the Caldwell Commercial compared the excitement of the gunfight to the 1865 Springfield, Missouri, shootout of Wild Bill Hickok and Dave Tutt. He reported that 15 extra policemen were placed on duty in anticipation of extended trouble, but the trouble was over.

Surprisingly Updegraph recovered from his wound. Bat was fined and ordered out of town. Jim Masterson and Charlie Ronan were also advised to leave. The April 21, 1881, Dodge City Times observed that the two men, "...have gone west to grow up with the country."

Political conflict was as much a part of Dodge City as the cattle business. There would be more conflict as the town continued to grow on The Way West.

"The Cowboy," Jim Gray is author of *Desperate Seed: Ellsworth Kansas on the Violent Frontier* and also publishes *Kansas Cowboy, Old West history from a Kansas perspective*.

Contact 785-472-4703 or [www.droversmercantile.com](http://www.droversmercantile.com). ©2009

## Annual grazing conference set for January 23 in McPherson

The Kansas Graziers Association (KGA) will host its Annual Winter Grazing Conference on Saturday January 23, 2010, at the Best Western Convention Center in McPherson. Kit Pharo, Cheyenne Wells, Colorado rancher, is the featured speaker for the day.

Registration will start at 8:30 a.m. and the meeting will run until 4 p.m. Pharo's two-part presentation is titled "Moving from Production to Profit in Ranching." Additional presentations during the day include: Tim Christian, Kansas Grazing Land Coalition (KGLC) presenting "Educational Activities and Grazing Opportunities with KGLC"; and Kansas State University Research and Extension watershed specialists Will Boyer and Herschel George will discuss "Developing Water and Innovative Ideas for Resource Protection."

"This year we've moved our meeting to the McPherson Best Western Convention Center as we've outgrown the previous location," said Mary Howell, conference organizer and field staff for the Kansas Rural Center's Clean Water Farm Project. "Kit Pharo has generated a lot of interest and we expect a good crowd."

Pharo and his wife Deanna own and operate on the central high plains of Eastern Colorado. This is short-grass country with an annual precipitation of 12 inches. They have spent the past twenty-five years devoted to creating an efficient and profitable cow/calf opera-

tion. They have sought out and learned from some of the most profitable ranches in North America.

He has some very unique and innovative management ideas and philosophies that differ substantially from traditional ways of thinking. He shares these in a newsletter he mails out to over 25,000 cow/calf producers and in workshops and presentations like the KGA conference. His website is [www.pharocattle.com](http://www.pharocattle.com).

Pharo claims it's not hard to make the right kind of low-maintenance cattle work in a variety of environments. His cows must produce and wean a calf every year to stay in the herd. They must be able to survive on the available forages with minimum inputs. Pharo Cattle has sent bulls and replacement heifers all over the U.S., Canada, and Mexico.

He will spend the day sharing his philosophies and ideas with the Kansas Graziers including:

Optimum production is

always much more profitable than maximum production. Bigger is not always better.

To achieve optimum production ranchers must produce cows that fit their environment, instead of artificially changing the environment to fit their cows.

We want a cow that can survive strictly on what the ranch produces with little, or no, inputs. A cow ought to be supporting the ranch, instead of being supported by the ranch.

Co-sponsors for the conference include the Kansas Rural Center, Kansas Farmers Union, Kansas Center for Sustainable Agriculture and Alternative Crops, and Kansas Grazing Lands Coalition.

Registration is \$35 for the day and includes lunch. To register online go to [www.kansaruralcenter.org](http://www.kansaruralcenter.org) and download the registration form, or contact Mary Howell at (785) 292-4955 or (cell) (785) 562-8726.

The KRC office at (785) 873-3431 can also take registrations.

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ment on it; Ashland 180 8-yd. PT scraper w/push off, very good; JD 630 flex head, good.

### LIVESTOCK EQUIPMENT

Apache 20' portable hay feeder; much more see website!

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1989 Kenworth T600, day cab, short wheel base, Cummins, 9 spd., wet kit; 2001 Timpco grain hopper, Ag hoppers, farmer owned, original tires and brakes; 1985 Kenworth W900, has lots of work done to it, needs a lot P.O.S.; 1979 Freightliner, runs good, good rubber; 48' van trailer.

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## Great Plains Vegetable Growers heading to Jan. 7-9 conference

The 2010 Great Plains Vegetable Growers Conference Jan. 7-9 in St. Joseph, Mo., will feature growers, specialists and cutting-edge information from all five participating states: Iowa, Kansas, Missouri, Nebraska and South Dakota.

Conference planners scheduled three day-long, in-depth workshops for Jan. 7. Like the rest of the conference, they'll be in the Fulkerson Conference Center at Missouri Western State University.

"We'll be repeating the ever-popular high tunnels and community-supported agriculture workshops, plus introducing a new one on 'Growing Your Farm's Profits.' The profits and pricing workshop will be a bargain this year, because USDA's Risk Management Agency is underwriting about half of its cost," said Ted Carey, vegetable crops specialist with Kansas State University Research and Extension. The trade show will officially open on Thursday, as well, Carey said, with a 4:00 to 5:30 p.m. wine and snacks reception for workshop and other conference participants. More than 32 exhibitors will be there, representing seed companies,

equipment and supply vendors, government agencies, and related industries. The Friday and Saturday programs will both begin with an 8 a.m. registration. Then, except for a keynote speaker early Friday afternoon, it will have four your-choice tracks, running concurrently from beginning to the conference's end. Friday's sessions will start at 9:30 a.m. and Saturday's, an hour earlier.

"This program is so good that growers will want to bring partners, so they can split up and cover more than one session at a time," Carey said. "Friday's program is packed with all kinds of interesting speakers and topics. If they like, though, participants can really focus in on Saturday. Three of the four tracks will be sort of like one-subject workshops."

