

Tennessee Market Highlights

UTEXTENSION
INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

October 28, 2022

Number: 43

Trends for the Week Compared to a Week Ago

Slaughter Cows

\$2 to \$3 lower

Slaughter Bulls

steady to \$3 lower

Feeder Steers

steady to \$3 higher

Feeder Heifers

\$2 to \$6 higher

Feeder Cattle Index: 174.78

Fed Cattle

The 5-area live price on Thursday of \$151.84 was up \$1.78. The dressed price of \$239.83 was up \$4.57.

Corn

December closed at \$6.80 a bushel, down 4 cents since last Friday.

Soybeans

November closed at \$13.87 a bushel, down 8 cents since last Friday.

Wheat

December closed at \$8.29 a bushel, down 21 cents since last Friday.

Cotton

December closed at 72.11 cents per lb, down 7.02 cents since last Friday.

Livestock Comments by Dr. Andrew P. Griffith

FED CATTLE: Fed cattle traded \$2 higher compared to last week on a live basis. Prices on a live basis were mainly \$150 to \$153 while dressed prices were mainly \$239 to \$240.

The 5-area weighted average prices thru Thursday were \$151.84 live, up \$1.78 compared to last week and \$239.83 dressed, up \$4.57 from a week ago. A year ago, prices were \$126.29 live and \$199.88 dressed.

Finished cattle prices inched higher again this week as cattle feeders gain more leverage. The October cattle on feed report was not terribly bullish cattle, but it certainly is a precursor of what is to come. The expectation is for the number of cattle on feed to decline given the increased quantity of heifers slaughtered in 2022 and the increase in cow slaughter. The increased slaughter of females is certain to result in smaller calf crops the next few years, and that could be extended if significant moisture is not received in drought stressed regions of the country. There are so many dynamics to this market including internal and external factors that it is extremely difficult to predict the exact timing of anything.

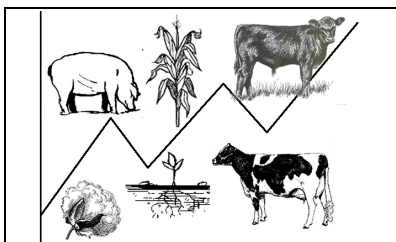
BEEF CUTOUT: At midday Friday, the Choice cutout was \$263.22 up \$0.73 from Thursday and up \$9.49 from a week ago. The Select cutout was \$234.57 up \$2.66 from Thursday and up \$8.98 from last week. The Choice Select spread was \$28.65 compared to \$28.14 a week ago.

Choice boxed beef prices are at their highest level in two months and have increased nearly \$16 per hundredweight over the past two weeks. The chuck primal is leading the surge in prices as chuck prices have increased 12 percent the past two weeks. The secondary drivers of the increased Choice cutout price are the rib primal and loin primal, which have in-

creased six and five percent, respectively. As cattle supplies tighten and fewer cattle are slaughtered, the price of beef is likely to be supported as long as beef demand remains constant. The same can be said for Select grade beef as the quantity supplied will decrease as cattle slaughter decreases. The primary concern as it relates to wholesale beef prices is if the consumer can and will continue to pay the high retail price of beef. As inflation continues and as interest rates increase, consumer purchasing power declines. If the economy moves into a recession phase then the beef industry may come under some pressure. It will then be a matter of how supply and demand find equilibrium.

OUTLOOK: Based on Tennessee weekly auction average prices, steer prices were mainly steady to \$3 higher compared to last week while heifer prices were \$2 to \$6 higher compared to a week ago. Slaughter cow prices were \$2 to \$3 lower compared to a week ago while bull prices were steady to \$3 lower compared to the previous week. Calf prices trended in an unanticipated direction this week as the price of most classes of calves and feeder cattle increased. This unexpected increase is largely associated with feeder cattle futures trading a little higher than the previous week, which pushed the cash price higher. Cash prices and futures prices are looking for convergence as the October feeder cattle contract nears its expiration. Based on the most recent CME feeder cattle index reading and the current October futures price, there is still more than a \$1 per hundredweight gap between futures and cash prices. However, this gap is rather small relative to some of the price differences seen the past several months. Given last week's cattle on feed report, which reported fewer cattle on feed compared to the same month a year ago, it

