# **POSITIONING FOR SUCCESS IN CYCLICAL ECONOMICS**

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April 2, 2019

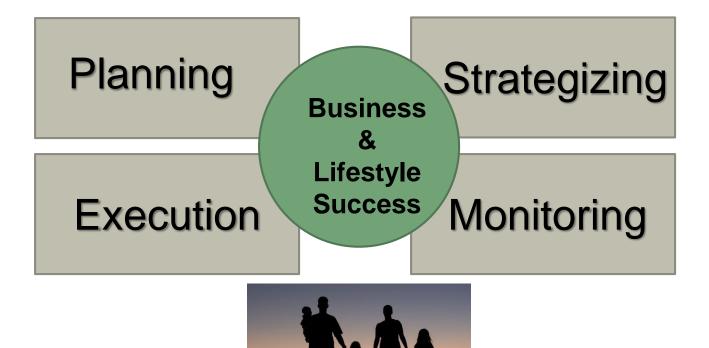
## Views from the Road

- agriculture is in the 7<sup>th</sup> year of economic reset
- dairy is in the 4<sup>th</sup> year of economic reset
- Iow margins, high volatility
- manage with focus & manage around the noise or uncontrollables
- Business IQ will be the difference maker
- grinder- financial and emotional toll





### Four Cornerstones of Management



### **Economic Radar Screen**

- international trade
  - USMCA
  - China's Belt & Road Initiative
- synchronized global economic slowdown
  - China- slowest growth rate in 28 years
  - Japan- negative growth rate
  - Germany negative growth rate
  - Central Bank's stimulus in China
  - high debt levels in urban real estate in China

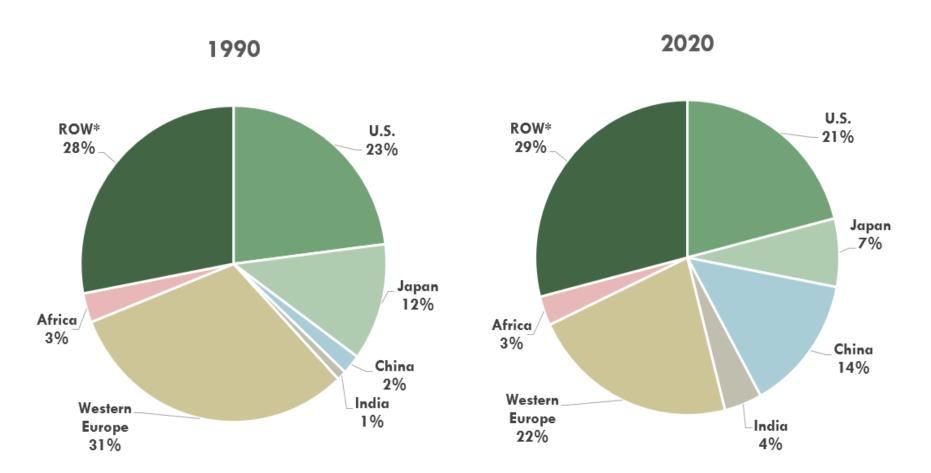
- political uncertainty
  - Brazil
  - Venezuela
  - Mexico
  - Argentina
  - Germany, Britain & Euro Sector
  - U.S.



## North America's Economic Power Block

- 28% of the global economy's GDP
- energy & oil
  - U.S. #1
  - Canada #4
  - Mexico #8
- 450+ million people
- 47% of Mexico's population is under 25
- ag trading partners:
  - Canada #1
  - Mexico #3

### **Rising of Asia**



\* ROW- Rest of World Source: Global Insights, August 2018

### Farm Real Estate Perspectives

- farm real estate appreciated or stayed level 79% of years from 1910-2017
- since WWII (1941) farm real estate appreciated or stayed level 88% of the years
- 1910-WWII (1940) farm real estate appreciated
   57% of the years
- farm real estate was flat or declined for 13 years from 1920-1933
- farm real estate declined for four years in the 1980's

### **Drivers of Change on Land Values**

- interest rates
- investor funds
- refinancing cycle
- baby boomer farmer
- relatives who inherit land
- supply and demand of commodities
- crop insurance



## State of U.S. Economy

- 110-plus months
- 106 & 120 months
- urban and coastal economies and the fly over states
- central bank driven- U.S. and abroad
- wealth effect
  - consumer investing
  - consumer spending