Friday's program tracks will include (1) three small-fruit sessions, followed by two related to GAP (Good Agricultural Practices) auditing and certification; (2) four sessions on organic production and pest control; (3) two on greenhouse production, followed by two about bees; and (4) six on vegetables and integrated

pest management.

Keynote speaker Kamyar Enshayan will lead Friday's general session about his efforts since 1997 to strengthen the local food system in northeastern Iowa. He'll also address some of the challenges he sees ahead. An agricultural engineer by training, Enshayan is director of the Center for Energy and Environmental Education at the University of Northern Iowa. Last year, he received the Sustainable Agriculture Achievement Award from Practical Farmers of Iowa.

The state associations of Kansas, Nebraska and Missouri will meet late Friday afternoon. The evening will take conference participants to the St. Joseph Ramada Inn for a "Grower Innovation Hour of Fun." Those who enter a new idea will compete for a free conference registration in 2011.

Three of the subject tracks on Saturday will devote the day to a specialized subject: (1) advanced farmers market, (2) cut flowers and (3) beginning vegetable production.

"If they choose to stay with one track, participants will have a real opportunity to network with others who have similar interests, get new ideas, plus ask lots of questions," Carey said.

The fourth track will be a potpourri of sessions on subjects ranging from universities' variety trial results to growers' common mistakes in working toward organic certification. Conference registration instructions and fee alternatives are available online at <http://extension.missouri.edu/buchanan/GPVGC.shtml>. Conference planners strongly encourage participants to preregister before Christmas. The site also has further information about the workshop and conference programs. Plus, Katie Cook and Tom Fowler in the Buchanan County (Mo.) Extension Office are available to answer questions at (816) 279-1691. Ted Carey, who's based at K-State's Olathe Horticulture Research and Extension Center, is at [tcarey@ksu.edu](mailto:tcarey@ksu.edu) and either (913) 856-2335 or (913) 645-0007.

## 'Feeding the Cow Herd for Maximum Profit' school set for Jan. 13-14

An intensive two-day school on Feeding the Cow Herd for Maximum Profit will be held Jan. 13 and 14, 2010 from 4 p.m. to 9 p.m. each day at the Colby Community Building in Colby. This hands-on program is designed to help producers refine their understanding of cow nutrition and find the most cost effective means to achieve optimal cow performance with today's rising feed costs.

The workshop will be led by Danny Simms, former K-State Research and Extension, Beef Specialist and author of the book "Feeding the Cow Herd for Maximum Profit." Producers will have the opportunity to integrate what they have learned into their own rations with the help of the KSU Brands ration balancing program.

Topics covered over the two-day course will include: Feeding for reproduction, Using Body Condition Scores, Evaluating Diet Adequacy, Economics of Supplementation, Supplementation of Protein and Energy, Mineral Supplementation and Managing Feed Costs. Producers are encouraged to bring their own forage analysis for use in exercises.

The registration cost is \$145, which includes the book Feeding the Cow herd for Maximum Profit (an \$80 value), meals and refreshments. Class size is limited to the first 25 registered.

The deadline for registration is Jan. 8, 2010. More information is available by contacting Sandy Johnson, [sandyj@ksu.edu](mailto:sandyj@ksu.edu), 785-462-6281 or Lori Fabian, [lfabian@ksu.edu](mailto:lfabian@ksu.edu), 785-462-6281.

The program is sponsored by K-State Research and Extension.



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Richard Randle, University of Nebraska

- **Mineral Nutrition**

Dr. K.C. Olson, Kansas State University

6:00 p.m. Beef Dinner

7:00 p.m. • **Factors Affecting Sale Barn Prices**  
Karl Harborth, Extension Livestock Specialist, Kansas State University Extension

- **Replacement Heifers:** Buying vs. Raising

Dr. John Lawrence, Iowa State University

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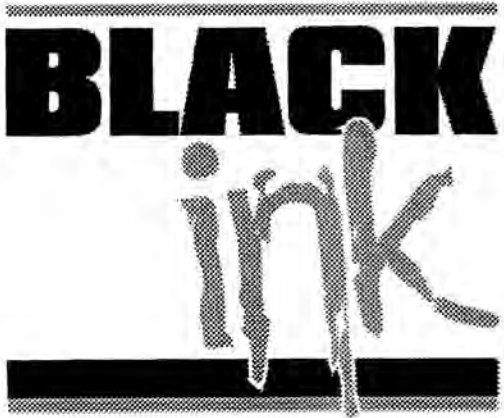
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## Mixed blessings

By Steve Suther

When you count your blessings, remember to include the ones disguised as challenges. Some of them you decided to take on as calculated risks; others intruded on your farm or in your life, but turned out to be “mixed blessings.”

The challenges you have willingly taken on may include another off-farm job, a bank loan, new cattle enterprises, expansion, relocation or going into business with other family members.

Everything that happens could be graded on a scale of desirability. You could even find fault with most blessings, because nothing's perfect for every situation. Some areas had an abundance of moisture, but too much meant late crop planting, poor-quality hay or flood damage.

Nobody wants a drought, but it can force you to make decisions you resist in better times.

A Texas rancher recently reported, “We culled deeply, and at a loss, just to keep our pastures alive. The silver lining is that we culled so deeply that we got to cull on our wish-list traits, such as disposition, mature size and body conformation, and not just on open and age.

“As a result, we ended up with the cowherd we've been breeding for, even if it's much smaller than we'd planned.”

You have to deal with unpredictable weather and markets each year, looking for ways to hedge risk and play the hand you're dealt. In the words of one old country song, “We're all just making the best of a bad situation.”

Every decision weighs risk, the possibility of a negative outcome. How much risk there is depends on how much you know or care about the outcome.