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Livestock Comments by Dr. Andrew Griffith

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would appear that market participants are slowly realizing there are actually going to be fewer cattle available moving forward than what have been made available the past several months. Calf and feeder cattle inventories will continue to tighten the next couple of years, which makes it sound like there will continue to be plenty of animals available to fill feedlot pens, but the market participants are already staring tight supplies in the face. There will be strong competition for calves and feeder cattle moving forward. This competition will lend itself to stronger prices at all points in the supply chain. Cow-calf producers will likely experience increased profits the next few years while stocker and feedlot operators will need more capital to play the game.

ASK ANDREW, TN THINK TANK: A technical question concerning LRP insurance was asked this week. The producer asked me to calculate what his LRP payment would be on his policy if the policy was indemnified today. Thus, I thought it would be beneficial to go through a similar example as his. Assume the insurance policy is for 500 pound steers with a coverage price of \$204 per hundredweight and a producer premium of \$4 per hundredweight. The CME feeder cattle

index was \$175 the day I performed the calculations. For steers less than 600 pounds, the CME feeder cattle index must be adjusted using a price adjustment factor of 110 percent based on LRP rules and regulations. Thus, the \$204 coverage price must be compared to \$192.50 (\$175 x 110%). Given the coverage price, the producer premium, and the adjusted feeder cattle index, the owner of the policy would receive a payment of \$7.50 per hundredweight (\$204 - \$4 - \$192.50). This would result in an insurance payment of \$37.50 per 500 pound steer covered.

Please send questions and comments to agriff14@utk.edu or send a letter to Andrew P. Griffith, University of Tennessee, P.O. Box 160, 1000 Main Entrance Dr., Spring Hill, TN 37174.

FRIDAY'S FUTURES MARKET CLOSING PRICES: Friday's closing prices were as follows: Live/fed cattle –December \$153.00 -0.43; February \$156.33 -0.53; April \$159.23 -0.28; Feeder cattle –November \$177.88 -0.25; January \$180.38 -0.08; March \$182.58 +0.13; April \$186.48 +0.15; December corn closed at \$6.81 down 2 cents from Thursday.

Crop Comments by Dr. Aaron Smith

Overview

Corn, cotton, soybeans, and wheat were down for the week.

Over the past 5-years, 56% of U.S. soybean exports have occurred from October to January; 45% of cotton exports from February to May; 43% of corn exports from March to June; and 37% of wheat exports from March to June. As such, the normal export window for soybeans and cotton are more compressed, while wheat is more evenly distributed across all months of the year. The challenges for exports this year, particularly for soybeans given the time of year, continue to be low water levels on the Mississippi River and a high US dollar. Low water levels have dramatically reduced the quantity of soybeans moving down the Mississippi River and has substantially increased transportation costs. The USD index remains at the highest level since May 2002. A high USD makes U.S. agricultural products comparatively more expensive to importing countries.

For soybeans, a major challenge ahead is the projected record crop in Brazil (currently estimated at 5.584 billion bushels). If record production is realized in Brazil and U.S. exports continue to lag the normal pace from November through January, soybean importers will have the ability to be more discerning regarding the country of origin and price that soybean purchases will occur. This would result in lower prices to U.S. producers and exporters. Should weather dramatically reduce the size of the Brazilian soybean crop then it is likely that the export window in the U.S. will extend, and USDA soybean export targets achieved, resulting in prices holding or even improving. Thus, producers have a difficult decision. Do they store soybeans and hope for price improvements or take current market offerings foregoing a potential rally?

