What are financially successful farms doing differently?

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Overview

- 1. How bad is the financial situation of lowa farms?
- 2. What are successful farm doing differently?

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Bottom line

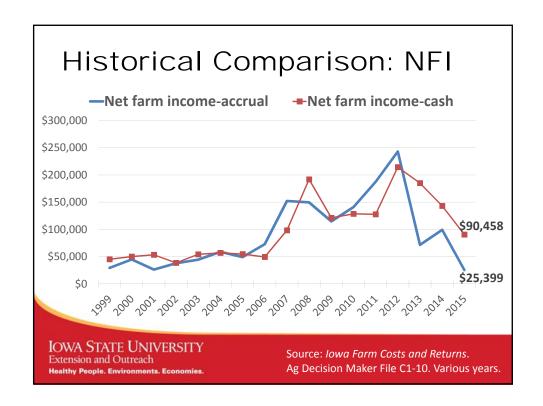
- Wide variability in financial performance across farm operations
- On average, farms burned through \$92,000 of working capital in 2015
- Between Jan 1, 2015 and Jan, 1 2016:
 - 65% maintained their liquidity and solvency rating
 - 26% lower liquidity and/or solvency rating
- Successful farms: production mix, marketing/merchandising, costs, yields

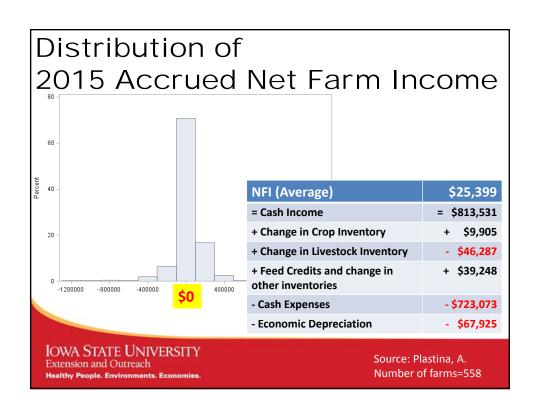
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Sources of data

- Farm-level anonymous data from the Iowa Farm Business Association (IFBA)
- Commercial mid-sized farms (750-800 acres)
- 2 reports:
 - all farms (N=558)
 - farms with beginning and ending balance sheets (N=316).

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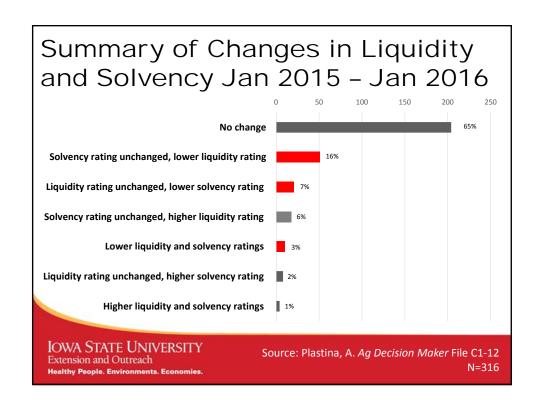


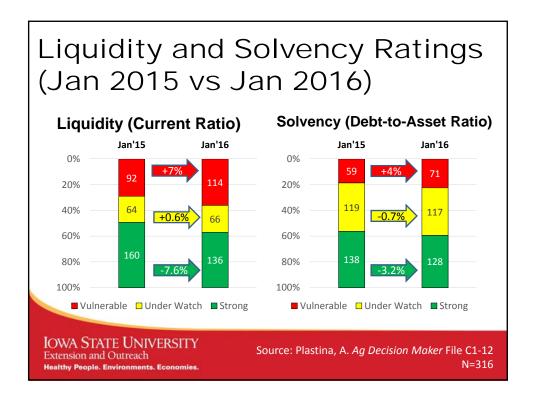


Clas	sificati	on Mat	rix	
		Solvency: Total Debt-to-Asset Ratio		
		Vulnerable: Above 60%	Under Watch: Between 30% and 60%	Strong: Under 30%
	Vulnerable: Below 1.3			
Liquidity: Current Ratio	Under Watch: Between 1.3 and 2.0			
	Strong: Over 2.0			
Extension an	IOWA STATE UNIVERSITY Extension and Outreach Healthy People. Environments. Economies. Current Ratio = Current Assets/Current Liabilities Debt-to-Asset Ratio = Total Liabilities / Total Asset			

January 1, 2015 (316 farms) Solvency: Total Debt-to-Asset Ratio				
		Vulnerable: Above 60%	Under Watch: Between 30% and 60%	Strong: Under 30%
	Vulnerable: Below 1.3	13.3%	13.6%	2.2%
Liquidity: Current Ratio	Under Watch: Between 1.3 and 2.0	3.5%	10.4%	6.3%
	Strong: Over 2.0	1.9%	13.6%	35.1%
IOWA STATE UNIVERSITY Extension and Outreach Healthy People. Environments. Economies. Current Ratio = Current Ass ets/Current Liab Debt-to-Asset Ratio = Total Liabilities / Total Source: Plastina, A. Ag Decision Maker File Co		ties / Total Assets		