From an economist's perspective, worrying about risk keeps producers focused on the optimum rather than maximum production, quality or price. Whether it is the free market or government regulation, anything that restricts the ideal or maximum could be a mixed blessing.

Knowledge of risk affects behavior, and ignorance is not always bliss or even partial bliss. Didn't know the sale-barn bull was sterile? Sometimes those former herd sires are sold by the pound because their breeding career is over.

Bulls in general have been called worse than a mixed blessing, a necessary evil. But that's too harsh. Granted, their management creates special challenges, but those motivate us to construct better facilities.

Not all of those who own cows rely on them for a living, but anyone can adopt a businesslike approach. Cows should pay their way while producing calves that are more blessing than curse. Wild cattle that turn into lingering chronics before they become tough, dry beef have few redeeming qualities.

Over the years, more and more technology has been

developed to help produce cattle profitably; some of it even helps in meeting consumer demand for high-quality beef. It can also help you learn what your calves do in the feedlot and packing plant. Bad news from those sectors could be seen as a dark cloud, but the silver lining is the fact that you can use it to improve your herd.

Bulls are necessary of course; the right ones can even turn out to be a blessing if selected carefully and through the use of tools such as expected progeny differences (EPDs) to find a balance from pasture to plate.

They exert long-term influence through their daughters, which may be the ultimate mixed blessing. Replacement heifers require post-weaning management and development; then it could be another year or two before they produce a paycheck. Still, they are often the best way to adapt better beef genetics to fit your resources.

With every decision, there is a risk, a choice of how your future will take shape, and it could involve other people as well. They're called consumers.

Next time in Black Ink® Miranda Reiman will consider the boundaries of quality beef production. Questions? Call toll-free at 877-241-0717 or e-mail [steve@certifiedangusbeef.com](mailto:steve@certifiedangusbeef.com).

## Soybean growers to gather next week in Topeka for Expo

Soybean producers will meet in Topeka, Wednesday, January 6 for the Kansas Soybean Expo sponsored by the Kansas Soybean Commission and Kansas Soybean Association. The annual event is held in conjunction with the Topeka Farm Show. Registration and exhibits open at 8:30 a.m. with the program scheduled from 9 a.m. to 3:30 p.m.

Sessions include research and production information from Kansas State University Extension Specialists; policy updates with state and national elected officials and an afternoon session on “Planning for The Future” for estate planning, taxes, trusts and wills.

Mark Mayfield, will be the keynote speaker presenting “Momma Told Me There'd Be Days Like This.”

His lighthearted inspiring presentation will provide insight and humor for today's economic times. Mayfield has received two degrees; Magna Cum Laude from Kansas State University, served as National President of the Future Farmers of America, taught school and directed corporate lobbying activities.


The noon luncheon will feature the Soybean Yield Contest results and other awards. The Kansas Soybean Association will also conduct its annual business meeting.

A complete program and registration can be found at [www.kansassoybeans.org](http://www.kansassoybeans.org). For additional information contact the Kansas Soybean Association at (800) 328-7390.



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## ANTIQUE AUCTION

**SUNDAY, JANUARY 10 — 9:30 AM**  
Auction will be held at the store located at 817 W. Crawford in **SALINA, KANSAS**

### FURNITURE

Oak Hoosier cabinet; cherry 3 pc parlor set; walnut English wardrobe; 4 oak Lodge chairs; many 4', 5', 6', 8' & 10' floor showcases; 4' slant front showcase; table top showcases; Timex revolving showcase; 48" square oak table; 45" round oak table; sets 4 oak chairs; Pelton & Co. pump organ; Ginnery & Albertsen organ; Walnut Story & Clark piano; German bar; pine 2 door display cabinet; mahogany love seat; 2 walnut arm chairs; walnut 3 drawer dresser; oak dressers; marble insert dressers; pine drop front desk; pr pattern back chairs; 20's china cabinet; 20's vanity; waterfall dresser; Duncan Phyfe table & chairs; oak parlor tables; tall dish cupboard; pine flat glass secretary; pine teachers desk; 3 pine corner cabinets; several high chairs; flat top trunk; wing back chair; wicker settee; wicker chair; wicker shelving; 20's sofa table; many shelves; ash trays; dividing screen;

head boards; teak wood chair; 30's hutch; child's chairs; carpenters chest; newer oak china cabinet; newer oak 3 piece wall unit; newer oak stack bookcase; Emperor grandfather clock; 70's dining table & hutch; 6 newer pattern back chairs; 60's stereo; black leather hide a bed; 2 Cosco chairs; assortment of other furniture.

### COLLECTABLES

Subway 5 cent pinball machine; assortment electric trains several Lionel pieces; Lee Reynold oil painting; Limestone house at Strong City etching; Seth Thomas mantel clock; pedal tractor; assortment of pictures; Military pictures; silhouette pictures; several table radios; Big Chance 777 slot machine; Japanese pin ball machine; 31 day Regulator clock; shopping basket; quilts; 2 gal Crown water cooler; large assortment of other crocks; Robinson Milling co. picture; head vase; Dryden

pieces; assortment Occupied Japan; caster set; several sets china; 121 pc set wheat etched glasses; Poppy Trail pieces; Harker pieces; Hull; tea pots; Frankoma; wheat dishes; depression glass; Royal Copley; Fiesta; Shawnee; toothpick holders; cookie jars; milk glass; large assortment glass; salt & pepper shakers; sets 50's glasses; table lamps; linens; child's electric cook stove; cookie cutters; granite coffee pot; Flamingo mirror; gas iron; wrenches; fans; well pulleys; cast iron pots & pans; scythe; assortment toys; Tonka trucks; cars; Hot Wheels; GI Joe; Mickey Mouse; beer signs; buttons; 45 & 33 records; saddle gun case; kitchen ware; Dazey 20 churn bottom; newer Coke items; tins; gum ball machines; Hot Rod magazines; comic books; binoculars; Tom Thumb cash register; 50's stroller; cap guns; skies; cast iron levels; wood planes; drawn knives; sled; large assortment of other collectables.