Cotton prices have been hit hard by global economic concerns, a strong USD, and reduced export demand. The December cotton contract has shed 47.48 cents (40% of its value) falling from 119.59 cents on August 16 to 72.11 cents on October 28. The decline in prices has occurred despite U.S. production estimated at its lowest level (13.812 million bales) since 2015 and U.S. stocks projected at the lowest level since the end of the 2016/17 marketing year. Prices for the 2022 crop are likely to improve, however this will require export demand to return to the U.S. market which may not occur until early 2023.

	Previous	Current	Change
USD Index	111.78	110.64	-1.14
Crude Oil	85.11	87.94	2.83
DJIA	31,083	32,834	1,751

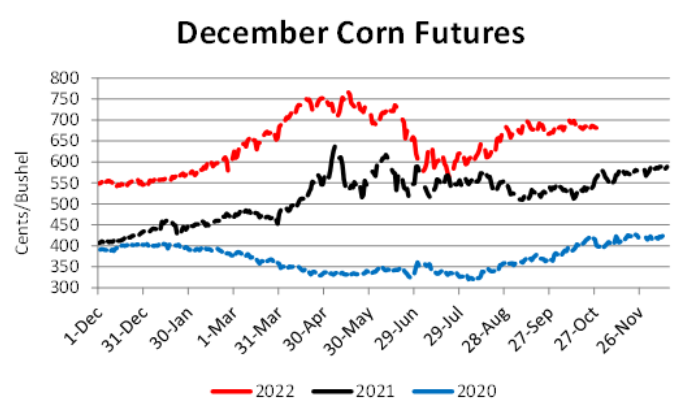
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Crop Comments by Dr. Aaron Smith

Corn

Ethanol production for the week ending October 21 was 1.033 million barrels per day, up 17,000 from the previous week. Ethanol stocks were 22.291 million barrels, up 447,000 compared to last week. Corn net sales reported by exporters for October 14-20 were 10.4 million bushels for the 2022/23 marketing year. Exports for the same period were up 52% compared to last week at 24.4 million bushels. Corn export sales and commitments were 26% of the USDA estimated total annual exports for the 2022/23 marketing year (September 1 to August 31) compared to the previous 5-year average of 39%. Nationally, the Crop Progress report estimated corn mature at 97% compared to 94% last week, 100% last year, and a 5-year average of 97%; and corn harvested at 61% compared to 45% last week, 64% last year, and a 5-year average of 52%. In Tennessee, corn harvested was estimated at 94% compared to 89% last week, 85% last year, and a 5-year average of 92%. Across Tennessee, average corn basis (cash price-nearby futures price) weakened or remained unchanged at Northwest, North-Central, and West-Central elevators and barge points and strengthened at West and Mississippi River elevators and barge points. Overall, basis for the week ranged from 84 under to 10 over, with an average of 43 under the December futures at elevators and barge points. New crop cash prices ranged from \$6.27 to \$7.11 at elevators and barge points. December 2022 corn futures closed at \$6.80, down 4 cents since last Friday. For the week, December 2022 corn futures traded between \$6.76 and \$6.89. Dec/Mar and Dec/Dec future spreads were 6 and -59 cents.

Corn	Dec 22	Change	Mar 23	Change
Price	\$6.89	\$0.06	\$6.96	\$0.05
Support	\$6.78	\$0.12	\$6.86	\$0.12
Resistance	\$7.09	\$0.17	\$7.15	\$0.15
20 Day MA	\$6.82	\$0.02	\$6.88	\$0.03
50 Day MA	\$6.63	\$0.08	\$6.70	\$0.09
100 Day MA	\$6.57	-\$0.03	\$6.63	-\$0.02
4-Week High	\$7.06	\$0.07	\$7.11	\$0.09
4-Week Low	\$6.61	\$0.02	\$6.67	\$0.03
Technical Trend	Up	+	Up	+



March 2023 corn futures closed at \$6.86, down 4 cents since last Friday. December 2023 corn futures closed at \$6.23, down 3 cents since last Friday. Downside price protection could be obtained by purchasing a \$6.30 December 2023 Put Option costing 64 cents establishing a \$5.66 futures floor.

