## Farmer Mac Refresh: Managing Expectations

Dr. Dave Kohl

Financing Rural America°

## Road Show 2019

## Topics to be covered:

- capital, liquidity, and credit risk management options for ag lenders,
- U.S. agricultural outlook 2019 and beyond,
- new Farm & Ranch loan products and pricing options,
- ag real estate financing case studies,
- meet your underwriter tips for successful loan originations,
- utilizing AgXpress our new scorecard underwriting option, and
- working with USDA Rural Development, Farm Service Agency, and the secondary market.



### www.farmermac.com/news-events/road-show



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Macro Clinic Video Blog: www.compeer.com/education Road Warrior of Agriculture: www.cornandsoybeandigest.com Ag Globe Trotter: www.northwestfcs.com Dave's GPS & Dashboard Indicators: www.farmermac.com

# Low Margin Era

- technology- supply exceeds demand
- worldwide- new resources in production
- weather and climate changes
- base hits vs. home run profits & cash flow
- managing expectations
- focus on fiduciary fundamentals

# Volatility of Profits/Cash Flow

- trade negotiations and expectations
- weather/African swine flu
- political uncertainty
- consumer demand shifts
- structural changes in industry



# Worst Lending Experiences

- fraud: missing grain, livestock and/or machinery
- excessive family living based upon good times
- attempting to bash an existing customer
- didn't follow the plan
- continued refinances, switched lenders
- hidden account payables
- didn't use line of credit properly
- rumors that were verified
- inherited business debt free/next generation broke

# **Best Lending Experiences**

- family business, transition old to young- lender transition at the same time
- young producer FSA/bank now 10 years later, million in equity 5-45-50 program
- successfully developed and executed marketing plan
- followed a business plan, very successful advocate for other producers
- used financial benchmarking as a tool to improve the business
- developed a young producer educational program- investment paying off a decade later
- assist a customer work out of the business without losing all the equity

## **Economic Radar Screen**

- international trade
  - USMCA
  - China's Belt & Road Initiative
- synchronized global economic moderation
  - 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.

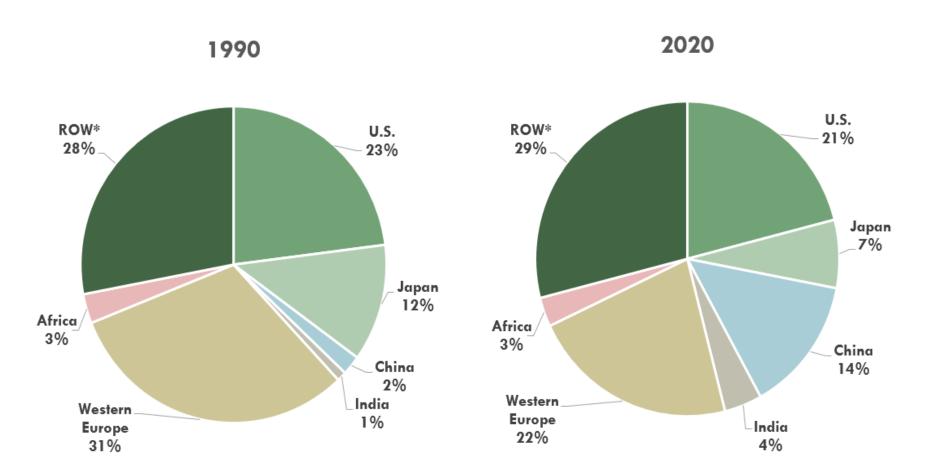


## North America's Economic Power Block

- 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

## Volatility on Balance Sheet

- Iender appetite for refinances/restructure
- customer appetite for refinances/restructure
- supply/demand- real estate, equipment and/or livestock
- regulators
- suppliers of operating credit



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

Longest economic expansions in modern U.S. history (As of June 2019) 120 1991 to 2001 2009 to present 120+ months 1961 to 1969 106 92 1982 to 1990 1938 to 1945 80 2001 to 2007 73 100 0 20 40 60 80 120 140

