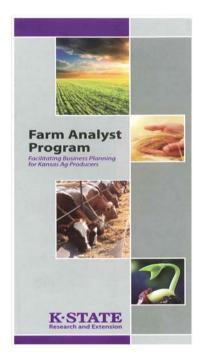
Financial Benchmarking to Assess a Farm's Financial Position in a Difficult Ag. Economy

Robin Reid Extension Associate K-State Department of Ag. Economics







- Analysts travel to the producer's home, providing private and confidential business advice
- Uses nationally recognized financial analysis software, FINPACK, to develop a balance sheet, enterprise budgets, and a base long-range business plan.
- Can explore business changes such as alternative enterprises, debt re-structure, farm transitions, etc.
- Develops balance sheets, budgets, base business plan, and even cash flow statements
- · Assistance when working with creditors
- Facilitates discussion among family members and sets goals for the farm business
- \$450 base fee

Were 5 Farm Analysts across the state...Now 30!!!

Call 1-800-321-FARM to set up an appointment with a Farm Analyst





KANSAS AGRICULTURAL MEDIATION SERVICES 1-800-321-FARM

Connect you to helpful resources

- Farm analysts
- Attorneys
- Mediators
- Referrals

Discuss appeal options for adverse decisions

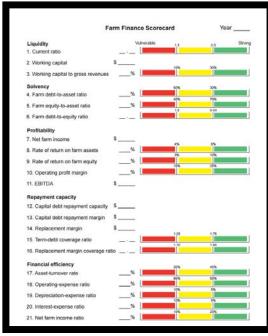
- Farm loan delinquency or denial
- USDA Farm Programs



Provide resources for farm families

- Successions
- Transitions
- Communication
- Disputes



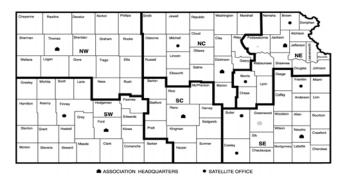


- How well does this represent Kansas Farms?
 - · Regions of KS?
- Do these values change by farm type?
- How are farms performing in the current agricultural economy?





KSU-Farm Financial Benchmarking Tool



- 1,172 KFMA Farms in 2015 benchmark
- 1,289 KFMA Farms in 10-Year benchmark
 - (6 out of 10 years to be included)

- -Current Ratio
- -Working Capital Ratio
- -Operating Profit Margin
- -Rate of Return on Farm Assets
- -Asset Turnover Rate
- -Operating Expense Ratio
- -Interest Expense Ratio
- -Net Farm Income Ratio
- -Debt-to-Asset Ratio
- -Rate of Return on Farm Equity
- -Depreciation Expense Ratio





Categories

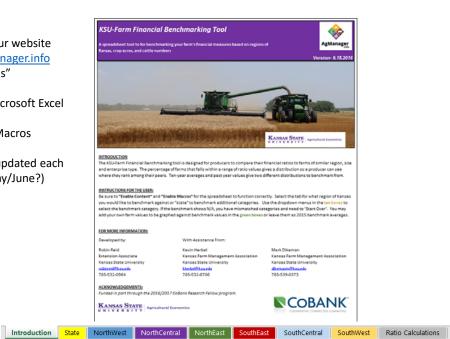
- State-level
 - Dairy
 - Operator Age (<40 years, 40-60 years, 60+ years)
 - Acres (<500, 500-1000,1000-2000,2000+), Cattle (None, Feedyard, <100 Cows, >100 Cows)
- Regional Level
 - Acres
 - Cowherd
 - · Backgrounding/Feedyard





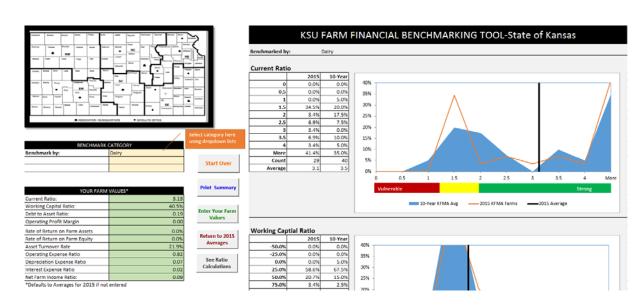
Find it on our website www.AgManager.info under "Tools"

- Need Microsoft Excel
- Enable Macros
- Will be updated each year (May/June?)