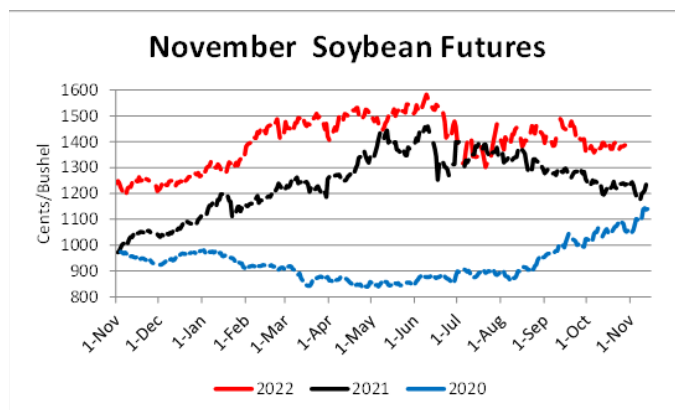
Soybeans

Across Tennessee, average soybean basis strengthened or remained unchanged at West, Northwest, West-Central, and North-Central elevators and barge points and weakened at Mississippi River elevators and barge points. Basis ranged from 104 under to 22 under, with an average basis of 78 under the November futures contract. Soybean net weekly sales reported by exporters were 37.7 million bushels for the 2022/23 marketing year. Exports for the same period were up 45% compared to last week at 101 million bushels. Soybean export sales and commitments were 57% of the USDA estimated total annual exports for the 2022/23 marketing year (September 1 to August 31), compared to the previous 5-year average of 54%. Nationally, the Crop Progress report estimated soybeans harvested at 80% compared to 63% last week, 71% last year, and a 5-year average of 67%. In Tennessee, soybean condition was estimated at 53% good-to-excellent and 11% poor-to-very poor; soybeans dropping leaves at 96% compared to 93% last week, 88% last year, and a 5-year average of 97%; and soybeans harvested at 61% compared to 46% last week, 42% last year, and a 5-year average of 52%. Nov/Dec 2022 soybean-to-corn price ratio was 2.04 at the end of the week. November 2022 soybean futures closed at \$13.87, down 8 cents since last Friday. For the week, November 2022 soybean futures traded between \$13.66 and \$13.87. Nov/Jan and Nov/Nov future spreads were 13 and -28 cents.

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Crop Comments by Dr. Aaron Smith

Soybeans	Nov 22	Change	Jan 23	Change
Price	\$13.87	-\$0.08	\$14.00	-\$0.04
Support	\$13.68	\$0.02	\$13.79	\$0.04
Resistance	\$14.01	-\$0.11	\$14.11	-\$0.11
20 Day MA	\$13.80	-\$0.04	\$13.90	-\$0.04
50 Day MA	\$14.11	-\$0.02	\$14.18	-\$0.02
100 Day MA	\$14.16	-\$0.08	\$14.23	-\$0.07
4-Week High	\$14.25	-\$0.51	\$14.35	-\$0.46
4-Week Low	\$13.50	\$0.00	\$13.62	\$0.00
Technical Trend	Up	+	Up	+

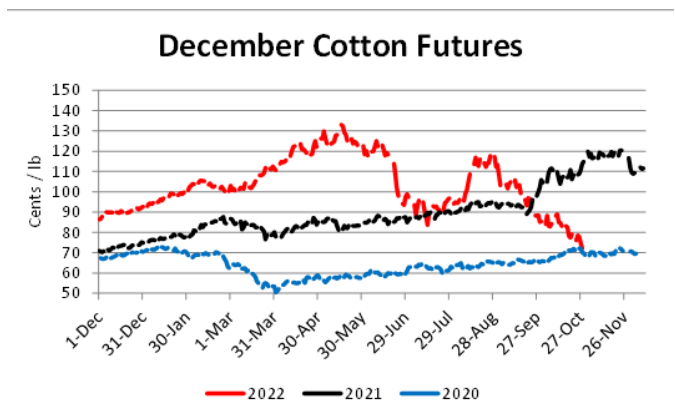


January 2023 soybean futures closed at \$14.00, down 4 cents since last Friday. New crop cash soybean prices at elevators and barge points ranged from \$12.87 to \$13.72. November 2023 soybean futures closed at \$13.59, down 2 cents since last Friday. Downside price protection could be achieved by purchasing a \$13.60 November 2023 Put Option which would cost 99 cents and set a \$12.61 futures floor. Nov/Dec 2023 soybean-to-corn price ratio was 2.19 at the end of the week.