### **IMPACT:** killers of economic expansions

# By Mid-June, Longest Economic Expansion in the U.S.

Longest economic expansions in modern U.S. history (As of February 2019) 120 months 1991 to 2001 2009 to present 116\* 1961 to 1969 106 1982 to 1990 92 68 1938 to 1945 2001 to 2007 61 20 40 60 0 80 100 120 140

Source: NBER, Economic Cycle Research Institute (Note: current expansion still in progress)

## Federal Reserve's Interest Rate Barometer

- two rate increases in 2019
- one possible rate decline in 2019

| Indicator          | Current Estimated<br>"Flag" Levels |
|--------------------|------------------------------------|
| Unemployment       | Below 5.0% or<br>Above 6.0%        |
| GDP Growth         | Above 3.0% or<br>Below 2.0%        |
| Inflation          | Above 2.5% or<br>Below 1.0%        |
| Consumer Sentiment | Above 90 or<br>Below 80            |

- trends matter
- stock market/real estate wealth effect
- copper prices

### Mega Trends 2020-2030: "High Beams"



### Mega Trends 2020-2030: Dietary Trends



- Millennials, Gen Z & Baby Boomers
- cultured meat & non-dairy
- vegans- U.S. & abroad
- environmental footprint
- 95% of success is alignment of:
  - resources
  - talents
  - markets
- experiences & personalization vs. commoditization

### "We have not seen anything yet."

### Mega Trends 2020-2030: Technology/Consumer



- bio engineering
- information convergence
- production
- consumers/food industry/producers
- great wall of protein & "impossible burger sliders"
- skill base
  - analyze data
  - critical thinking
  - communication
- first replaces labor
  - higher level of talent
- systems/replicate use of information data
- too connected





### Mega Trends 2020-2030: Tech Transformation



- robotics
- data in the food chain
- retail & wholesale disruption
- blockchain technology



### Mega Trends: Technology & Production



Metric Tons Increase Since 2008-2009 til 2018

| Country   | Corn<br>(Percent Change) | Soybeans<br>(Percent Change) |
|-----------|--------------------------|------------------------------|
| U.S.      | 21%                      | 55%                          |
| China     | 48%                      | 1.1%                         |
| Brazil    | 85%                      | 108%                         |
| Argentina | 174%                     | 73%                          |
| Canada    | 36%                      | 125%                         |
| Europe    | -9%                      |                              |
| Paraguay  |                          | 168%                         |

Source: Kirksville, MO presentation - University of Missouri



### Mega Trends 2020-2030: Non-Government Organizations



- Smithfield lawsuits
- Monsanto lawsuits
- others
- biosecurity
- open pens
- antibiotic free
- animal welfare

"NGOs more disruptive than government regulations."



