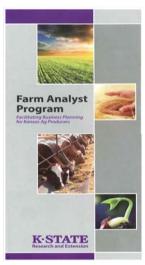
Financial Benchmarking to Assess a Farm's Financial Position in a Difficult Ag. Economy

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

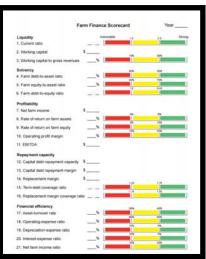
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Provide resources for farm families

- Successions
- Transitions
- Communication
- Disputes





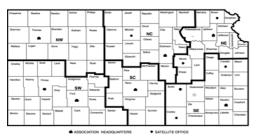


- How well does this represent Kansas Farms?
 - · Regions of KS?
- Do these values change by farm type?
- How are farms performing in the current agricultural economy?



Source: Center for Farm Financial Management http://www.cffm.umn.edu/Publications/pubs/FarmMgtTopics/FarmFinanceScorecard.pdf

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 -Interest Expense Ratio

-Operating Expense Ratio -Net Farm Income Ratio

-Debt-to-Asset Ratio

-Rate of Return on Farm Equity

-Depreciation Expense Ratio



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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

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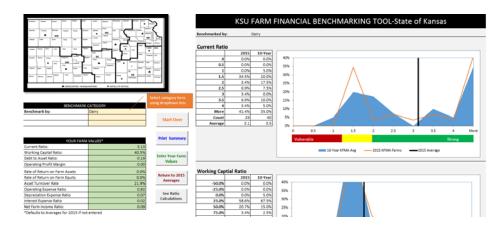
Find it on our website www.AgManager.info under "Tools"

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



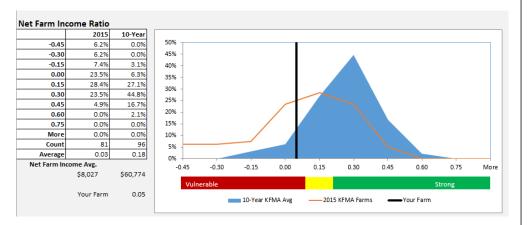


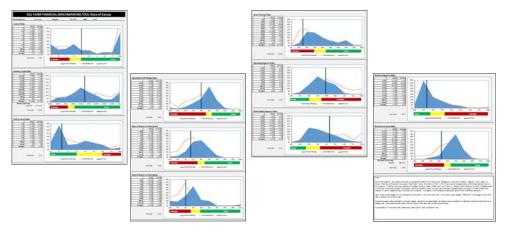












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Dropdown Categories and "Your Farm" features





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Dropdown Categories and "Your Farm" features



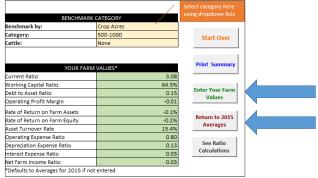








Dropdown Categories and "Your Farm" features





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

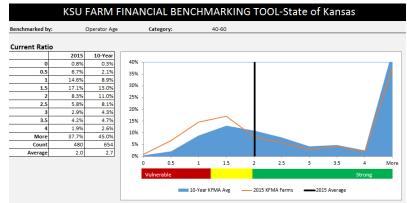
Net Farm Income ratio = Net Farm Income/Accrual Gross Farm Revenue





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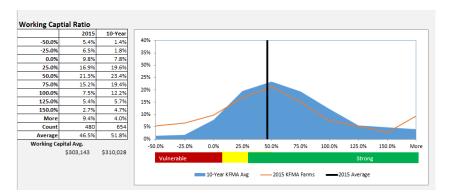
Where are we at?







Where are we at?

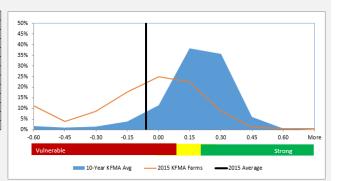


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Where are we at?

	2015	10-Year
-0.60	11.3%	1.7%
-0.45	4.0%	0.99
-0.30	8.8%	1.59
-0.15	17.7%	3.89
0.00	25.0%	11.69
0.15	22.5%	38.29
0.30	8.5%	35.69
0.45	1.3%	6.19
0.60	0.6%	0.59
More	0.4%	0.09
Count	480	654
Average	-0.06	0.17



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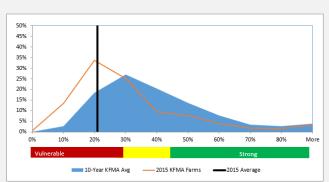
== 10-Year KFMA Avg === 2015 KFMA Farms === 2015 Average





Where are we at?

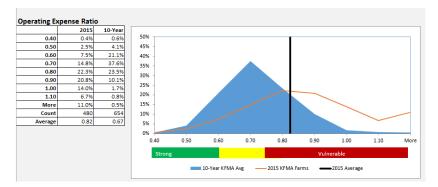
	2015	10-Year
0%	0.4%	0.0%
10%	13.3%	2.8%
20%	33.8%	18.5%
30%	25.2%	27.1%
40%	9.4%	20.3%
50%	7.7%	13.8%
60%	3.8%	7.8%
70%	1.7%	3.4%
80%	1.5%	2.6%
More	3.3%	3.8%
Count	480	654
Average	20.93%	30.76%







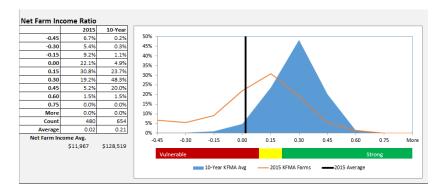
Where are we at?







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

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Time for Questions



Check out our new website! www.AgManager.info

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