

Key Components for Business Planning

- Know Your Numbers
- Business Assessment
- · Decision Making
- Business Plan
- Risk Management



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Know Your Numbers: Records for Management	
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Don't	
 3. Neglect needed accounting tasks because there isn't time right now. 	
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What numbers are you managing from?	
Check book balance Accrual adjustments	
Consolidated financial statements Monthly or quarterly trends	
• Multi-year trends	
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Reasons	tor	Record	Kee	epina

- · For income tax purposes
- · Because they are required by the lender
- To keep other family members happy
- To determine farm profits
- To help in decision making
- To measure whether goals have been reached







Quality Records

- Timely
- Accurate
- Complete
- Available



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Key Financial Statements

- Profit/Loss
- Cash vs. Accrual
 Gross Operating Revenue
 Gross Operating Expenses
- Balance Sheet
 - Book vs. Fair Market Value
 - Total Assets
 - · Total Liabilities
 - Short/Int/Long Term Assets & Liabilities







Business Assessment	
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 DO 1. Complete a production and financial management analysis of your business for 2017. Determine strengths, but most importantly, areas for improvement with an immediate response and improvement in cash flow. 	
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Business Assessment- SWOT Analysis • What are we doing well? • Where are we leaving money on the table? • Where are our opportunities? • What could disrupt our business?	
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- Calculating Financial Ratios
 - · Profitability
 - · Liquidity
 - Solvency
 - Repayment Capacity
 Financial Efficiency
- Benchmarking







Profitability Equation

Profitability = $\underline{\text{Volume x (Price - Cost)}}$

Investment

Where are the opportunities to improve the business? Volume

Price

Cost Investment





Business Assessment

- · Profitability
 - Maintain ability to meet family goals
 - To build retirement for senior/current generation
 - · To reinvest in the business
- · Are there earnings being left on the table?







Profitability Analysis Rate of Return on Assets (Net farm income + interest - value of operator)/average farm assets What interest rate is being generated for all the money invested?

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Profitability Analysis • Rate of Return on Equity • (Net farm income -value of operator)/average farm net worth • What interest rate is being earned on your money? | Shape of Agreeding and Agree

Business Assessment Liquidity What is the ability of the business to service debt in the short term – next 12 months? Ability to handle shock to operating efficiency? How are we positioned to handle a low milk price cycle?

Business Assessment

- Solvency
 - · If the business was sold, can all debt be covered?
 - How much of the business is owned by the lender?
 - For every dollar of equity, how much debt is utilized?
 - Can we borrow more capital if needed?
 - If an opportunity comes up, can we pursue?





Business Assessment

- · Financial Efficiency
 - How well are assets generating revenue?
 - · Where is that revenue going?
 - · Operating expenses
 - Interest
 - Depreciation
 - · Where is the opportunity to improve earnings?
 - What can be done to improve investment efficiency?
 - What can be done to improve operating efficiency?







Financial Efficiency Analysis

- Asset Turnover Ratio
 - Gross farm revenue / average farm assets
 - · How much sales did you generate per dollar invested?









Do...

- 11. Maintain minimal inventory; cull unprofitable cows, buy feed as needed. If you have extra dairy replacements, consider selling them. When selling animals, remember to consult your tax preparer concerning associated tax liabilities.
- · 12. Sell nonessential capital items, including machinery and equipment, that is not needed to operate the business. Consider selling land not essential to the business, including timber.

 Remember to consult your tax preparer concerning tax liabilities of a sale.

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Business Assessment

- · Repayment Capacity
 - · What is the ability to service debt?
 - · How much reserve after debt service is there?
 - · How is annual capital replacement handled?
 - Are there sufficient earnings to service debt?
 - Is the ability to service debt limiting the ability to utilized debt?

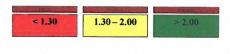






Repayment Capacity Analysis

- Term-Debt Coverage Ratio
 - Capital debt repayment capacity / planned principal and interest payments
 - Was enough income produced to cover debt service?









Repayment Capacity Analysis

• Replacement Margin Coverage Ratio

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- Capital debt repayment capacity / (planned debt payments + un-funded capital replacement)
- Did you generate enough earnings to replace capital and pay debt?

Do...

- 3. Meet with your lender and share your financial management analysis and cash flow projections. Communicate with your lender often and provide periodic updates regarding your financial situation.
- · 5. If you have past due balances, meet with suppliers to develop payment arrangements.
- 13. Examine debt for possible benefits of restructuring or alternative financing.

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Business Assessment

- No one measure to look at-cumulative financial picture
- Where is the business in stage of maturity?
- · How do the ratios compare to where you want them?
- How do they compare to where the bank wants them?
- · What type of year was it for the industry?