Cotton

Delta upland cotton spot price quotes for October 27 were 78.11 cents/lb (41-4-34) and 80.36 cents/lb (31-3-35). Adjusted world price (AWP) was down 4.81 cents at 68.95 cents. Cotton net weekly sales reported by exporters were 68,400 bales for the 2022/23 marketing year and 7,100 bales for the 2023/24 marketing year. Exports for the same period were up 7% compared to last week at 177,600 bales. Upland cotton export sales were 72% of the USDA estimated total annual exports for the 2022/23 marketing year (August 1 to July 31), compared to the previous 5-year average of 62%. Nationally, the Crop Progress report estimated cotton condition at 30% good-to-excellent and 45% poor-to-very poor; cotton bolls opening at 92% compared to 89% last week, 90% last year, and a 5-year average of 91%; and cotton harvested at 45% compared to 37% last week, 34% last year, and a 5-year average of 39%. In Tennessee, cotton condition was estimated at 55% good-to-excellent and 11% poor-to-very poor; cotton bolls opening at 96% compared to 93% last week, 88% last year, and a 5-year average of 97%; and cotton harvested at 51% compared to 32% last week, 24% last year, and a 5-year average of 48%. December 2022 cotton futures closed at 72.11 cents, down 7.02 cents since last Friday. For the week, December 2022 cotton futures traded between 72.11 and 80.8 cents. Dec/Mar and Dec/Dec cotton futures spreads were -0.04 cents and -0.95 cents.

Cotton	Dec 22	Change	Mar 23	Change
Price	72.11	-7.02	72.07	-6.48
Support	70.64	-3.52	70.48	-3.61
Resistance	79.29	-3.13	78.83	-3.00
20 Day MA	81.63	-2.79	80.61	-2.28
50 Day MA	94.26	-3.71	92.05	-3.44
100 Day MA	97.74	-2.17	94.79	-1.96
4-Week High	90.52	-7.25	88.78	-6.00
4-Week Low	72.11	-3.69	71.81	-3.92
Technical Trend	Down	=	Down	=



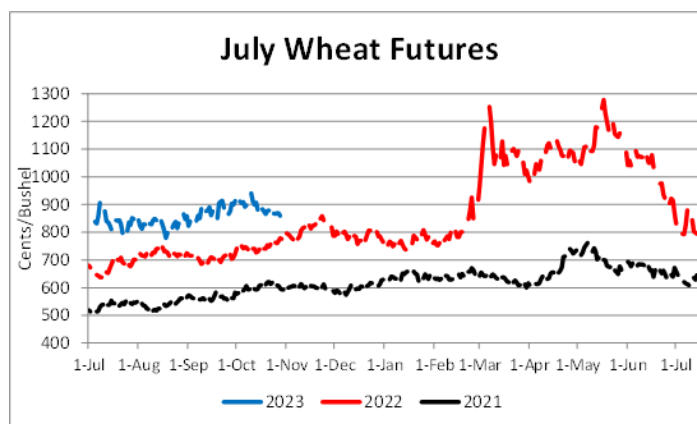
March 2023 cotton futures closed at 72.07 cents, down 6.48 cents since last Friday. December 2023 cotton futures closed at 71.16 cents, down 3.41 cents since last Friday. Downside price protection could be obtained by purchasing a 72 cent December 2022 Put Option costing 10.03 cents establishing a 61.97 cent futures floor.

