

Fayette County Agriculture & Natural Resources Newsletter

July 2023



University of Kentucky
College of Agriculture,
Food and Environment
Cooperative Extension Service

Cooperative Extension Service

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PUBLICATION SPOTLIGHT

Forage-related Disorders in Cattle: Nitrate Poisoning (ID-217)

With extended dry weather in many parts of the state there is increased risk of nitrate toxicity in forage stands. Nitrates are natural constituents of all plants. Under normal conditions, plants take up nitrate through their roots and transport it to the leaves for use in photosynthesis. However, photosynthesis decreases under adverse conditions (e.g., drought; hail, frost, insect damage, or herbicides) and potentially toxic nitrate concentrations can remain in the lower stalks and stems. In addition, heavy nitrogen fertilization provides large amounts of available nitrate for uptake.

Publication is available on-line at <http://www2.ca.uky.edu/agcomm/pubs/ID/ID217/ID217.pdf> or by contacting Beau Neal at beau.neal@uky.edu or (859) 257-5582.

Save the Date

Friday, September 22, 2023

Cattle Behavior and Handling with Dr. Temple Grandin

Fayette County Extension, Lexington, KY

****Tickets will go on sale on August 7, 2023****

For more information, please contact Beau Neal by email at beau.neal@uky.edu or by telephone at (859) 257-5582.

Watch our website: fayette.ca.uky.edu

Like us on Facebook:

<https://www.facebook.com/FayetteCoANR/>

Upcoming Events

August 17-27, 2023 ~ Kentucky State Fair, Louisville, KY; For more information, go online to <https://kystatefair.org/>

September 12, 2023 ~ Equine Farm Facilities Expo; Harrodsburg KY; More information to come.

September 20-23, 2023 ~ 128th Annual National Hay Association Convention; Sloan Convention Center, Bowling Green, KY; For more information, please go online to <https://nationalhay.org/>

September 21, 2023 ~ Beef Bash; Versailles, KY; More information to come.

September 27-28, 2023 ~ Fall Grazing School; Versailles, KY; The two day event covers cattle nutrition, pasture improvements and grazing strategies, as well as hands on demonstrations and activities including building temporary fence and water systems. Registration is \$60 and includes educational materials and lunch both days. Space is limited. More information available at <https://forages.ca.uky.edu/Events>

September 28, 2023 ~ Rinse and Return Recycling Program; (anticipated date) Fayette County Extension Office, 1140 Harry Sykes Way, Lexington; 10:00am-12:00pm, back parking lot; For more information, please go online to <https://www.kyagr.com/consumer/pest-and-recycling.html>; For schedule changes and dates in other counties, please go online to https://www.kyagr.com/consumer/documents/es_pest_rinseandreturnschedule.pdf

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Agriculture and Natural Resources
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LEXINGTON, KY 40546



Disabilities accommodated with prior notification.



Easy Peach Cobbler

½ cup whole wheat flour **1½ cups** sugar (divided) **1 tablespoon** lemon juice
½ cup all purpose flour **1 cup** skim milk
1½ teaspoons baking powder **½ cup** unsalted butter **1 teaspoon** ground nutmeg or cinnamon
1 pinch salt **4 cups** fresh peeled peaches

- 1. Preheat** the oven to 375° F. **Combine** the flour, baking powder, salt and $\frac{3}{4}$ cup sugar in a large mixing bowl. **Add** the milk and mix only until the dry ingredients are wet.
 - 2. Melt** the butter and **pour** into a 13 x 9 inch baking dish or pan. **Add** the flour mixture on top of the butter. Do not stir.
 - 3. In** a saucepan, **heat** the peaches, $\frac{3}{4}$ cup sugar and lemon juice until the sugar is dissolved and the peaches are coated. **Pour** evenly over the flour mixture. Do not stir. **Sprinkle** with nutmeg or cinnamon.
 - 4. Bake** for 40 minutes or until crust is golden brown. **Remove** from oven and serve warm.
- Yield:** 12 servings.
Nutritional Analysis: : 190 calories, 8g fat, 5g saturated fat, 80 mg sodium, 20mg cholesterol, 32g carbohydrate, 1g fiber, 24g sugar, 2g protein.

Buying Kentucky Proud is easy. Look for the label at your grocery store, farmers' market, or roadside stand.