January 1, 2016 (316 farms)					
		Solvency: Total Debt-to-Asset Ratio			
		Vulnerable: Above 60%	Under Watch: Between 30% and 60%	Strong: Under 30%	
	Vulnerable: Below 1.3	17.7% (+4.3%)	15.5% (+1.9%)	2.9% (+0.7%)	
Liquidity: Current Ratio	Under Watch: Between 1.3 and 2.0	3.2% (-0.3%)	10.8% (+0.4%)	7.0% (+0.7%)	
	Strong: Over 2.0	1.6% (-0.3%)	10.8% (-2.8%)	30.7% (-4.4%)	
Extension an	IOWA STATE UNIVERSITY Extension and Outreach Healthy People. Environments. Economies. Current Ratio = Current Ass ets/Current Liabilities Debt-to-Asset Ratio = Total Liabilities / Total Asset Source: Plastina, A. Ag Decision Maker File C1-12			ties / Total Assets	





farms burn through in 2015?					
Liquidity Rating Jan'15	Liquidity Rating Jan'16	Change in Working Capital (\$)	% Change vs. Jan'15	Number of Farms	
Vulnerable	Vulnerable	-42,752	-45%	77	
Vulnerable	Under Watch	68,959	256%	13	
Vulnerable	Strong	141,641	141%	2	
Under Watch	Vulnerable	-326,265	-66%	28	
Under Watch	Under Watch	-75 <i>,</i> 857	-22%	29	
Under Watch	Strong	129,166	42%	7	
Strong	Vulnerable	-356,407	-79%	9	
Strong	Under Watch	-169,874	-45%	24	
Strong	Strong	-71,937	-10%	127	
All	-91,658	-24%	316		

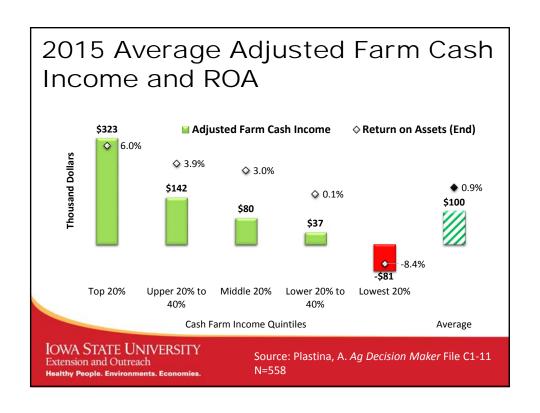
What are successful farm doing differently?

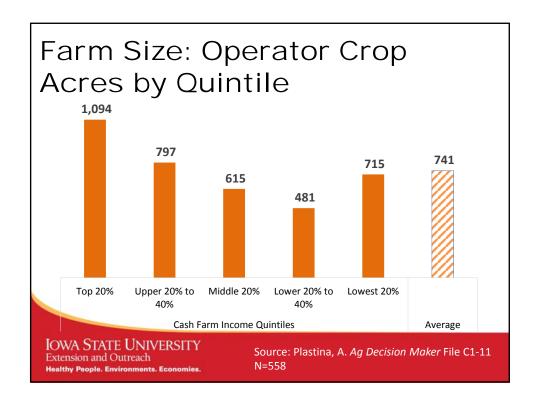
Free Cash Flow from the farm:

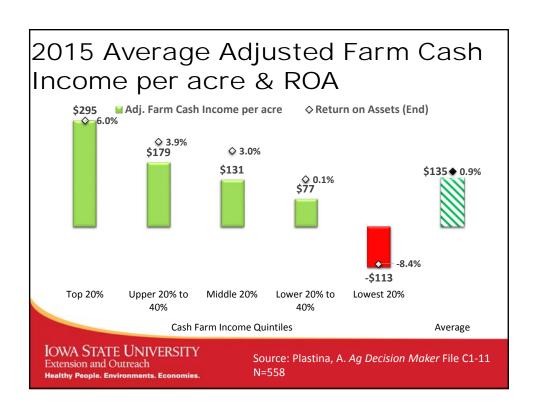
Adjusted Farm Cash Income=NFI + Depreciation

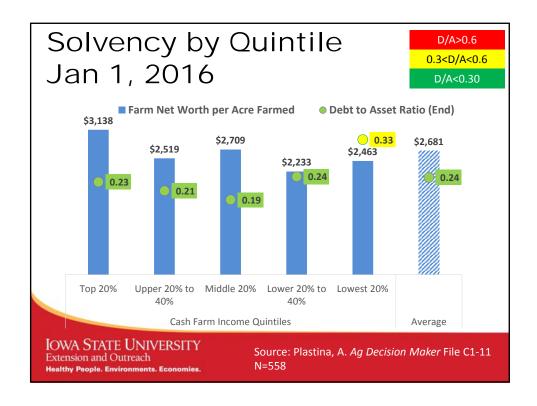
- IFBA data: 558 farms
- Ordered according to their AFCI
- Divided in 5 groups of equal sizes
- All comparison are for the same groups, using the same farms in each group.