Crop Comments by Dr. Aaron Smith

Wheat

Wheat net weekly sales reported by exporters were 19.6 million bushels for the 2022/23 marketing year. Exports for the same period were down 44% compared to last week at 5.0 million bushels. Wheat export sales were 56% of the USDA estimated total annual exports for the 2022/23 marketing year (June 1 to May 31), compared to the previous 5-year average of 61%. Wheat cash prices at elevators and barge points ranged from \$7.84 to \$8.29. December 2022 wheat futures closed at \$8.29, down 21 cents since last Friday. December 2022 wheat futures traded between \$8.22 and \$8.58 this week. December wheat-to-corn price ratio was 1.22. March 2023 wheat futures closed at \$8.49, down 20 cents since last Friday. Dec/Mar and Dec/Jul future spreads were 20 and 32 cents.

Wheat	Dec 22	Change	Jul 23	Change
Price	\$8.29	-\$0.21	\$8.61	-\$0.17
Support	\$8.18	\$0.00	\$8.49	-\$0.01
Resistance	\$8.67	-\$0.11	\$8.93	-\$0.09
20 Day MA	\$8.69	-\$0.13	\$8.88	-\$0.06
50 Day MA	\$8.55	\$0.04	\$8.73	\$0.05
100 Day MA	\$8.69	-\$0.12	\$8.83	-\$0.10
4-Week High	\$9.49	\$0.00	\$9.49	\$0.00
4-Week Low	\$8.22	-\$0.10	\$8.54	-\$0.05
Technical Trend	Down	=	Down	=



Nationally, the Crop Progress report estimated winter wheat planted at 79% compared to 69% last week, 79% last year, and a 5-year average of 78%; and winter wheat emerged at 49% compared to 38% last week, 53% last year, and a 5-year average of 56%. In Tennessee, winter wheat condition was 54% good-to-excellent and 4% poor-to-very poor; winter wheat planted at 46% compared to 29% last week, 47% last year, and a 5-year average of 45%; and winter wheat emerged at 20% compared to 11% last week, 27% last year, and a 5-year average of 23%. New crop wheat cash prices at elevators and barge points ranged from \$8.00 to \$8.44. July 2023 wheat futures closed at \$8.61, down 17 cents since last Friday. Downside price protection could be obtained by purchasing an \$8.70 July 2023 Put Option costing 104 cents establishing a \$7.66 futures floor.

Additional Information:

Links for data presented:

U.S. Export Sales - <https://apps.fas.usda.gov/export-sales/esrd1.html>

USDA FAS: Weekly Export Performance Indicator – <https://apps.fas.usda.gov/esrquery/esrpi.aspx>

EIA: Weekly ethanol Plant Production - https://www.eia.gov/dnav/pet/pet_pnp_wprode_s1_w.htm

EIA: Weekly Supply Estimates - https://www.eia.gov/dnav/pet/pet_sum_sndw_a_EPOOXE_sae_mbb1_w.htm

Upland Cotton Reports - <https://www.fsa.usda.gov/FSA/epasReports?area=home&subject=ecpa&topic=fta-uc>

Tennessee Crop Progress - https://www.nass.usda.gov/Statistics_by_State/Tennessee/Publications/