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

## GSBC Survey Results



Graduate School of Banking at Colorado

# Hot Off the Press – When Will the Next Recession Begin?

Estimated Start Date	Percent
First Half of 2020	8%
Second Half of 2020	36%
2021	38%
2022	8%
2023	10%



## Hot Off the Press – When the Next Recession Occurs, It Will Be....

Recession Type	Percent
Very mild and short like recession in early 2000	72%
Similar to Great Depression in 2009 Era	10%
Possible depression in U.S. similar to the 1930's	0%
Great Recession in the U.S. and globally	18%



## Hot Off the Press – Cause of Next Recession (More than 1 selected)

Cause of Next Recession	Percent
Trade issues	40%
2020 U.S. Presidential Election results	10%
2020 U.S. Presidential, Congress, and Senate results	25%
Debt issues: personal, corporate, government and student	45%
Asset price bubbles	19%
Stock market crash, more than 40%	8%



## **Hot Off the Press** — How Would You Resolve the U.S. Federal Debt Issue?

Solution	Percent
Raise taxes	1%
Cut the budget	22%
Combination of tax increases and budget cuts	35%
Cut taxes	1%
Cut entitlements and spending	15%
Implement fiscal and monetary policy designed to grow the economy	16%
Other	10%



# **Hot Off the Press** — Will the U.S. and China Sign Meaningful Trade Deal in the Next 12 Months?

Answer	Percent
Yes	52%
No	48%



## **Hot Off the Press** – Will a Meaningful USMCA Trade Deal be Passed Within the Next 12 Months?

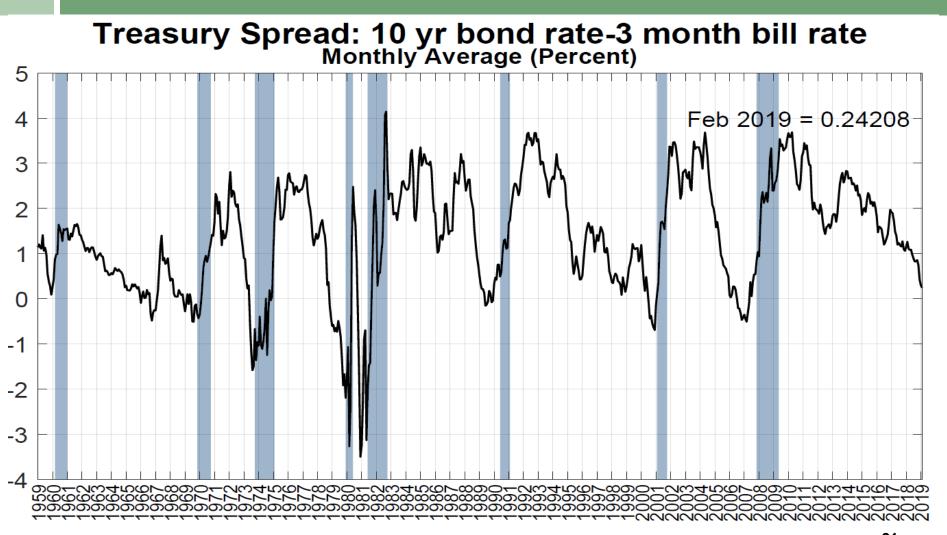
Answer	Percent
Yes	74%
No	26%



## **Top Five Economic Indicators**

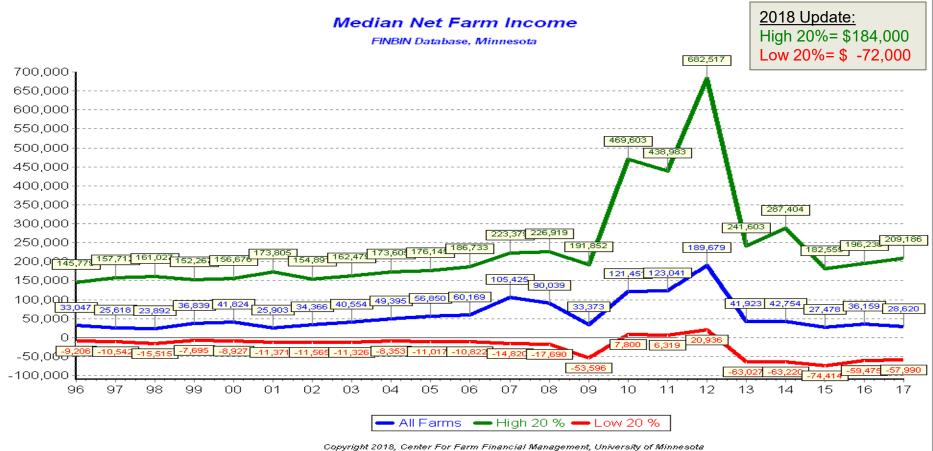
<u>Indicator</u>	<u>Growth</u>	<u>Neutral</u>	<u>Recession</u>
LEI/Diffusion Index	Positive	Flat/Decline	Decline 0.3% for 3 consecutive months AND >1% overall
Consumer Sentiment	>90	80-90	<80
Housing Starts	1.5 Million	1.0-1.5 Million	<1.0 Million
PMI	>50	41.7-50	<41.7
Stock Market	10% increase	Flat	>30% decrease

## **Yield Curves and Recessions**



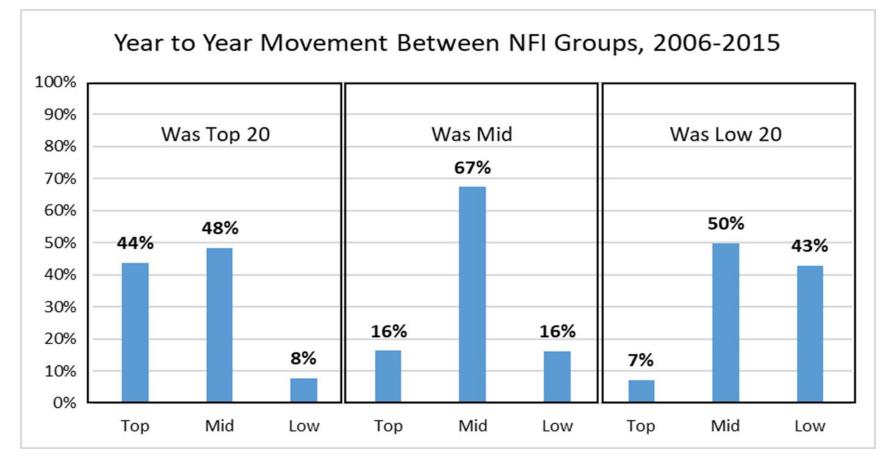
Source: Federal Reserve <a href="https://www.newyorkfed.org/medialibrary/media/research/capital\_markets/Prob\_Rec.pdf">https://www.newyorkfed.org/medialibrary/media/research/capital\_markets/Prob\_Rec.pdf</a>

## Median Net Farm Income- All, High 20% and Low 20%



SW Minnesota Farm Business Management Association, U of M Data Sources: Minnesota Farm Business Management Education

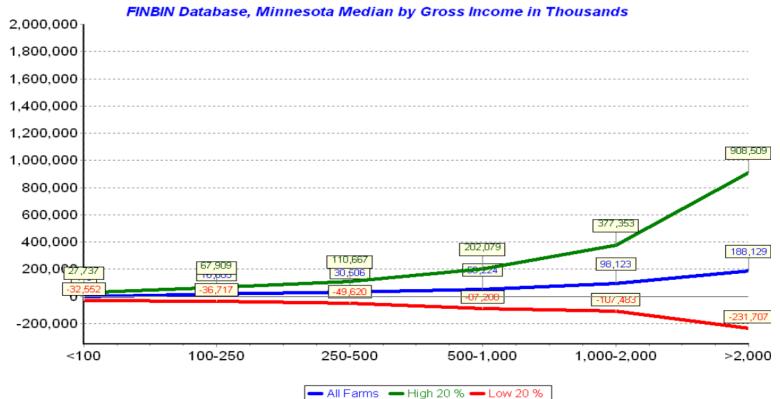
# Year to Year Movement Between NFI Groups, 2006-2015