# Mega Trends 2020-2030: 2020 Decade of Transition

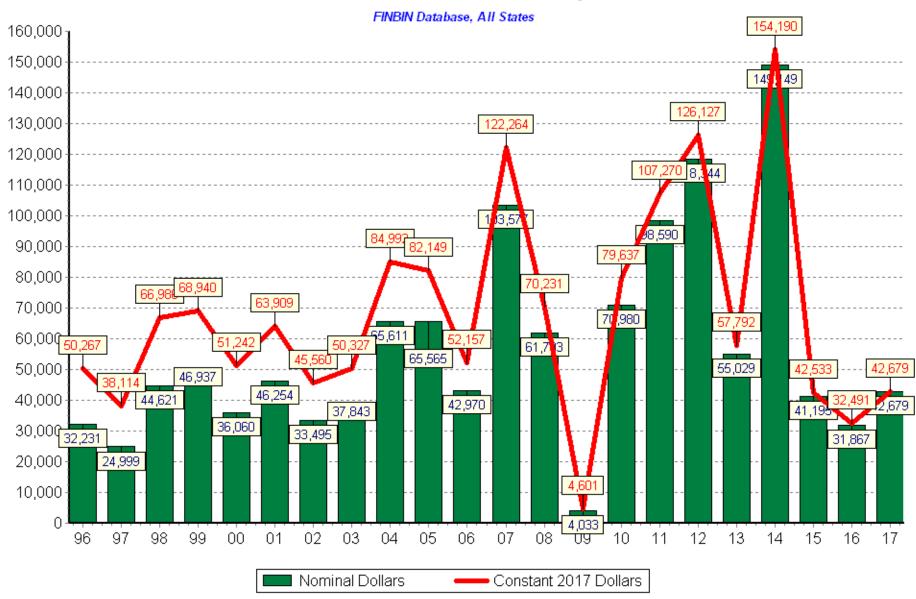


- agri-entrepreneurs multi task
- Iarger complex businesses
  - cousins
  - non-family members
- women in farming, ranching, ag lending, and agribusinesses
- ag lending / non-traditional



"The mythical becomes typical."

#### Median Net Farm Income - Dairy Farms

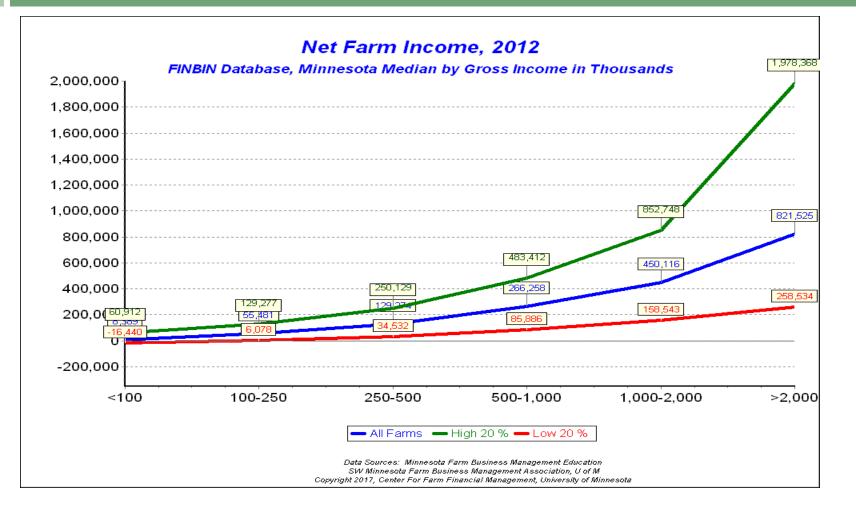


Copyright 2018, Center for Farm Financial Management, University of Minnesota

### **Producer Concerns**

- interest rate increase impacting cost of production
- family living expenses leveling off- too many generations of people living out of the business
- off farm employment and health benefits
- cash flow profits
- working capital
- Iand equity drain
- income, labor, and input costs

### Net Farm Income, 2012



### Net Farm Income, 2016

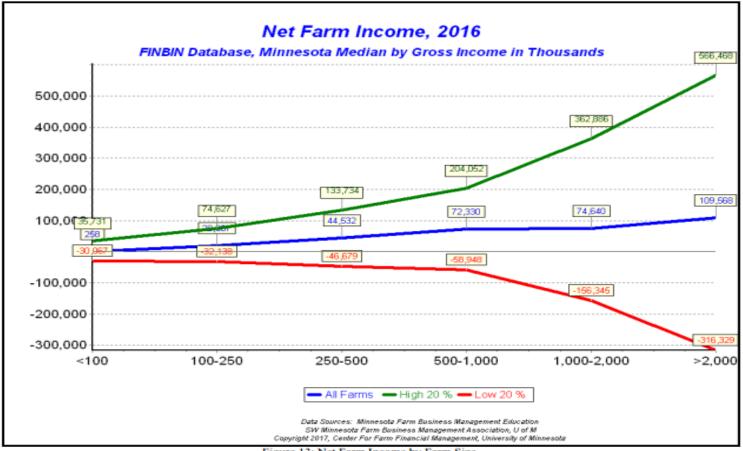
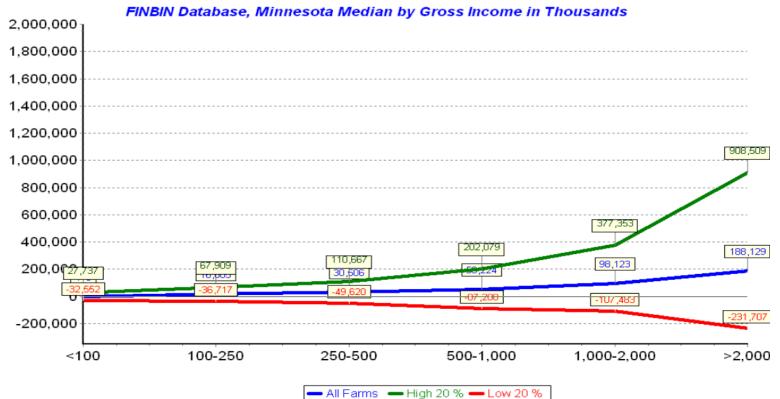