Note: This is a very large auction. Then & Now Antiques have closed their doors there are many items on this auction. Parking will be available at the DAV ¼ block West of the store. Check our website for pictures at [www.thummelauction.com](http://www.thummelauction.com). And updated listing after Jan. 1, 2010.

### THEN & NOW ANTIQUES

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## AUCTION

**SATURDAY, JANUARY 9 — 10:00 AM**  
Auction will be held in the National Guard Armory in **MANKATO, KANSAS**

### ANTIQUES/COLLECTABLES

Walnut hand made corner cabinet; walnut ½ size love seat; oak wash stand; oak organ stool; small walnut étagère; tramp art table & shelf; walnut & cane sewing rocker; marble top coffee table; Great Western Cub no 8 topsy type stove; set 4 oak chairs; 20's kitchen stool; 2 child's rockers; Roseville (982, 103, 1FH, 665, 1TK, 1BK, 672, 392, 209, 24); pink art glass caster set; custard pitcher & compote; Royal Bayreuth pitcher; onyx pitcher; France demi pot; RSX German toothpick; Bavaria creamer; 4 pc Fenton custard; etched pitcher & glasses; assortment hand painted plates Limoges & other; hand painted bowl; 22 K porcelain coffee set; Weller jardiniere; glass baskets; cruets; coin glass spooner; creamer's & sugars; knife rests; 4 piece pitcher & bowl set; salt dips; punch bowl set; 19 Gobel angel bells (1976-94); kerosene lamps; 3 mini lamps; bracket lamps; collection Puss & Boots glass shoes; 4 piece red flash table set; Rosie O Neal Cupie bell; German hand painted pipe; anniversary clocks; Lindwood jewelry stones; copper bed warmer; assortment good pictures inc 1908 farm scene; 1904 St Louis fair spoon; 8 place set Community Evening Star silver plate; HBC ice tea spoons & salad forks; aluminum ware; collection Beam bottles inc.: states, Executive 1971-83; baskets; kerosene stove jugs; battery jar; cotton scale; cast iron skillet; cast iron muffin pans; Crystal coffee grinder; 5 gal Buckeye water cooler; 3 gal salt glaze jug; set Jewell Co Threshing Bee buttons; Franklin Mint Flower of the Season; Ace Reid calendars; wood cheese boxes; small bellows; 4 metal lawn chairs; hay hooks; child's croquet game; meat hooks; glass chicken waters; oil jars; wood & metal pulleys; granite ware; single trees; bottle openers; buckets; wrenches; horse bits; traps; car tags; assortment of other collectables.

niversary clocks; Lindwood jewelry stones; copper bed warmer; assortment good pictures inc 1908 farm scene; 1904 St Louis fair spoon; 8 place set Community Evening Star silver plate; HBC ice tea spoons & salad forks; aluminum ware; collection Beam bottles inc.: states, Executive 1971-83; baskets; kerosene stove jugs; battery jar; cotton scale; cast iron skillet; cast iron muffin pans; Crystal coffee grinder; 5 gal Buckeye water cooler; 3 gal salt glaze jug; set Jewell Co Threshing Bee buttons; Franklin Mint Flower of the Season; Ace Reid calendars; wood cheese boxes; small bellows; 4 metal lawn chairs; hay hooks; child's croquet game; meat hooks; glass chicken waters; oil jars; wood & metal pulleys; granite ware; single trees; bottle openers; buckets; wrenches; horse bits; traps; car tags; assortment of other collectables.

### FIESTA

**SELLS AT 12:00 NOON**  
Large collection of the original colors turquoise, ivory, yellow, red, green, cobalt, plates,

cups, saucers, pie plates, sauce bowls; yellow syrup; green & red covered casserole; yellow & red ice pitcher; 6 nesting bowls starting at 1; relish tray; ivory & blue disc pitchers; yellow juice pitcher; yellow carafe; yellow 2 pt. jug; demi cups & saucers; 4 juice glasses; 4 water glasses; red bud vase; coffee pot; yellow & green tea pot; cream soups; ivory comport; yellow & green pie plates; rose & gray chop plates; vegetable bowls; rose, red, gray platter's; green sweet comport; mugs; 2 gravy's; 2 utility trays; salt & pepper; Kitchen Kraft cobalt 8 & green 4 canisters; Bower blue & red coffee pots; metal popcorn set;

### HOUSEHOLD & OTHER

4 piece 70's queen size bedroom set; beige couch; floral hide a bed; floral couch & chair; 60's green couch; striped recliner; several shelves; microwave; portable sewing machine; hanging lamp; assortment Christmas; garden tools; flower pots; Kanpco space heater; assortment of other items.

Note: Check our web site for pictures at [www.thummelauction.com](http://www.thummelauction.com). Lunch by Burr Oak Methodist church ladies.

### ALMA GARMAN

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## Wisconsin organic beef producer to address farm profit workshop

The Kansas Rural Center announces Jim Munsch as the featured speaker at its workshop "Growing Your Farm Profits: Understanding the Marketplace and Positioning Your Farm to Succeed." The workshop is from 9 a.m. to 5 p.m. on Saturday, January 9 at the Lawrence Holidome Conference Center, 200 McDonald Drive, Lawrence.

Munsch raises organic, pastured beef on his Wisconsin-based Deer Run Farm. Munsch, who has been in the beef business since 1981, was certified organic in 1999 and markets his beef in partnership with a large organic vegetable CSA. He also works part-time as a pasture specialist for his local conservation district and is a business consultant to local organic vegetable producers as well as both organic and conventional beef producers.

