

U.S. economic growth has remained resilient amid rising interest rates and higher inflation.



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ource: U.S. Bureau of Labor Statistics

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Source: U.S. Bureau of Labor Statistics and Consumer Price Index Arthur Capper Cooperative Center

Retail sales are rising, but in nominal terms. Inflation adjusted retail sales indicates consumer demand is flat.



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Monetary policy transmission mechanisms



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Source: Gordon Sellon (2003) "Monetary Policy and the Zero Bound: Policy Options When Short-Term Rates Reach Zero" Economic Review http://www.kansascityfed.org/Publicat/ECONREV/PDF/4q03sell.pdf

The Federal Reserve's balance sheet is shrinking...what does that mean for the economy?



What are the implications of quantitative easing/tightening on the financial system?

How does the banking system create money?

- The key is fractional reserve banking
- Total reserves

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- Vault cash or reserves held at the Fed
- Required reserves (RR)
 - Reserves banks must hold; Ratio = RR / Total Deposits
- Excess reserves
 - Voluntarily held
- Total Reserves = Required Reserves + Excess Reserves



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There is a disconnect between M2 money stock and the monetary base







Even though 2023 U.S. net farm incomes are expected to decline, they remain above historical averages.





Projected Kansas Farm Incomes

- According to a February 2023 fact sheet by Drs. Gregg Ibendahl and Dan O'Brien, farm incomes for Kansas Farm Management Association grain farms only is:
- 2020: Net Farm Income = \$190,966
- 2021: Net Farm Income = \$355,467
- 2022: Net Farm Income (projected) = \$156,767
- 2023: Net Farm Income (forecast) = \$40,566
- 20-year average = \$106,000

Farmland values continue to rise year-over-year, but will they level off?



*Mountain States include Colorado, northern New Mexico and Wyoming, which are grouped because of limited survey responses from each state. Sources: Federal Reserve District Surveys of Agricultural Credit Conditions



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Article: https://www.kansascityfed.org/agriculture/agfinance-updates/farm-loan-interest-rates-rise-sharply/

All debt costs are going up.



How should farms and agribusinesses respond?

- Create a budget and stress test it
- Build your balance sheet
 - Increase liquidity
 - Use debt wisely
- Be extremely efficient
 - Pore over your operation to increase efficiency
 - Control costs
 - Know your breakevens
- Still look for opportunities to expand or improve your operation

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• Opportunities will emerge