Figure 13: Net Farm Income by Farm Size

### Net Farm Income, 2017

#### Net Farm Income, 2017



Data Sources: Minnesota Farm Business Management Education SW Minnesota Farm Business Management Association, U of M Copyright 2018, Center For Farm Financial Management, University of Minnesota

## Why Some Businesses Are More Profitable Than Others

- These businesses are a "little" better at:
  - production
  - marketing
  - cost control
  - asset and capital efficiency
- utilize the 5% Rule

### **Business IQ: Management Factors** Critical Questions for Crucial Conversations

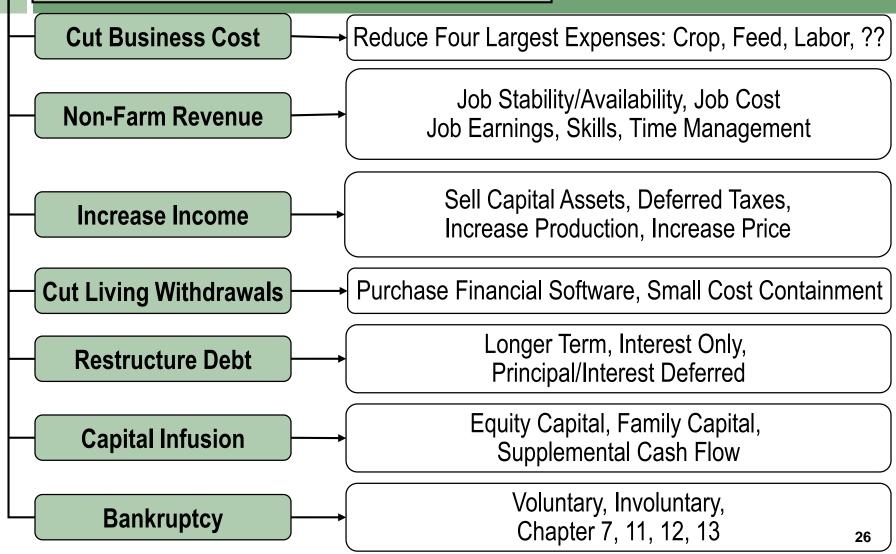
| Cus | tomer Checklist  | <u>Green (3-4 points*)</u> | Yellow (2 points)       | Red (1 point)            |
|-----|--|----------------------------|-------------------------|--------------------------|
| 1.  | Knows cost of production   | Written                    | In head                 | No idea                  |
| 2.  | Knows cost of production by enterprise                           | Written                    | In head                 | No idea                  |
| 3.  | Goals- business, family & personal                               | Written                    | In head                 | No idea                  |
| 4.  | Record keeping system  | Accrual                    | Schedule F (one & done) | No idea                  |
| 5.  | Projected cash flow  | Written                    | In head                 | No idea                  |
| 6.  | Sensitivity analysis   | Written                    | In head                 | No idea                  |
| 7.  | Understand financial ratios, break evens                         | Written                    | In head                 | No idea                  |
| 8.  | Work with advisory team and lender                               | Yes                        | Sometimes               | Never                    |
| 9.  | Marketing plan written and executed                              | Yes                        | Sometimes               | Never                    |
| 10. | Risk management plan executed                                    | Yes                        | Sometimes               | Never                    |
| 11. | Modest lifestyle habits, family living budget                    | Yes                        | Sometimes               | Non existent             |
| 12. | Written plan for improvement executed & strong people management | Yes                        | Sometimes               | Non existent             |
| 13. | Transition plan/Business Owner plan                              | Yes                        | Working on plan         | Non existent/controversy |
| 14. | Educational seminars/courses                                     | Yes                        | Sometimes               | Never attend             |
| 15. | Attitude   | Proactive                  | Reactive                | Indifferent              |

| <u>*Extra Points</u> :   | <u>Score</u> | Overall Analysis  |
|--|--------------|---|
| <ul> <li>Progressive Business may receive 4<br/>points for #2,6,7,8,14</li> <li>Struggling Business attempting<br/>turnaround may receive 4 points for<br/>#3,5,8,11,12</li> </ul> | 35-50        | Strong management rating & viability                                  |
|  | 20-34        | Moderate risk & viability; will most likely show previous refinancing |
|  | <20          | High risk & lack of long term viability                               |

