Strategic Farm Management

2024 Row Crop Short Course December 11, 2024

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Outline

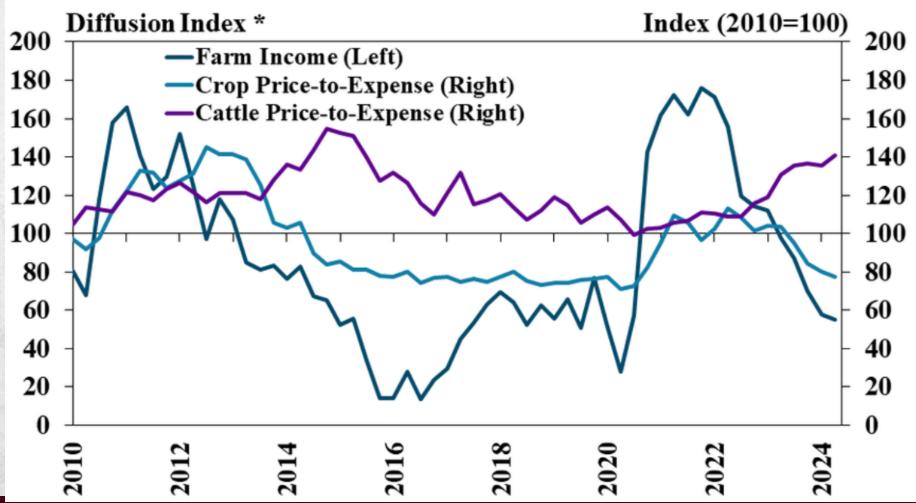
Current Conditions

Cost of Production Estimates

Strategies for making decisions



Chart 1: Tenth District Farm Income and U.S. Farm Price-to-Total Production Expenses



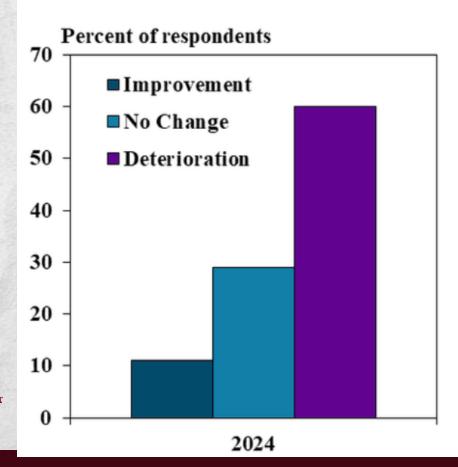
Source: https://www.kansascityfed.org/ agriculture/ag-creditsurvey/early-signs-of-financialpressure/

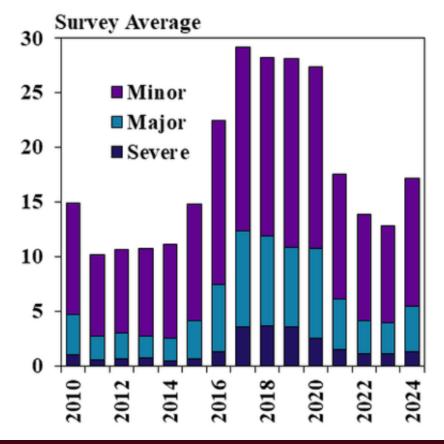




Chart 7: Borrower Financial Conditions and Loan Repayment Problems, Q2

Change in Financial Condition of Farm Borrowers From 1-Year Ago Degree of Farm Loan Repayment Problems





Source: https://www.kansascityfed.or g/agriculture/ag-creditsurvey/early-signs-offinancial-pressure/





MSU Cost of Production Estimates – 2025 Crop Year

 MSU produces yearly Enterprise and Planning budgets using MSU Budget Generator

• Survey Mississippi companies to determine costs of herbicide, pesticide, fertilizer, equipment, etc

• Multidisciplinary team develops budgets based on common production practices/recommendations



MSU Cost of Production Estimates Changes from 2024 to 2025

- Variable costs down slightly from last year
- Fixed costs up
- Expected to have tighter margins due to lower crop prices
- Costs will vary for each producer
- Available at agecon.msstate.edu