"Jim has an extensive understanding of the production and marketing issues for small and medium-sized farms. Anyone involved in selling farm products will benefit from the process of examining their business whether they think things need a little tweaking or a major reevaluation," Mercedes Taylor-Puckett, Local Foods and Farmers Market Coordinator for the Kansas Rural Center, said.

Munsch's topics included in the workshop are "A Look at the Front End: The Marketplace," which examines the importance of setting your product apart from others, and "A Look at the Back End: Product Profitability" which zeros in on the margin between cost of production and the price you receive. "Farmers excel at producing a high quality product but often find the marketing aspect a bit mystifying," Taylor-Puckett said. "Jim's goal — by the end of the workshop — is that produc-

ers will have defined their products' value proposition; identified realistic distribution channels, and determined whether products can be profitable."

A producer panel, including John and Yvonne Bauman of Cedar Valley Farms and Debbie Yarnell of Homespun Hill Farm, provides local, real-life examples of the concepts on the agenda. Lunch features speaker Josh Svaty, Acting Kansas Secretary of Agriculture and is held in conjunction with the Kansas Farmers Union Conference. Registration is \$30 if mailed to the Kansas Rural Center at PO Box 133, Whiting, Kansas 66552 on or before January 4. After January 4, please register at the workshop. Cost of walk-in registration is \$35. According to Taylor-Puckett the cost of registration includes take-home resources, such as the costing tool Munsch is developing for the USDA Risk Management Agency that assists farmers in increasing farm income.

This workshop is held in conjunction with the Kansas Farmers Union Changing Times Conference. Group discount rates for lodging are available at the Lawrence Holidome by calling (785) 841-7077 and mentioning the Farmers Union convention. For more information on the workshop or to register, please contact Mercedes Taylor-Puckett at (785) 840-6202 or mercedes.taylorpuckett@gmail.com or Mary Howell at (785) 292-4955 or marshallcofair@networksplus.net.

For more information or to download the event flier and registration form see KRC's Farmers Market website at: <http://www.ksfarmersmarkets.org>.

The meeting is located under events.

## Missouri sets two-year precipitation record with 106 inches, more possible

"Unprecedented wetness," said Pat Guinan in a two-word summary of the last two years of Missouri weather. The University of Missouri Extension climatologist said that by mid-December, average precipitation topped 106 inches for 2008 and 2009 with more snow is in the forecast.

"Last year was the wettest year on record with more than 57 inches of precipitation. So far this year, 49 inches has fallen," said Guinan, who tracks weather for the MU Commercial Agriculture Program.

Guinan said in 115 years of weather records, the only time when back-to-back years were almost as wet was in 1927 and 1928 when 102 inches of precipitation fell.

Missouri's average rainfall is 41 inches per year.

"I've been here 20 years, and this was the first two consecutive years with no drought alerts," Guinan said. "Missouri is a big state, more than 400 miles from northwest to southeast, and we usually have a drought somewhere every year."

An unusual feature of this weather pattern was persistent above-normal rainfall from month to month.

Farm crops responded with two years of record-setting yields, Guinan said, but rain set back planting in both years and harvest delays this year.

"Exceptional rainfall in October, one of our drier months in Missouri, stopped harvest this year," he said. "November warmed up and dried to allow harvest of most of the crop. However, heavy snows in December stopped the late harvest in northwest Missouri, so some crops are still in the field."

Rainfall in both years was accompanied by cooler temperatures.

"I just discovered this in the weather records," Guinan said. "The four-month period from July to October 2009 was the coolest on record." Last year was the coolest year since 1996.

The soil moisture profile is full in most areas. "By the fall, Missouri soils need replenishment with rains normally. Not this year. We'll go into the next crop year with plentiful moisture reserves in the soil and in ponds and lakes."

The unusual weather created winners and losers, Guinan said. Irrigation

farmers did not have to apply much water this year. Haymakers faced delays in baling and wet hay reduced feed value for livestock.

Lawn care providers had a good year, Guinan added. Lawns needed mowing weekly throughout July and August. However, air conditioning salespersons remained idle.

Recreation also was affected with cancelled baseball games and lower attendance at swimming pools.

Will 2010 be another wet one? Guinan said it's hard to predict. "Based on historical records it's highly unlikely to have three exceptionally wet years in a row."

But, he didn't expect to see a second unusually wet year, either.

Guinan oversees a network of automated weather observation stations across the state. Anyone with Internet access can check current and historic conditions, including soil temperatures, by going to <http://agebb.missouri.edu/weather/stations> and clicking on the nearest location. Of the 28 sites, 17 give real-time weather updates every five minutes.

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### AUCTION

SATURDAY, JANUARY 2 — 9:30 AM  
Sterl Hall, 619 N. Rogers, ABILENE, KANSAS

**JEWELRY:** (Approx. 12 Noon): Lots costume jewelry old and new including Czech necklace, Leisner, sterling, ivory earrings, rhinestones, 18K necklace chains, other name brand jewelry.