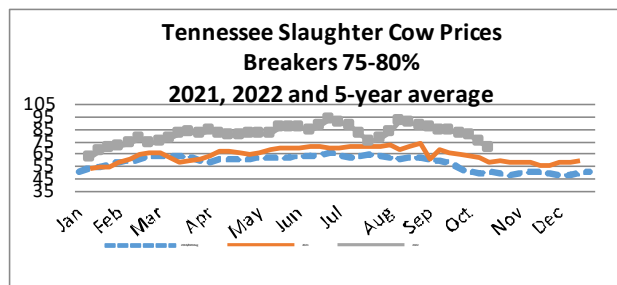
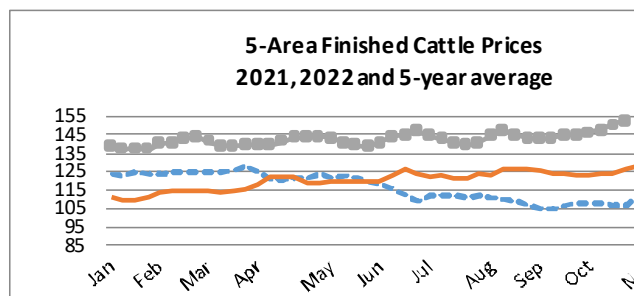
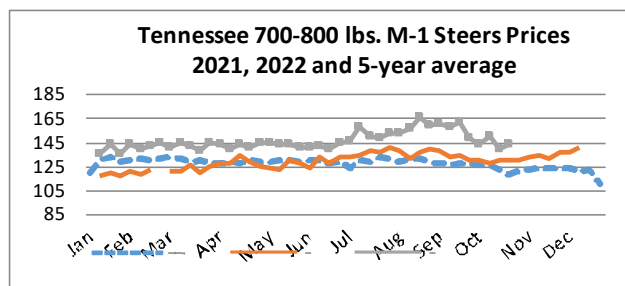
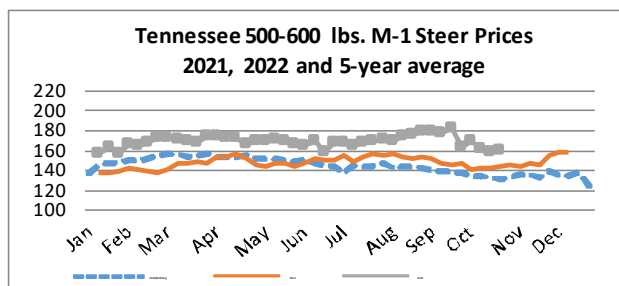
[Crop Progress & Condition/](#)

U.S. Crop Progress - <http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1048>

USDA AMS: Market News - <https://www.ams.usda.gov/market-news/search-market-news>

If you would like further information or clarification on topics discussed in the crop comments section or would like to be added to our free email list please contact me at aaron.smith@utk.edu.

Prices Paid to Farmers by Elevators					
Friday, October 21, 2022---Thursday, October 27, 2022					
	Friday Average	Monday Average	Tuesday Average	Wednesday Average	Thursday Average
No. 2 Yellow Soybeans	-----\$/bushel-----				
Northwest	13.11	12.87	12.97	13.07	13.07
North Central	13.01	12.92	13.12	12.97	12.97
West Central	13.10	12.87	12.97	12.97	13.12
West	13.20	12.96	13.60	13.14	13.27
Mississippi River	12.96	12.79	12.85	12.78	12.79
Yellow Corn					
Northwest	6.69	6.67	6.71	6.70	6.67
North Central	6.09	6.07	6.11	6.10	6.07
West Central	6.94	6.92	6.76	6.75	6.72
West	6.44	6.42	6.46	6.49	6.47
Mississippi River	5.87	5.98	6.07	6.01	6.02
Wheat					
Northwest	8.01	7.89	7.85	7.91	7.89
North Central					
West					
Mississippi River	8.38	8.27	8.25	8.29	8.29
Cotton	-----\$/pound-----				
Memphis	82.13-84.38	79.13-81.38	81.47-83.72	80.82-83.07	78.11-80.36



Futures Settlement Prices: Crops & Livestock

Corn: <https://www.cmegroup.com/trading/agricultural/grain-and-oilseed/corn.html>

Soybeans: <https://www.cmegroup.com/trading/agricultural/grain-and-oilseed/soybean.html>

Wheat: <https://www.cmegroup.com/trading/agricultural/grain-and-oilseed/wheat.html>

Soybean Meal: <https://www.cmegroup.com/trading/agricultural/grain-and-oilseed/soybean-meal.html>

Cotton: <https://www.theice.com/products/254/Cotton-No-2-Futures/data?marketId=5352193>

Live Cattle: <https://www.cmegroup.com/trading/agricultural/livestock/live-cattle.html>

Feeder Cattle: <https://www.cmegroup.com/trading/agricultural/livestock/feeder-cattle.html>