For Cook Wild Kentucky recipes, visit:
<https://www.planeatmove.com/recipes>



For Plate It Up! recipes, visit:
<http://fcs-hes.ca.uky.edu/content/plate-it-kentucky-proud>



From the Woods Today

University of Kentucky Forestry and Natural Resources Extension is offering relevant information about woodlands in a weekly internet show. "From the Woods Today" airs live on **Wednesdays at 11:00am EDT**. Links to the live shows are posted on www.fromthewoodstoday.com just prior to the show.

Links to the live show and to previous shows can be found online by visiting:

<https://forestry.ca.uky.edu/woods-today>



www.FromTheWoodsToday.com

Forage Timely Tips: July

Source: UK Forage News <https://kyforagenews.com/>

- Continue grazing available summer annuals (millets, sorghum/Sudangrass, crabgrass, etc.).
- Apply 40-60 lb N/A to stimulate summer annual regrowth.
- Clip pastures late June/early July as needed to maintain vegetative growth and to reduce weed seeds, but don't clip lower than 4".
- Identify fescue pastures for stockpiling. Choose pastures that are well drained, have a strong sod, and have not been overgrazed.
- Soil test pastures to determine fertility needs.
- Using UK variety trial results, select varieties to plant in the fall and order seed.
- Use a designated sacrifice lot to feed livestock hay and supplements as needed if drought sets in and no forage is available for grazing.

Ag Export Growth Subsides Amidst a Changing Global Economy

After achieving a record high of \$196.4 billion in FY 2022 (October 1, 2021- September 30, 2022), USDA has for the second time reduced its 2023 FY forecast for U.S. agricultural trade – down to \$181 billion compared to \$184.5 billion estimate in February and its initial estimate of \$190 billion last November. Increasing crop supplies, lower commodity prices, a relatively higher valued dollar, and a sluggish and a slowing global economy are putting downward pressure on U.S. ag export sales.

The latest trade data (through April 2023) reveals that since the beginning of the year, the value of U.S. ag exports are off 6%, with U.S. corn exports down 35%, beef exports are off 21%, and wheat exports 11% lower compared to the same period last year. While slumping so far in 2023, both corn and beef are coming off record high export levels in recent years. Alternatively, U.S. soybeans export growth continues along with higher dairy and pork exports so far in 2023. Important to Kentucky, bourbon exports continue to soar, while forest exports are trending lower. Tobacco exports are rebounding from record lows as tight supplies of burley worldwide are inducing foreign buyers to purchase limited stocks of U.S. burley.

China is forecast to remain the largest foreign buyer of U.S. agriculture, staying relatively stable in 2023 with U.S. soybean import demand remaining strong despite reportedly attempts from the Chinese government to diversify its import sources. Economic growth in China is forecast to increase from 3% to 5.2% this year as the nation continues to rebound from its COVID-19 challenges. While China's economy will likely rebound this year, economic growth is expected to decline in most other major U.S. markets. Despite its sluggish economy and the on-going U.S./ Mexico GMO trade debate, U.S. ag exports to Mexico are expected to grow this year with Mexico surpassing Canada as the United States' second leading export customer. Collectively, the United States' three largest customers – China, Mexico, and Canada will account for nearly one half of U.S. ag exports in 2023.

Future export market trends for U.S. agriculture will hinge critically on the size of the 2023 U.S. grain crops, future developments of moving grain out of Ukraine amidst the current war with Russia, meat supplies, recovery in global economic growth, and the strength of the U.S. dollar versus major trading partners. While the U.S. dollar has softened a little so far in 2023, higher U.S. interest rates will likely keep the dollar relatively high and thus constrain potential export growth. A lot depends on future actions by the Federal Reserve in its attempts to reduce inflationary pressures on the U.S. economy.

Agricultural imports into the United States continue to grow leading to an anticipated record trade deficit for U.S. agriculture for FY 2023 forecast at \$14.5 billion. In fact, after recording annual trade surpluses for decades, U.S. agriculture has recorded trade deficits 3 out of the past 5 fiscal years. While U.S. food companies purchase foreign goods that compete with U.S. ag commodities/ products and to address seasonality issues, food import demand has been increasing given the diversity of a changing demographic consumer base. Hispanic and Asian residents represent the fastest growing consumer bases in the United States who bring much different food preferences to the traditional American food basket. As Americans have become more diverse, wealthier, and travel abroad, the composition of the American diet reflects a larger share of ethnic foods, tropical products, spices, and imported gourmet food items and beverages. Foreigners traveling in the United States also discover many unique foods/beverages (e.g., country ham, bourbon) which create export opportunities for U.S. food and ag-related companies. However, enhanced international competition for U.S. ag exporters coupled with the anticipated growing demand for imported ag/food product trends will likely challenge the existence of future large U.S. ag trade surpluses.