**ANTIQUES/COLLECTIBLES:** (Approx. 10:00 AM): 1913 Eldridge treadle sewing machine w/oak cabinet; tall wood stool; pine cupboard; graduated wood magazine rack; small wood benches; spittoons, Barnes, KS; other primitives; 2 Aladdin alacite elect. lamps; hanging lamp ratchet; 2 Black Americana pictures child or mother; lg. oval statue of Liberty picture; oil painting boy w/fishing pole by Berman; other old pictures; 2 old wood cabinet console radios; wood Bissell carpet sweeper; wrought iron plant stand; old baskets; sea shells; Depression glass; Fostoria; Cambridge; other old glassware; McCoy; Dryden; Indian head wall pocket; 80 pcs. Jewel Tea "Autumn Leaf" including nesting bowls, coffee pots, Aladdin T-pot, waterless cooker and other pcs.; 2 John Deere cookie jars, 1 USA; John Deere items; antique porcelain, some blue and white; crock brown and white nested bowls w/lids; other pottery; 1940's battery advertising hard rubber box;

advertising yardsticks, many 48"; 1961 10" Gladiator metal statue by sculptor Dr. Avarad Fairbanks awarded to Chevrolet parts managers; beer advertising items; 20"x13" cardboard K.C. Blues Hockey schedule; 2 actual photo postcards 1909 w/locomotives from Herington, KS; 1930's Nebraska train crash photos; RR time tables and RR paper items; KSU Royal Purples 1932 and newer; hunting and guns books; 2 Victor double spring traps; globe; Oriental items including 7 pc. lacquered bowl set; chalkware; **TOYS:** 2 - 1985 Cabbage Patch dolls; pin cushion doll; papier mache nodding tiger; Sambo kite; box Mirro child's cookware; 2 1/2" Blacksmith lead; wood hand made airplane; Fisher Price; Match Box and Hot Wheel; child's books; glass ABC and number plate w/clock face; other toys; 7 Hallmark ornaments in boxes; many other antiques.

**HOUSEHOLD:** (9:30 AM): Queen size bed w/wood 1940's headboard and matching vanity; HD glass top dining table; 1950's White port. sewing machine; Army cot; counter top air bake fast cook oven; Makita 3" belt sander; circular saw; few tools; kitchenwares; other household.

**AUCTION NOTE:** Many boxes not yet unpacked of the antiques and collectibles. There will be some surprises. Sales tax will be assessed. For color photos go to website [www.ksallink.com](http://www.ksallink.com) and click on market place and then auctions. No auction preview.