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

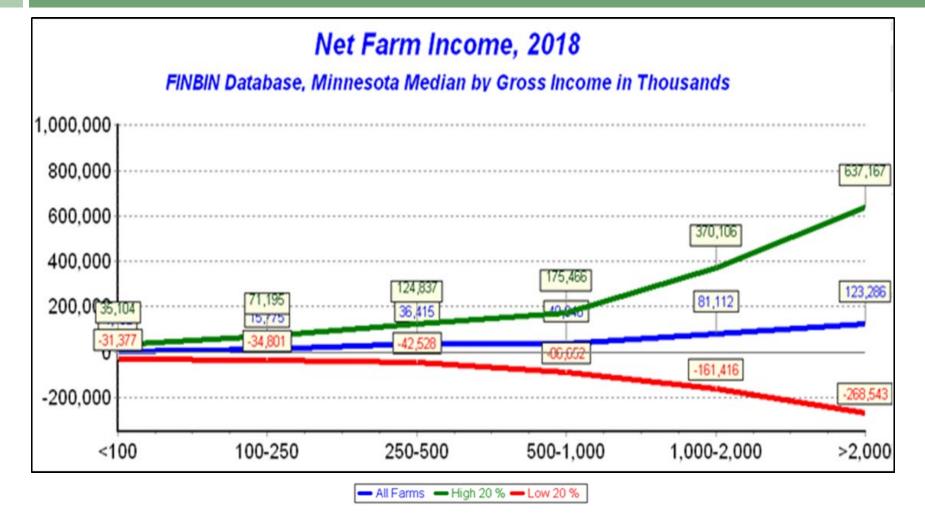
## Net Farm Income, 2017

#### 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

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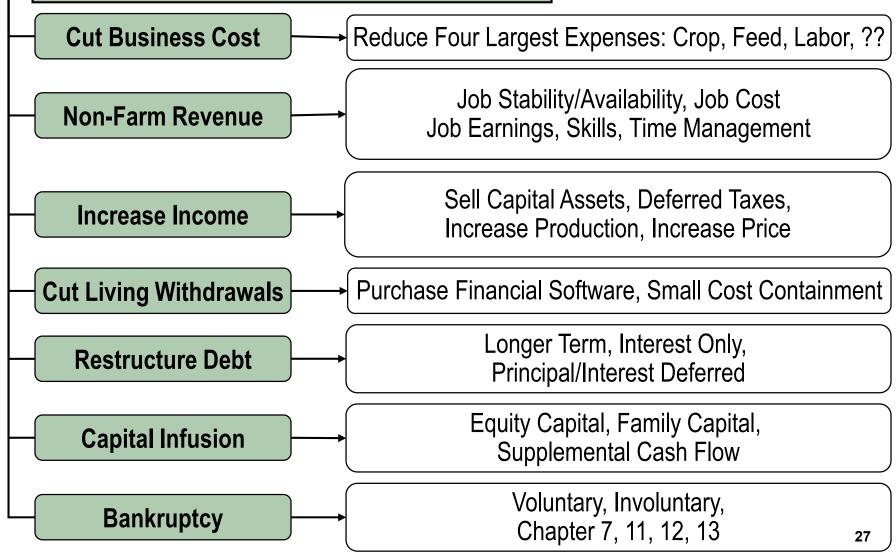
# Tim's Triple Play

- cost control, right cost
- marketing and risk management
- asset, capital and human efficiencies



## **Trouble Shooting Matrix**

## **Insufficient Repayment Capacity**



## The Burn Rate – Working Capital Adversity vs. Opportunity

## **Defensive "Adversity Oriented"**

Current Assets: \$2,000,000

-Current Liabilities: \$1,000,000

= Working Capital: \$1,000,000

Projected Loss: \$500,000

Working Capital = 2 Years

**Projected Loss** 

Red < 1.0 Year = Vulnerable Yellow 1.0-3.0 Years = Resilient Green >3.0 Years = Agile