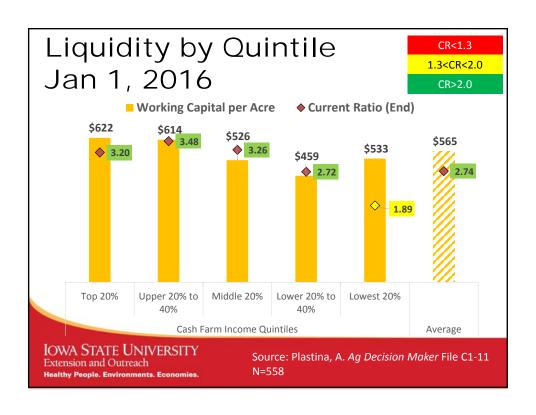
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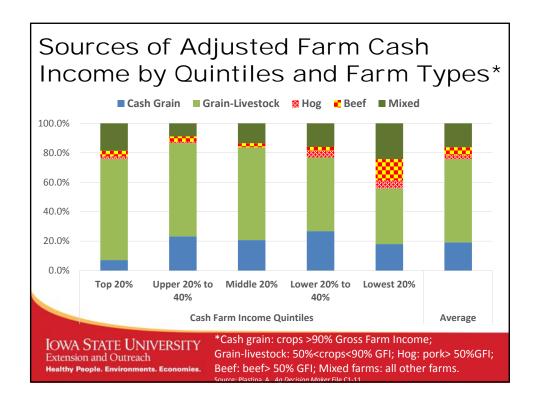


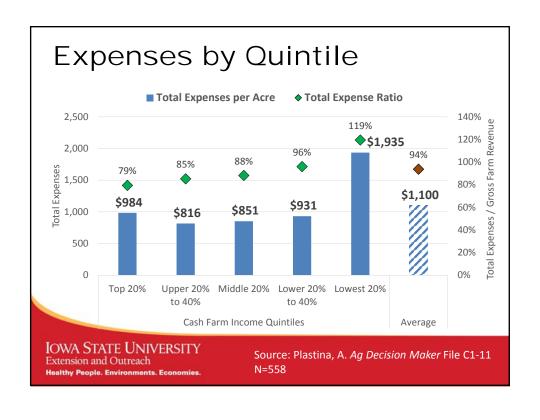


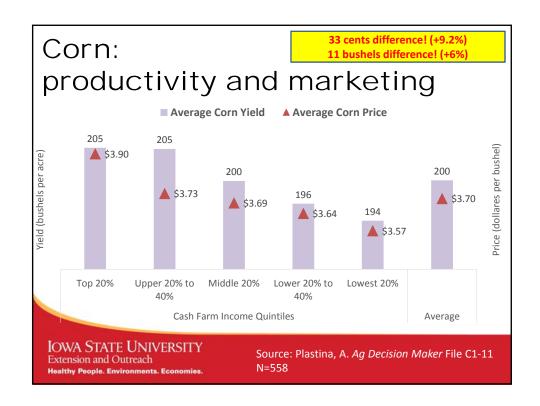


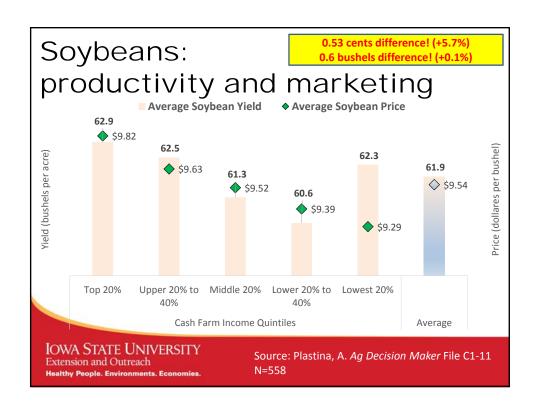












Summary

- On average, farms burned through \$92,000 of working capital in 2015
- Liquidity Jan'16: 36.1% vulnerable
- Solvency Jan'16: 22.5% vulnerable
- 26% farms had lower liquidity and/or solvency ratings in Jan'16 than in Jan'15.

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Summary (cont'd)

- Successful farms:
 - Right production mix,
 - · Good marketing/merchandising strategy,
 - · Contained costs,
 - · High yields

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Full Reports:

- Plastina, A. 2016a. "Iowa Farm Financial Conditions in 2015." Ag Decision Maker File C1-11.
- Plastina, A. 2016b. "Iowa Farms: From Strong to Vulnerable in a Year?" Ag Decision Maker File C1-12.
- Plastina, A. 2016c. "2015 lowa Farm Costs and Returns." Ag Decision Maker File C1-10.

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Thank you for your attention!

Questions?

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