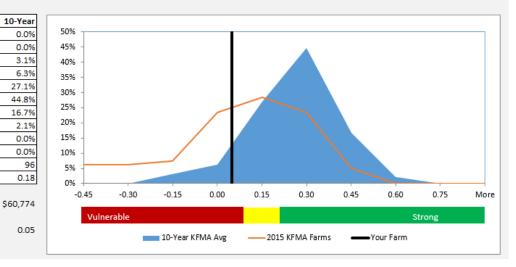




Net Farm Income Ratio				
	2015	10-Year		
-0.45	6.2%	0.0%		
-0.30	6.2%	0.0%		
-0.15	7.4%	3.1%		
0.00	23.5%	6.3%		
0.15	28.4%	27.1%		
0.30	23.5%	44.8%		
0.45	4.9%	16.7%		
0.60	0.0%	2.1%		
0.75	0.0%	0.0%		
More	0.0%	0.0%		
Count	81	96		
Average	0.03	0.18		
Net Farm Income Aug				

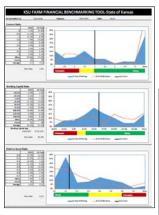
\$8,027

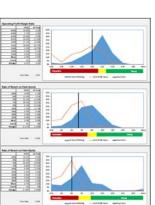
Your Farm

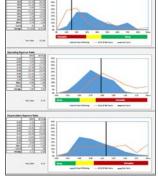


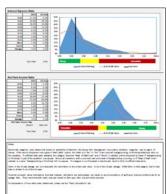








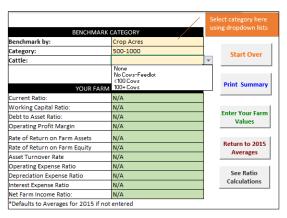


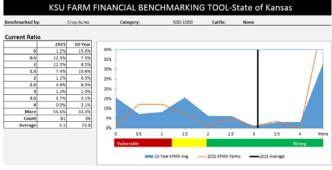






Dropdown Categories and "Your Farm" features

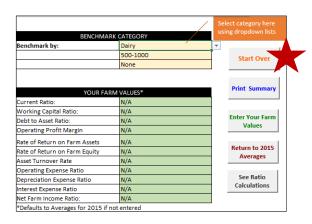


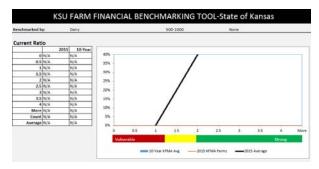






Dropdown Categories and "Your Farm" features

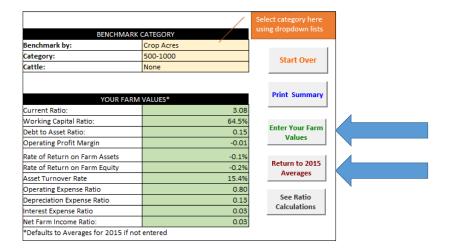








Dropdown Categories and "Your Farm" features







Ratio Calculations

*Note that Kansas Farm Management Association uses accrual methods for recordkeeping and performance analysis.

Current Ratio = Ending Current Assets/Ending Current Liabilities

Working Capital Ratio = Working Capital/ Accrual Gross Farm Revenue

•where Working Capital = (Ending current assets –Ending current liabilities)

•where Accrual Gross Farm Revenue= Cash Farm Income from crops and livestock+/- changes in inventories - less purchases of re-sale items

Debt to Asset Ratio = Total Farm Liabilities/ Total Farm Assets

Rate of return on farm assets = (Net Farm Income + Farm Interest Paid – Value of Operators Labor & Management)/Average Total Farm Assets

Rate of Return on farm equity = (Net Farm Income - Value of Operators Labor & Management)/ Average Total Farm Net Worth





Ratio Calculations

Asset-turnover rate= Value of Farm Production/Average total assets

where Value of Farm Production = Accrual Gross Farm Revenue—Purchased Feed

Operating Profit Margin = Return on Farm Assets/Value of Farm Production

where Return on Farm Assets= (NFI + Farm Interest – Value of Operator Labor & Management) where Value of Farm Production = Accrual Gross Farm Revenue – Purchased Feed

Operating Expense Ratio = (Farm Operating Expense)/ Accrual Gross Farm Revenue

where Farm Operating Expense = Total Farm Expense + Purchased Feed- Farm Interest -Depreciation

Depreciation Expense Ratio = Depreciation/ Accrual Gross Farm Revenue

Interest Expense Ratio = Farm Interest/ Accrual Gross Farm Revenue

Net Farm Income ratio = Net Farm Income/Accrual Gross Farm Revenue





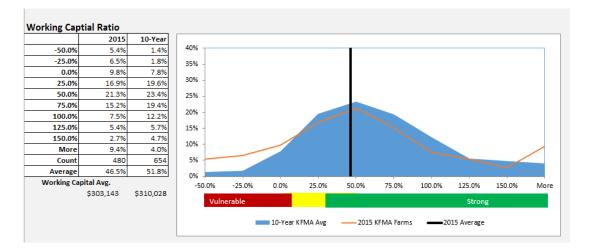
Where are we at?