Source: Will Snell, Economic and Policy Update (23):6, Department of Agricultural Economics, University of Kentucky, June 29th 2023.

Corn, Soybean, Tobacco Field Day is July 25 in Princeton

By Aimee Nielson

The U.S. Department of Agriculture reported that corn and soybean crops contributed nearly \$3 billion to Kentucky's economy in 2022. Tobacco contributed another \$2.4 billion. To support the state's corn, soybean and tobacco producers, the University of Kentucky Martin-Gatton College of Agriculture, Food and Environment will offer the 2023 Corn, Soybean and Tobacco Field Day July 25 at the college's Research and Education Center farm in Princeton.

The field day will begin with sign-in at 7:30 a.m. CDT and tours begin at 8 a.m. UK Cooperative Extension specialists will lead tours and discussions that will allow attendees to customize their field day experience and get the most relevant information for their production systems.

Topics and tours include

- corn diseases
- comparing wheat, barley and rye cover crops before corn
- evaluating biological nitrogen fixation for corn
- battling problematic weeds
- corn and soybean outlook
- spraying for caterpillars in soybeans
- red crown rot of soybeans—a new disease in Kentucky
- flea beetle management
- old and new tobacco varieties
- potassium chloride use in tobacco
- effect of fungicides on cigar wrapper leaf production
- UKREC tobacco barn construction update
- understanding the new “non-certified pesticide applicator” category

Lunch sponsors include Kentucky Corn Promotion Council, Kentucky Soybean Board and Altria Client Services. **Organizers encourage preregistration for meal planning and any last-minute announcements.** Register here <https://tinyurl.com/2wj9ea8n>.

Each tour will have its own set of continuing education units for pesticide applicators and Certified Crop Advisors:

- Grain crops IPM stop: CCA 1 PM; Pesticide: one hour, category four,
- Grain crops management stop: CCA: 1 CM, pesticide one hour, category 10
- Tobacco stop: CCA 0.5 CM, 0.5 PM, pesticide one hour, category 1A



The UK Research and Education Center Farm address is 1205 Hopkinsville St. in Princeton. For more information, contact Colette Laurent, UK extension grain crops coordinator, claurent@uky.edu or 270-365-7541, extension 21321.

Past field day visitors enjoy a hayride tour at the UKREC in Princeton. Photo by Matt Barton

Weekly Kentucky Cattle and Grain Summary

USDA Livestock, Poultry and Grain Market News

Frankfort, KY

Monday, July 10, 2023

For Week Ending:

Saturday, July 8, 2023

Receipts: 3,719

Last Week: 13,580

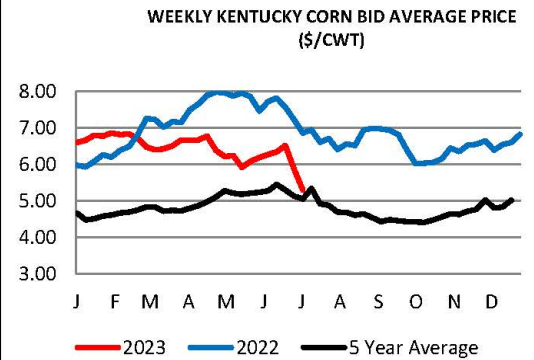
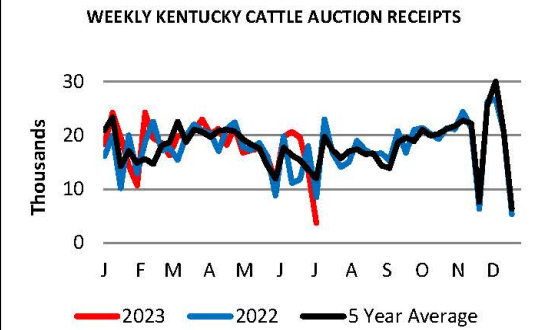
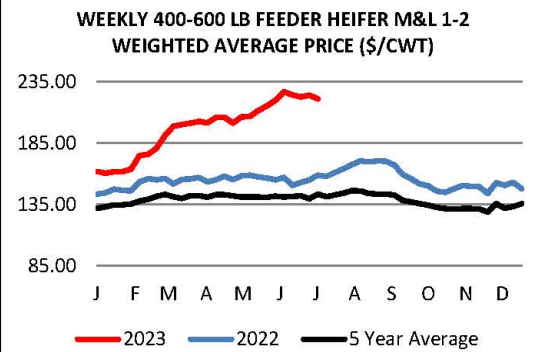
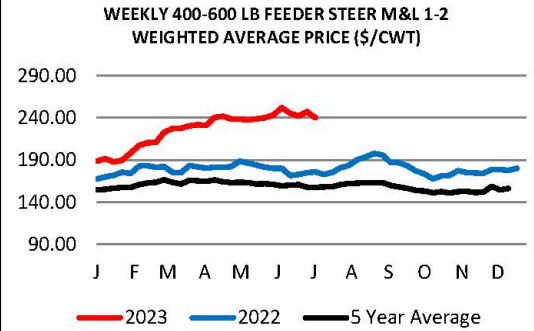
Last Year: 8,494