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Business Assessment

- · Benchmark against industry data
 - Track business performance over time trend analysis
 - Provide performance standards to monitor changes & analyze impact over time.
 - · Identify areas to improve, emphasize, or discontinue.



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Do	
 Seek management advice and analysis assistance early from cooperative extension, consultants, FarmNet, and others. 	
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Resources for Business Assessment	
Business analysis programs	
Cornell Dairy Farm Business Summary	
Farm Credit Business Analysis	
Dehm & Associates Dairy Dashboard	
Penn State Cooperative Extension	
• Profit Teams	
Business consultants/Accountants	
Agri-service personnel	
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Decision Making	
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Economic	Decision	N	la	kir	1	9
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- Does the proposed change support the mission and vision of the
- · Is it profitable?
- · How will it affect cash flow?
- Is it the best use of resources?







Don't....

- 1. Make decisions that will cause the problem to be worse a week, month, or year down the road.
- 2. Continue the same practices simply because you've always done it that way.

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Mission & Vision

- Why are we in business?
- · What is the goal of the current operating generation?
- · Is there a successor generation?
- · Does this move us in the right direction?







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- 2. Complete a profitability and cash flow projection, for example, partial budget of the expected impacts of any changes made to improve the business.
- 4. Continually review and update cash projections and partial budgets. Cash flow management is the key to surviving difficult economic times.







Profitability

- · How does it affect the profitability equation?
 - Generate more volume?
 - Change price?
 - Reduce operating expense?
- Effect on investment?
- · How does it affect rate of return?



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Cash Flow

- How will the change be funded?
 Operating cash flow?
 Borrowing?
 Contributed capital?
- · How and when will change affect cash flow?
- · Repayment period?







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- · Is it the best use of limited resources?
- Total impact on the financial position of the business
 - Change in ratios
 Timeline
- · Evaluate other options objectively







Do...

4. Continually review and update cash projections and partial budgets. Cash flow management is the key to surviving difficult economic times.

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Budgets

- Partial budget

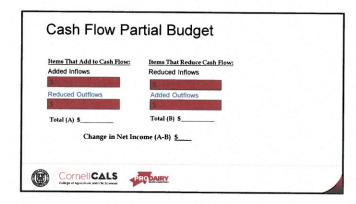
 - Results of incremental change
 Evaluate effect of one change at a time
- Whole farm budget
 Projected earnings with cumulative changes
- Cash flow budget
 - · Identify potential borrowing needs

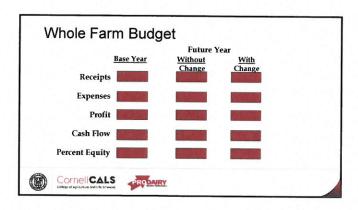






Items That Add to Net Income:	Items That Reduce Net Income:
Added Inflows	Reduced Inflows
Reduced Outflows	Added Outflows
Total (A) \$	Total (B) \$
Change in Net Incon Benefit/Cost Ratio (A	ne (A-B) \$





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- · Must have accurate history to build off
- · Evaluate more than one option
- Hard vs. Soft numbers
- Sensitivity analysis
 Milk Price
 Cost of Inputs
 Regulatory changes, etc.







Do...

- 24. Forward contract inputs such as feed, fuel, and other supplies if you can lock in a profit.
- 25. Obtain price quotes from multiple suppliers for inputs such as feed, fuel, and other necessities.

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Risk Management



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Do	
22. Evaluate risk management tools such as crop insurance, livestock gross margin, and the margin protection program in a such as the	
order to minimize production and price risk.	
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Five Key Areas of Pick	1
Five Key Areas of Risk	
Production Risk Financial Risk	
• Legal Issues Associated with Agriculture	
Human Resource Issues Marketing Risk	
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Risk Management	
 Many different tools available to management various type of risks 	
 Tools transfer risk from business to a third party 	
The third party takes on this risk for a fee, cost, premium, etc. Private business: generate a profit by taking on this risk. Commence are the control of	And the second s
 Government program: may be subsidized to a certain extent to achieve policy goals. 	

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Self-Insurance Vs. Transferring Risk

- · Every business is different.
- How comfortable is management with risk?
- · What is the cost?
- · What is the exposure?
- · What are the issues associated with self insuring?







Self Insurance vs. Transferring Risk

- Key management question
 - · What is the financial health of the business?
- · The financial health of the business impacts the ability to self-
 - Stronger= easier to self-insure
 - Weaker= increased interest in risk management tools



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Do...

• 16. Communicate current financial situation often with management team/family members. Seek and welcome their suggestions and involve them in key financial decisions.

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Business planning is always important!

- With increased uncertainty, increased emphasis on
 - Knowing your numbers

 - Assessing your business
 Operational planning and strategic planning
 Managing risk