KSU FARM FINANCIAL BENCHMARKING TOOL-State of Kansas Benchmarked by: 40-60 Operator Age Category: **Current Ratio** 2015 10-Year 40% 0.8% 0.3% 0.5 6.7% 2.1% 35% 14.6% 8.9% 30% 1.5 17.1% 13.0% 8.3% 11.0% 25% 2.5 5.8% 8.1% 2.9% 4.3% 3.5 4.2% 4.7% 15% 1.9% 2.6% 10% 37.7% More 45.0% Count 480 654 Average 2.7 0.5 1.5 10-Year KFMA Avg —— 2015 KFMA Farms





Where are we at?

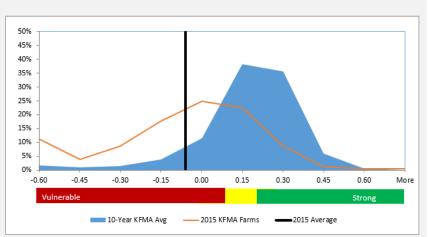






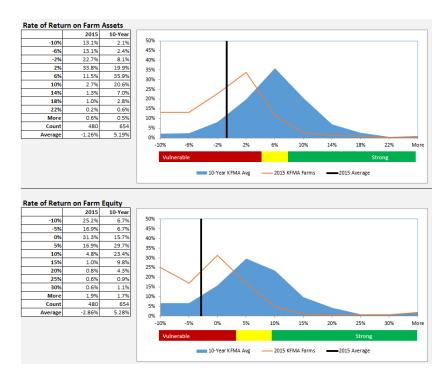
Where are we at?

Operating Profit Margin Ratio				
	2015	10-Year		
-0.60	11.3%	1.7%		
-0.45	4.0%	0.9%		
-0.30	8.8%	1.5%		
-0.15	17.7%	3.8%		
0.00	25.0%	11.6%		
0.15	22.5%	38.2%		
0.30	8.5%	35.6%		
0.45	1.3%	6.1%		
0.60	0.6%	0.5%		
More	0.4%	0.0%		
Count	480	654		
Average	-0.06	0.17		







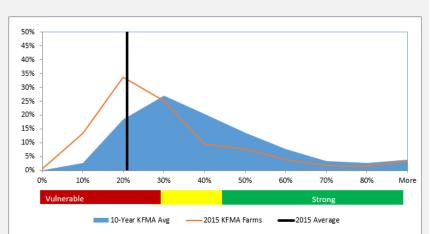






Where are we at?

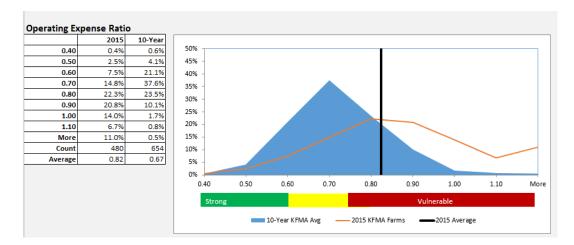
	2015	10-Year
0%	0.4%	0.0%
10%	13.3%	2.8%
20%	33.8%	18.5%
30%	25.2%	27.1%
40%	9.4%	20.3%
50%	7.7%	13.8%
60%	3.8%	7.8%
70%	1.7%	3.4%
80%	1.5%	2.6%
More	3.3%	3.8%
Count	480	654
Average	20.93%	30.76%







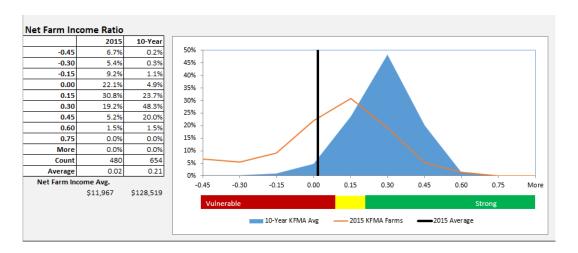
Where are we at?







Where are we at?







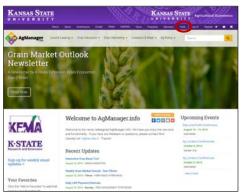
Conclusions

- Farmers need support/understanding from their lenders
- Most farmers are in a vulnerable financial position, regardless of how "good" of a farmer they are
- I hope this tool can benefit you, as lenders, to get a snapshot of the financial position of farmers in your area and have benchmark values to compare to for your clients





Time for Questions



Check out our new website! www.AgManager.info

Robin Reid Extension Associate K-State Agricultural Economics robinreid@ksu.edu 785-532-0964