### **Offensive "Opportunity Oriented"**

Current Assets: \$2,000,000 -Current Liabilities: <u>\$1,000,000</u> = Working Capital: \$1,000,000

Debt Service(Existing & New) Payments: \$200,000

Working Capital = 5 Years

**Total Debt Service Payments** 

Red < 2.5 Years = Vulnerable Yellow 2.5-5.0 Years = Resilient Green >5.0 Years = Agile

## Burn Rate on Core Equity Adversity vs. Opportunity

(Assume \$500,000 Earnings Loss & 20% land value decline)

Assets- Market Value	Estimated Value	Loan Maximum	Collateral Position	Remaining Principal	Equity Excess Reserves
1. Long Term (20% Decline on Land)	\$6,000,000 \$4,800,000	X 70% X 70%	= \$4,200,000 = \$3,360,000	- \$2,200,000 - \$2,200,000	= \$2,000,000 = \$1,160,000
2. Intermediate	\$3,000,000	X 60%	=\$1,800,000	- \$800,000	= \$1,000,000
3. Current	\$1,650,000	X 80%	=\$1,320,000	- \$860,000	= \$460,000

Burn Rate: Land & Long Term Equity Reserves=	Excess Reserves=	<u>\$2</u>	<u>,000,000</u> = 4.0 Years
	Earnings Loss <sup>1</sup>	\$	500,000
20% Decline			
Burn Rate: Land & Long Term Equity Reserves=	Excess Reserves=	<u>\$1</u>	<u>,160,000</u> = 2.32 Years
	Earnings Loss <sup>1</sup>	\$	500,000

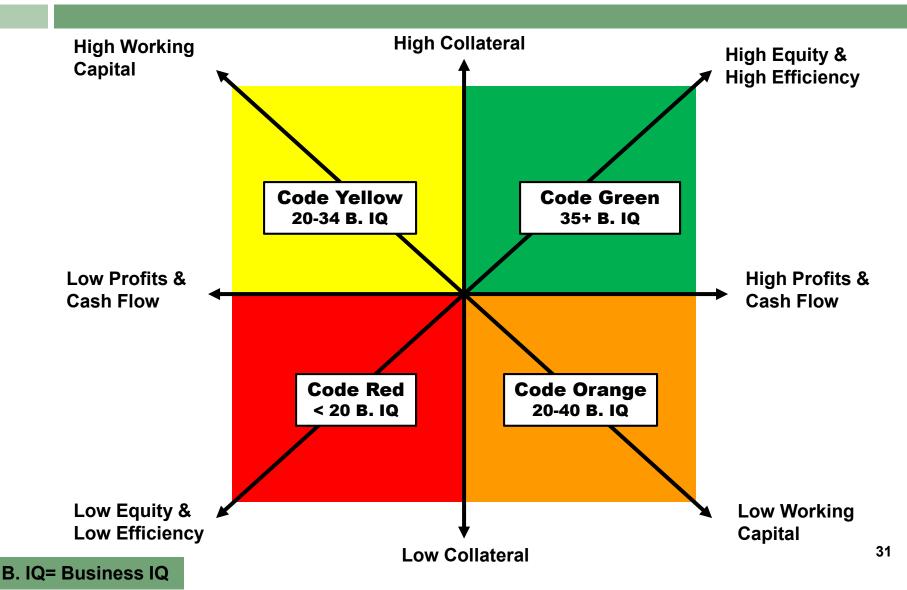
<sup>1</sup> Assume Earnings Loss of \$500,000

Red < 4.0 Years = Vulnerable Yellow 4.0-7.0 Years = Resilient Green >7.0 Years = Agile

## **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

## **Business IQ:** Spectrum of Performance Possibilities



## **Bottom of Cycle Perspectives**

- monitor financials monthly or quarterly
- one page plan
- be careful of technology: lender liability
- Iarge specialized farm issues
- DISC personality profile: know communication styles
- build better business in down cycle

## Thriving Lenders/Lending Institutions

- use financial statements as a mode of communications
- trust and verify using a network of people
- education/personal development/training
- six C's
- A.R.E.'s