Lean Hogs: <https://www.cmegroup.com/trading/agricultural/livestock/lean-hogs.html>

Class III Milk: <https://www.cmegroup.com/trading/agricultural/dairy/class-iii-milk.html>

Prices on Tennessee Reported Livestock Auctions for the week ending Monday, October 24, 2022

	This Week			Last Week's	Year Ago
	Low	High	Weighted Average	Weighted Average	Weighted Average
-----\$/cwt-----					
Steers: Medium/Large Frame #1-2					
300-400 lbs	149.00	200.00	176.70	177.73	164.14
400-500 lbs	152.00	194.00	173.81	170.42	152.18
500-600 lbs	143.00	172.50	159.88	157.76	143.72
600-700 lbs	133.00	163.00	148.94	150.98	135.51
700-800 lbs	123.00	157.00	143.66	139.96	130.23
Steers: Small Frame #1-2					
300-400 lbs	122.50	137.50	129.65	139.10	132.25
400-500 lbs	142.50	155.00	150.02	136.35	128.81
500-600 lbs	115.00	157.00	140.89	131.96	124.88
600-700 lbs	---	---	---	---	121.67
Steers: Medium/Large Frame #3					
300-400 lbs	120.00	167.00	152.29	162.41	140.14
400-500 lbs	140.00	160.00	151.04	151.35	140.59
500-600 lbs	122.50	155.00	140.55	141.65	125.74
600-700 lbs	110.00	144.00	127.98	126.87	120.18
700-800 lbs	106.00	126.00	117.35	127.05	118.70
Holstein Steers					
300-400 lbs	---	---	---	---	---
500-600 lbs	---	---	---	---	---
700-800 lbs	---	---	---	---	---
Slaughter Cows & Bulls					
Breakers 75-80%	58.00	79.00	69.18	69.69	58.61
Boners 80-85%	57.00	78.00	65.98	67.96	57.03
Lean 85-90%	45.00	73.00	58.30	60.16	48.62
Bulls YG 1	80.00	105.00	93.49	95.70	86.53
Heifers: Medium/Large Frame #1-2					
300-400 lbs	130.00	172.00	154.61	146.16	129.80
400-500 lbs	125.00	164.00	143.54	146.77	128.53
500-600 lbs	122.50	152.00	137.23	136.90	123.67
600-700 lbs	114.00	144.00	129.68	129.83	118.78
Heifers: Small Frame #1-2					
300-400 lbs	119.00	127.00	123.00	125.60	120.02
400-500 lbs	---	---	---	124.45	119.38
500-600 lbs	---	---	---	112.53	108.27
600-700 lbs	---	---	---	---	90.00
Heifers: Medium/Large Frame #2-3					
300-400 lbs	110.00	161.00	139.15	133.31	122.13
400-500 lbs	101.00	155.00	132.86	132.02	117.89
500-600 lbs	95.00	140.00	126.90	122.53	109.52
600-700 lbs	105.00	130.00	116.25	120.99	102.51

Cattle Receipts

This week: 6,998

Week ago: 7,660

Year ago: 9,491

Link to report: https://www.ams.usda.gov/mnreports/ams_2063.pdf

Graded Sales, Video Board Sales, Video Sales & Loads

East Tennessee Livestock Center Graded Feeder Cattle Sale - Sweetwater, TN

Weighted Average Report for 10/22/2022

For complete report:

https://www.ams.usda.gov/mnreports/ams_2073.pdf

Warren Co. Livestock Graded Sale - McMinnville, TN

Weighted Average Report for 10/27/2022

For complete report:

https://www.ams.usda.gov/mnreports/ams_2079.pdf

Graded Goat & Sheep Sales

Columbia Graded Sheep and Goat Sale-Columbia, TN

Weighted Average Report for 10/24/22

Total Receipts: 989

For complete report:

https://www.ams.usda.gov/mnreports/ams_2081.pdf

Department of Agricultural and Resource Economics

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USDA / Tennessee Department of Agriculture Market News Service <https://www.tn.gov/agriculture/farms/news.html>

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