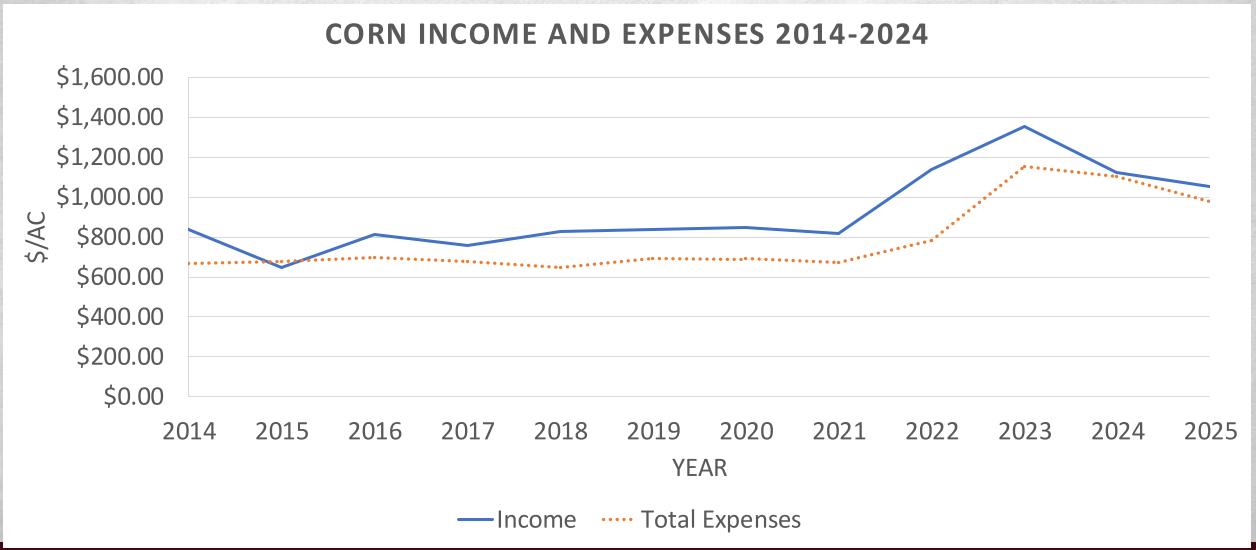
Tighter Margins for 2025

	Corn C	Cotton F	Rice S	oybeans
Yield	235	1500	160	60
Price	\$4.49	\$0.72	\$6.00	\$10.87
Fertilizers	\$307.32	\$123.44	\$192.94	\$61.35
Herbicides	\$57.07	\$111.43	\$150.56	\$109.07
Insecticides	\$0.61	\$95.61	\$11.33	\$13.06
Seed	\$122.74	\$147.15	\$54.93	\$51.50
Diesel Fuel	\$49.60	\$59.23	\$91.45	\$40.41
Interest	\$33.77	\$32.25	\$27.22	\$20.33
Total Direct Expenses	\$813.72	\$989.30	\$929.12	\$484.02
Total Fixed Expenses	\$167.40	\$288.47	\$202.17	\$157.37
Total Expenses	\$981.12	\$1,277.77	\$1,131.29	\$641.39
Returns Above Total Expenses	\$74.03	\$24.98	-\$171.29	\$10.81