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## **Trouble Shooting Matrix**

#### **Insufficient Repayment Capacity**



### **Character Counts**

### **Critical Questions & Observations for Customers**

| Cus | tomer Checklist   | <u>Yes</u> | <u>No</u> |
|-----|---|------------|-----------|
| 1.  | Are they honest, ethical & trustworthy?   |            |           |
| 2.  | Do they report all assets & liabilities accurately?                             |            |           |
| 3.  | Do they use borrowed funds as agreed upon?                                      |            |           |
| 4.  | Have they managed through adversity?  |            |           |
| 5.  | Have they followed through on educational opportunities?                        |            |           |
| 6.  | Have they saved for lifestyle pursuits & balance with business growth?          |            |           |
| 7.  | Have they had minimal surprise purchases & not obtaining credit after the fact? |            |           |
| 8.  | Have they used profits and windfalls properly for cashflow?                     |            |           |
| 9.  | Have they been willing to work with advisory team?                              |            |           |
| 10. | Have they considered coaching and constructive advice?                          |            |           |
|     | Totals  |            |           |

| <u>Total Yes</u> | <u>Character</u><br><u>Assessment</u> |
|------------------|---------------------------------------|
| 8-10 Yes Answers | Strong                                |
| 4-7 Yes Answers  | Fair                                  |
| <4 Yes Answers   | Weak                                  |

# Critical Financial Performance Index for Debt & Risk

| <u>Criteria</u>               | <u>Calculation</u>   | <u>Vulnerable</u> | <u>Resilient</u> | <u>Agile</u> | <u>Customer</u><br><u>3 Year</u><br><u>Average</u> |
|-------------------------------|--|-------------------|------------------|--------------|--|
| Debt/Asset Ratio              | <u>Total Farm Liabilities</u><br>Total Farm Assets   | >70%              | 40-70%           | <40%         |  |
| Term Debt/EBITDA              | <u>Total Term Debt (non-operating)</u><br>EBITDA <sup>1</sup>  | >6:1              | 3:1-6:1          | <3:1         |  |
| Working<br>Capital/Expenses   | <u>Current Assets - Current Liabilities</u><br>Total Farm Expenses   | <10%              | 10-33%           | >33%         |  |
| Operating<br>Expenses/Revenue | Operating Expenses <sup>2</sup><br>Total Farm Revenue  | >85%              | 75-85%           | <75%         |  |
| Coverage Ratio                | (Net Farm Income + Interest +<br>Depreciation + Total Non-Farm<br>Income – Income Tax Expenses-<br>Family Living Withdrawals) /<br>Total Annual Principal & Interest<br>Payments on Term Debts &<br>Capital Leases | <110%             | 110-150%         | >150%        |  |

<sup>1</sup> EBITDA = Net Farm Income + Interest + Depreciation

<sup>2</sup> Operating Expenses Excluding Interest and Depreciation

## **Bridge or Pier Concept**

- Before: <u>Term Debt</u> = \$1,000,000 = 4 to 1 EBITDA \$250,000
   After: <u>Term Debt</u> = \$1,250,000 = 5 to 1 EBITDA \$250,000
- no improvement in EBITDA
- refinancing using land equity
- debt levels higher
- owner equity loss, more debt service
- water is deeper near the end of pier
- the longer the pier, then the narrower the pier

## Final Thoughts

- everyone counts
- ARE's
- training and development



- A & P's of customer service
- build best relationships in the down times
- consistency of values of Farm Credit System

## Staying Positive in the Down Cycle

- network of people = self worth + net worth
- older mentor and wisdom
- education and development
- take a look at yourself
  - exercise
  - hear the silence
- giving back
- sweat the small stuff
- position for small accomplishments