**TERMS:** Cash or good check with proper ID. Statements made day of auction take precedence over all printed material.

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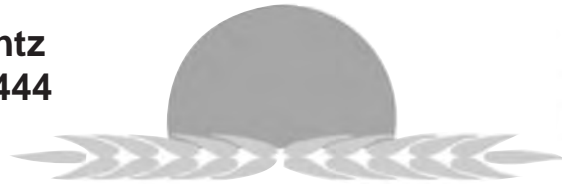
TRACTORS					Sunflower 1444-40 40' disc \$49,500.00 \$44,000.00 MA					1993 JD 925 25' flex \$11,000.00 \$9,500.00 WA				
Model	Hours	List	Sale	Loc.	Krause 4991W 31' disc \$21,500.00 \$18,750.00 MA					JD 653 6RN row head \$1,750.00 \$1,350.00 HW				
2003 Case IH MX230 MFD	4698	\$89,750.00	\$84,500.00	MA	FIELD CULTIVATORS					JD 893 8RN corn head \$26,950.00 \$25,000.00 WA				
<del>2007 Case IH MX305 MFD</del>	<del>SOLD</del>	<del>\$166,000.00</del>	<del>\$166,500.00</del>	<del>GC</del>	Model	List	Sale	Loc.	Model	List	Sale	Loc.		
2006 Case IH MX255 MFD	1255	\$129,500.00	\$126,500.00	HW	<del>Case IH 4800 28.5' FC</del>	<del>SOLD</del>	<del>\$8,750.00</del>	<del>\$7,600.00</del>	MA	2005 JD 893 8RN corn head	\$36,795.00	\$35,000.00	CC	
2005 Case IH MX255 MFD	1588	\$129,500.00	\$124,500.00	HW	Krause 4241 42' FC	\$12,500.00	\$10,000.00	WA	1988 Gleaner Series III 20' flex	\$7,250.00	\$4,500.00	MA		
2006 Case IH MX275 MFD	1123	\$136,500.00	\$132,500.00	MA	Krause 4241 42' FC	\$15,500.00	\$12,500.00	SN	<del>1993 Gleaner Series III 27' rigid</del>	<del>SOLD</del>	<del>\$6,000.00</del>	<del>\$4,500.00</del>	MA	
2008 Case IH MX245 MFD	450	\$135,500.00	\$133,000.00	CC	Wil-Rich 2500 26.3' FC	\$7,500.00	\$4,500.00	MA	<del>Gleaner Series III 20' flex</del>	<del>SOLD</del>	<del>\$3,850.00</del>	<del>\$2,600.00</del>	MA	
2001 Case IH MX180 2wd	2503	\$68,500.00	\$63,500.00	HW	1995 Wil-Rich 3400 45' FC	\$16,500.00	\$14,000.00	MA	Gleaner R27 27' rigid	\$7,750.00	\$6,500.00	MA		
2007 Case IH Puma195 MFD	550	\$87,500.00	\$84,500.00	SN	Kent 6328 disc-o-vator	\$16,500.00	\$15,000.00	HW	Gleaner 6 row wide corn hd.	\$6,500.00	\$4,500.00	MA		
2008 Case IH Puma165 MFD	150	\$92,500.00	\$87,500.00	MA	Fuerst harrow	\$4,950.00	\$4,500.00	CC	1999 Gleaner 800 25' flex	\$10,950.00	\$9,750.00	MA		
2006 Case IH MXU125 MFD w/ldr3357		\$62,500.00	\$56,500.00	HW	HAY EQUIPMENT					1984 Gleaner 315 15' flex	\$3,000.00	\$2,350.00	HW	
2004 Case IH MXM120 MFD	3370	\$51,500.00	\$46,500.00	HW	Model	Hrs.	List	Sale	Loc.	1989 Gleaner 316 16' rigid	\$4,850.00	\$4,350.00	MA	
2008 Case IH Maxxum140 MFD	1452	\$79,500.00	\$75,000.00	WA	2001 Case IH 8870 16' windrower	1700	\$39,500.00	\$37,500.00	MA	Gleaner LM630 6RN corn head	\$2,750.00	\$2,450.00	WA	
1998 Case IH MX100 MFD w/ldr		\$42,500.00	\$40,000.00	CC	2005 Case IH WDX1902 16' wind	827	\$66,500.00	\$63,500.00	MA	Gleaner 630A 6RN corn head	\$3,650.00	\$3,000.00	HW	
1997 Case IH MX110 2wd	6000	\$32,500.00	\$30,000.00	WA	Case IH 8360 12' swather		\$4,850.00	\$4,250.00	WA	1994 Gleaner 400 30' rigid	\$4,500.00	\$3,650.00	MA	
<del>1998 Case IH MX150 MFD w/ldr</del>	<del>SOLD</del>	<del>\$72,500.00</del>	<del>\$69,500.00</del>	<del>MA</del>	1998 Case IH 8370 14' swather		\$8,500.00	\$7,500.00	CC	<del>MF 883 8RN corn head</del>	<del>SOLD</del>	<del>\$17,500.00</del>	<del>\$14,500.00</del>	WA
1997 Case IH MX120 MFD w/ldr	3937	\$52,500.00	\$48,500.00	MA	Case IH 8312 12' swather		\$9,500.00	\$8,000.00	CC	<del>NH 974 8RN corn head</del>	<del>SOLD</del>	<del>\$6,250.00</del>	<del>\$5,500.00</del>	WA
<del>2002 Case IH MX110 MFD</del>	<del>SOLD</del>	<del>\$46,500.00</del>	<del>\$43,500.00</del>	<del>MA</del>	1997 Case IH 8370 14' swather		\$9,500.00	\$9,000.00	CC	<del>NH 973 20' flex</del>	<del>SOLD</del>	<del>\$3,500.00</del>	<del>\$3,000.00</del>	WA
<del>1998 Case IH MX170 MFD w/ldr</del>	<del>SOLD</del>	<del>\$69,500.00</del>	<del>\$67,500.00</del>	<del>WA</del>	Case IH 8360 12' swather		\$5,200.00	\$4,500.00	WA	<del>NH 974 30' rigid</del>	<del>SOLD</del>	<del>\$2,500.00</del>	<del>\$2,250.00</del>	WA
<del>2001 Case IH MX150 MFD w/ldr</del>	<del>SOLD</del>	<del>\$72,500.00</del>	<del>\$69,500.00</del>	<del>HW</del>	1992 Hesston 1160 14' swather		\$7,850.00	\$6,500.00	WA	WAGONS				
<del>1997 Case IH 8920 2wd</del>	<del>SOLD</del>	<del>\$51,500.00</del>	<del>\$48,500.00</del>	<del>WA</del>	1988 Hesston 1160 14' swather		\$4,750.00	\$4,000.00	CC	Model	List	Sale	Loc.	
1998 Case IH 8930 MFD	4692	\$62,500.00	\$58,500.00	SN	1996 Gehl 2275 14' swather		\$10,500.00	\$8,500.00	CC	Gehl 7190 feed wagon	\$3,850.00	\$3,250.00	WA	
1991 Case IH 7120 2wd	3960	\$45,500.00	\$43,500.00	MA	Gehl 2245 12' swather		\$4,500.00	\$3,500.00	CC	2007 Buffalo 440 feed wagon	\$19,000.00	\$17,000.00	WA	
1994 Case IH 7220 MFD	5349	\$52,500.00	\$46,500.00	MA	2002 Case IH RBX451 rd. baler		\$12,000.00	\$9,800.00	SN	Harsh 290 feed wagon	\$18,500.00	\$16,500.00	MA	