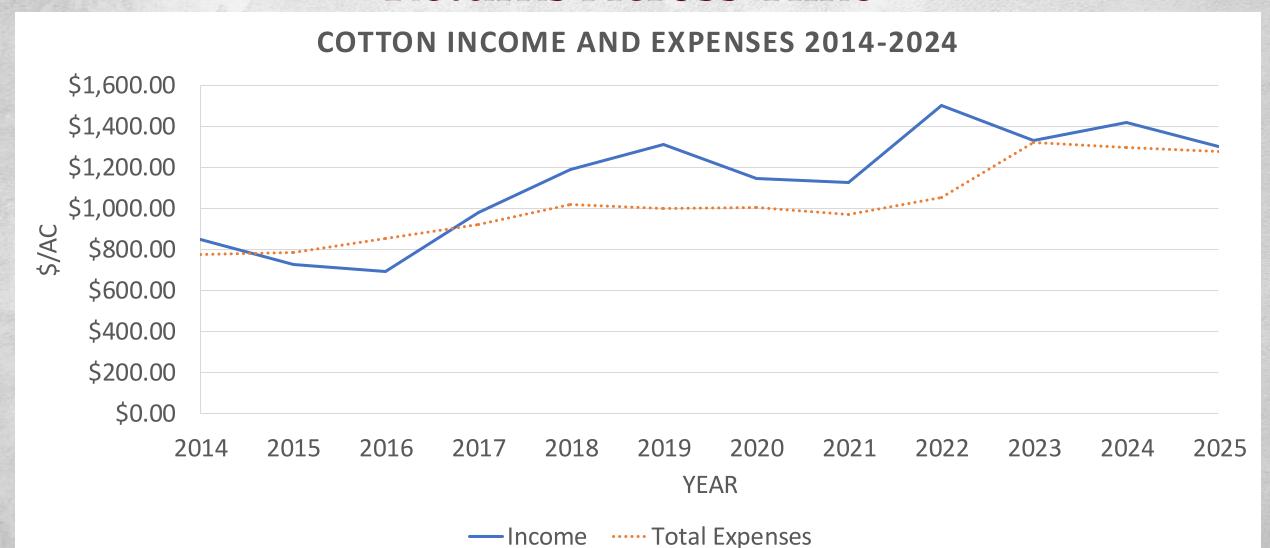
Returns Across Time







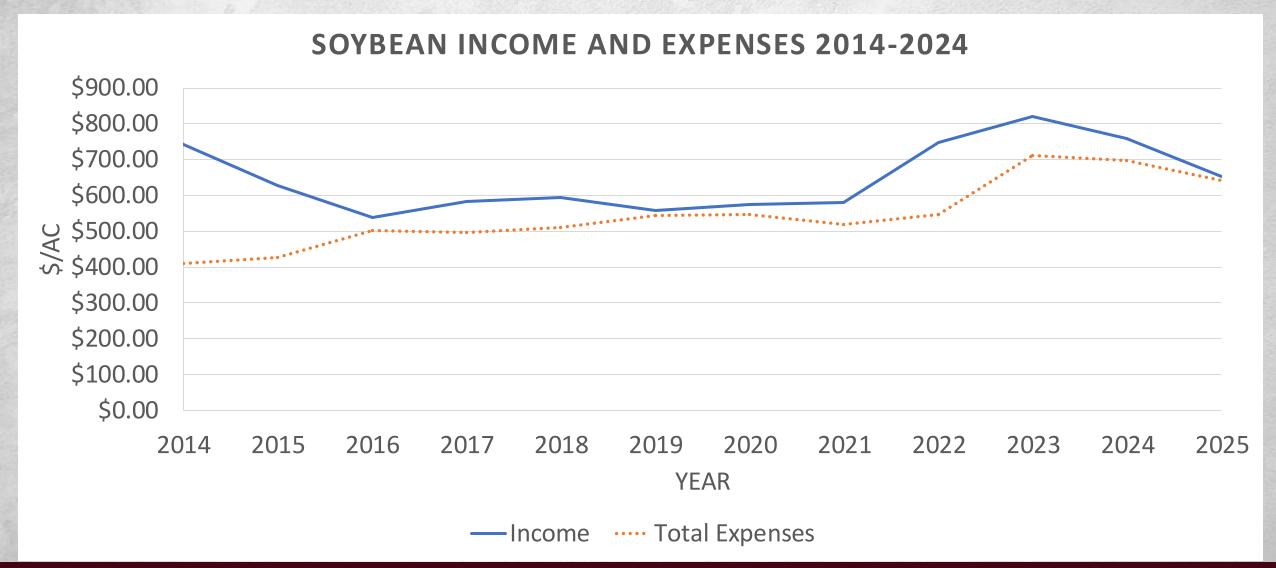
Returns Across Time







Returns Across Time







Tariffs and Another Trade War?

Mexico's president would impose retaliatory tariffs in response to Trump's plan

Trump ups the ante on tariffs, vowing massive taxes on goods from Mexico, Canada and China on Day 1

Corn and soybean associations study: Farmers would suffer from trade wars

Trump vows 25% tariff on imports from Mexico, Canada: What are tariffs?

Trade Study: How Potential New Tariffs Could Impact U.S. Soybeans and Corn

How Trump's Tariffs Could Impact Top Imports From Mexico, Canada, and China





Tariffs and Another Trade War?