There are no trends available as markets were closed for the 4th of July holiday.

[View Full Summary](#)

STATE AVERAGES

Steers (M&L 1-2)	This Week	Prior Week	Last Year
350-400 lbs	223.99	246.13	184.09
400-450 lbs	222.12	245.99	182.59
450-500 lbs	227.64	242.09	177.72
500-550 lbs	222.07	240.83	172.53
550-600 lbs	224.37	236.65	169.68
600-650 lbs	221.60	234.77	163.09
650-700 lbs	227.74	220.29	172.69
700-750 lbs	215.44	211.35	160.91
750-800 lbs	215.35	212.57	159.28
800-850 lbs	213.53	203.51	147.99
850-900 lbs	209.00	204.81	160.98
Heifers (M&L 1-2)			
300-350 lbs	213.64	223.46	158.29
350-400 lbs	216.64	224.74	154.13
400-450 lbs	219.16	223.69	154.21
450-500 lbs	218.88	222.85	152.51
500-550 lbs	211.80	217.45	151.61
550-600 lbs	207.44	213.44	149.44
600-650 lbs	203.52	201.19	143.10
650-700 lbs	193.36	202.09	136.75
700-750 lbs	191.98	179.03	139.56
750-800 lbs	193.61	178.63	133.72



WEEKLY COW SUMMARY

Slaughter Cows	Average	High	Low
Breakers	97.00-113.00	103.00-120.00	62.00
Boners	90.00-115.00	100.00-136.00	70.00-87.00
Lean	76.50-98.00	91.00-113.50	65.00-89.00
Slaughter Bulls	Average	High	Low
Yield Grade 1&2	110.00-128.00	122.00-135.00	96.00-115.00

June 22, 2023

Bowling Green, KY

SLAUGHTER GOATS: 472

Kids Selection 1: 57 lbs 265.00; 74 lbs 305.00. **Selection 1-2** 88 lbs 315.00.
Selection 2: 47 lbs 235.00; 53 lbs 275.00; 65-68 lbs 270.00-311.00; 70 lbs 270.00.

SLAUGHTER SHEEP: 1,131

Hair Breeds-Choice & Prime 1-2 57 lbs 181.00; 71 lbs 169.00-190.00; 89 lbs 162.50-188.00; 91 lbs 161.00; 123 lbs 152.50. **Choice 2** 52-57 lbs 150.00-188.00; 68 lbs 162.50; 92 lbs 169.50; 110-145 lbs 112.50-135.00. **Woolled-Choice & Prime 1-2** 58 lbs 152.50; 89 lbs 163.00; 90 lbs 165.00; 110-111 lbs 147.50-... [View Full Report](#)

[View Latest Grain Report](#)

GRAINS	This Week	Prior Week	Last Year
Corn	4.47-5.74	4.99-6.57	5.97-7.76
Soybeans	13.97-15.88	13.41-15.72	13.84-16.38
Red Winter Wheat	5.47-6.59	5.51-7.19	6.97-8.69

USDA-KY Livestock, Poultry & Grain Market News
 Frankfort, KY
 Levi Geyer, OIC 502-782-4139
 Email: Levi.Geyer@usda.gov
[USDA Livestock, Poultry, and Grain Market News](#)



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Fayette County Cooperative Extension Agriculture & Natural Resources Newsletter

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