<del>1995 Case IH 7220 MFD</del>	<del>SOLD</del>	<del>\$46,500.00</del>	<del>\$44,000.00</del>	<del>MA</del>	2006 Case IH RBX563 rd. baler		\$25,250.00	\$23,000.00	HW	<del>2005 Kelly Ryan 5x12</del>	<del>SOLD</del>	<del>\$7,950.00</del>	<del>\$7,500.00</del>	<del>CC</del>
1997 Case IH 5230 MFD w/ldr	4985	\$42,500.00	\$37,500.00	WA	2000 Case IH RS551 rd. baler		\$8,950.00	\$6,750.00	CC	Kelly Ryan 5x14	\$6,500.00	\$5,400.00	MA	
1991 Case IH 5130 2wd	6854	\$27,500.00	\$24,500.00	MA	2001 Case IH RS561 rd. baler		\$13,500.00	\$11,500.00	MA	Kelly Ryan 5x12	\$6,500.00	\$6,000.00	CC	
<del>1995 Case IH 5230 2wd</del>	<del>SOLD</del>	<del>\$28,500.00</del>	<del>\$26,500.00</del>	<del>MA</del>	2002 Case IH RBX561 rd. baler		\$18,500.00	\$16,250.00	WA	1994 Kelly Ryan 5x12	\$3,500.00	\$3,000.00	WA	
1995 Case IH 5230 2wd w/ldr	2318	\$41,250.00	\$37,500.00	CC	2001 Case IH RS561 rd. baler		\$13,500.00	\$11,500.00	CC	2002 Kelly Ryan 5x14	\$8,950.00	\$8,500.00	WA	
1992 Case IH 5240 MFD	2978	\$36,500.00	\$33,500.00	WA	2005 Case IH RBX562 rd. baler		\$21,500.00	\$18,000.00	CC	KillBros gravity wagon w/auger	\$3,750.00	\$3,000.00	MA	
2005 Case IH DX55 MFD	129	\$30,500.00	\$28,500.00	MA	2005 Case IH RBX562 rd. baler		\$16,500.00	\$14,750.00	CC	Ficklin gravity wagon	\$3,000.00	\$2,750.00	MA	
1989 Case IH 685 2wd	3825	\$15,500.00	\$13,500.00	WA	1994 Case IH 8465 rd. baler		\$16,950.00	\$15,000.00	CC	Ficklin 300 gravity wagon	\$3,250.00	\$2,850.00	MA	
1996 Case IH 3220 2wd	166	\$19,950.00	\$16,750.00	HW	1996 Case IH 8465 rd. baler		\$15,250.00	\$12,750.00	WA	LOADERS/AUGERS				
1983 Case IH 2594 2wd	8771	\$17,500.00	\$14,500.00	WA	Case IH 8460 rd. baler		\$5,500.00	\$4,850.00	WA	Model	Hrs.	List	Sale	Loc.
2005 Case IH STX425 4WD	1200	\$166,500.00	\$162,500.00	MA	1997 Case IH 8480 rd. baler		\$12,900.00	\$11,750.00	WA	Dual 3605 loader w/7'		\$2,995.00	\$2,500.00	CC
1981 IH 3288 2wd w/ldr	8377	\$17,500.00	\$13,800.00	WA	1992 Case IH 8460 rd. baler		\$6,500.00	\$5,500.00	CC	2007 WD XTA-400 loader w/96"		\$13,250.00	\$11,500.00	MA
IH 656 2wd hydro	9220	\$6,500.00	\$5,000.00	WA	2001 Case IH 8775 big sq. baler		\$39,500.00	\$35,000.00	SN	<del>2004 Allied 895 loader w/7'</del>	<del>SOLD</del>	<del>\$6,850.00</del>	<del>\$6,000.00</del>	MA
1981 IH 1086 2wd	8100	\$13,500.00	\$12,000.00	MA	<del>JD 636 rd. baler</del>	<del>SOLD</del>	<del>\$9,250.00</del>	<del>\$8,500.00</del>	CC	2004 Quickie 770 w/9'		\$8,250.00	\$7,500.00	MA
1980 IH 1086 2wd	7385	\$9,500.00	\$8,000.00	WA	<del>2005 JD 667 rd. baler</del>	<del>SOLD</del>	<del>\$23,500.00</del>	<del>\$22,600.00</del>	CC	JD 720 loader w/7'		\$5,250.00	\$4,850.00	MA
1979 IH 986 2wd w/ldr	4595	\$16,500.00	\$13,500.00	HW	2006 NH BR780 rd. baler		\$19,250.00	\$17,000.00	SN	Case IH L605 loader w/7'		\$7,500.00	\$6,850.00	MA
1975 IH 766 2wd	7624	\$14,500.00	\$13,000.00	MA	2001 Hesston 856A rd. baler		\$14,500.00	\$11,000.00	MA	Hutchinson 13x102 auger		\$22,000.00	\$21,000.00	WA
1980 IH 1586 2wd	6045	\$11,500.00	\$9,500.00	CC	1994 Vermeer 605K rd. baler		\$11,500.00	\$8,500.00	SN	WF MK100-71 auger		\$8,250.00	\$7,850.00	MA
IH 1066 2wd w/ldr	8140	\$10,500.00	\$8,750.00	CC	2001 Gehl RB2880 rd. baler		\$14,250.00	\$9,800.00	WA	1972 IH Hough H60B payloader		\$14,750.00	\$12,000.00	CC
1978 IH 986 2wd	986	\$15,000.00	\$13,250.00	CC	2002 Vermeer R23 rake		\$6,500.00	\$6,000.00	WA	Gehl 5635SXT skid loader	2260	\$16,500.00	\$15,000.00	MA
IH 184 Lo-Boy 2wd		\$4,950.00	\$4,500.00	WA	2004 M&W BF10 10 wheel rake		\$6,300.00	\$5,500.00	HW	2002 Gehl SL6635 skid loader	1290	\$20,950.00	\$18,750.00	CC
1980 Case 2290 2wd	8783	\$12,950.00	\$11,500.00	MA	Case IH 960 rake		\$2,950.00	\$2,500.00	CC	1983 Gehl SL4510 skid loader	1900	\$9,250.00	\$6,750.00	CC
1975 JD 4430 2wd w/ldr	8850	\$19,750.00	\$18,250.00	MA	2007 JD 704 14 wheel rake		\$8,500.00	\$7,500.00	HW	2002 Gehl 4635STX skid loader	1975	\$13,750.00	\$12,250.00	MA
2001 JD 4300 MFD w/loader	1966	\$16,500.00	\$13,250.00	HW	COMBINES					2006 Gehl SL6640E skid loader	711	\$28,750.00	\$25,750.00	MA
<del>1989 JD 4766 MFD w/dozer</del>	<del>SOLD</del>	<del>\$52,500.00</del>	<del>\$48,500.00</del>	<del>GC</del>	Model	E. Hrs.	List	Sale	Loc.	2004 Case 40XT skid loader	400	\$19,650.00	\$18,500.00	MA
1980 JD 4440 2wd	6201	\$32,500.00	\$29,500.00	MA	2009 Case IH 7088	920	\$209,500.00	\$205,000.00	MA	2002 Case 70XT skid loader	1219	\$24,000.00	\$23,000.00	WA
1964 JD 3020 2wd	3800	\$7,500.00	\$6,850.00	MA	2009 Case IH 7088	920	\$201,000.00	\$195,000.00	MA	1983 Case 1835B skid loader	787	\$8,950.00	\$7,500.00	MA
1984 Ford 1715 MFD	870	\$13,500.00	\$11,500.00	HW	2004 Case IH 2388	1136	\$152,500.00	\$146,500.00	CC	<del></del>				



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