- Tariffs on goods from Canada, Mexico, and China would likely lead to higher variable costs
 - Herbicide, insecticides, fertilizers, etc.
- Last trade war led to lower prices due to retaliatory tariffs
 - Corn 2018 price: \$3.61/bu
 - Soybeans 2018 price: \$8.48/bu
- Could see significantly lower returns
 - Ad-hoc assistance?





How to prepare for a tough year?

- Record keeping, data, and analysis
 - Use the data you have
 - Not just enterprise budgets
- Evaluate your financial position and expectations for 2025
 - Profitability, liquidity, solvency, and collateral
- Understand relationship between field-level decisions and financial position







Collecting and Organizing

Production

- Yields, inputs (fertilizer, seed), pesticide application, irrigation, planting and harvest dates.
- Labor: paid and unpaid.
- Weather: precipitation, wind, storm events

Financial

- Income and expense receipts,
- Invoices, checks, bank statements.

Record keeping systems

Records



Analyzing and Reporting

Ratio Analysis

Balance sheet

Income statement

Cash flow

Budgets



Decision Making

Operating credit requirements

Loan structure

Capital purchases





Crop Choice Example

400 acres

Corn

Projected Yield: 220

Price: \$4.49/bu

Income: \$987.80/ac

Costs: \$981.12/ac

Proft: \$6.68/ac

Total Profit/Loss: \$2,672

Soybeans

Projected Yield: 55

Price: \$10.87/bu

Income: \$597.85/ac

Costs: \$641.39/ac

Proft: -\$43.54

Total Profit/Loss: -\$17,416

Corn has higher returns so easy choice right?



Crop Choice Example

Field 1-200 acres

Field 2-200 acres

Corn

Projected Yield: 230

Price: \$4.49/bu

Income: \$1,032.70/ac

Costs: \$981.12/ac

Proft: \$51.58/ac

Soybeans

Projected Yield: 50

Price: \$10.87/bu

Income: \$543.5/ac

Costs: \$641.39/ac

Proft: -\$97.89/ac

Corn

Projected Yield: 210

Price: \$4.49/bu

Income: \$942.90/ac

Costs: \$981.12/ac

Proft: -\$38.22/ac

Soybeans

Projected Yield: 60

Price: \$10.87/bu

Income: \$652.20/ac

Costs: \$641.39/ac

Proft: 10.81/ac

Total Profit/Loss: \$10,316 Total Profit/Loss: -\$19,578 Total Profit/Loss: -\$7,644

Total Profit/Loss: \$2,162

Grow Corn on Field 1 and Soybeans on Field 2 leads to profit of \$12,478 Increase of \$9,806 from just growing Corn



Be More Specific in Your Farm Evaluation

 Very simplistic example but shows how field-level evaluations can be beneficial

- Only evaluating a crop as a whole may leave money on the table
 - Especially if yield and/or inputs vary within that crop
 - Use your data to determine if changes can be made at the field-level
- Now is the time to evaluate where improvements can be made
 - Determine where trouble areas are



Be More Specific in Your Farm Evaluation

- "I know I'm not making money on this field but I don't want to give up the ground."
- Is a field not making money because of yield/prices or because of rental rates?

- Need to diagnose why it is losing money and then
 - Change to a different crop
 - Change management practices
 - Renegotiate your rental agreement



Evaluate Your Financial Position

- "I need to go to the bank/accountant to see how much money I made this year."
- You should know your farm's financial situation better than your bank
 - Make sure your farm is improving from year-to-year
 - The more information you have the better you can negotiate
- Know how your bank evaluates loans
 - Every bank is different





Evaluate Your Financial Position

- Understand how decisions throughout the year impact your financial ratios
 - If I book my crop in June what does this do to my financial ratios?
 - Should be continually evaluating throughout the year
- Know that some decisions have impacts across time
 - If I buy this new tractor how does that impact my cost of production and my financial ratios?
 - Will I be at risk if prices change?
- · What you do at the field impacts your farm as a whole





Summary

Margins are going to be tighter for 2025

- Important to evaluate your farm's situation
 - Both at the field level and for the farm as a whole

 "If you fail to plan, you are planning to fail" – Benjamin Franklin



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JANUARY 14, 2025 The Mill at MSU 600 Russell St, Starkville, MS 39759

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Questions?

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