# **An Economy Perspective of Today Where are we? Where to next?**

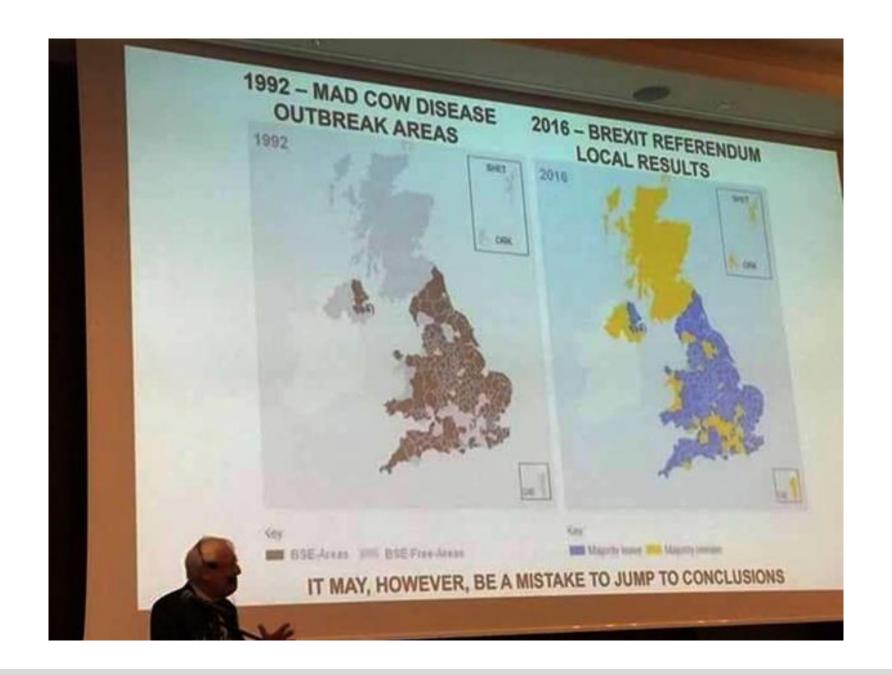
Kanlaya Barr, Senior Economist | February 25, 2019





#### **Disclaimer**

All of the views expressed in this presentation reflect my personal views about any and all of the subjects or issues.

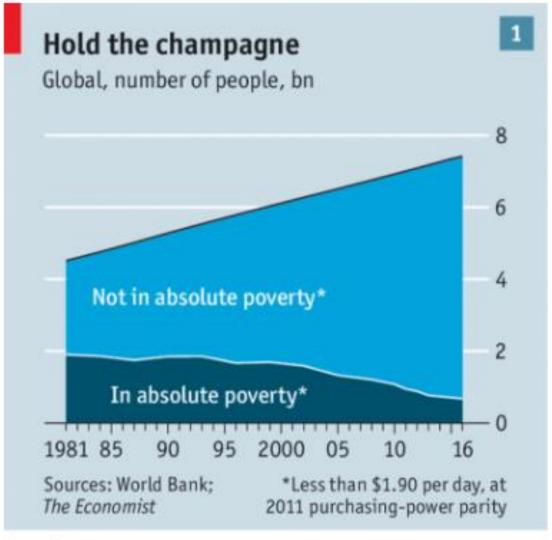






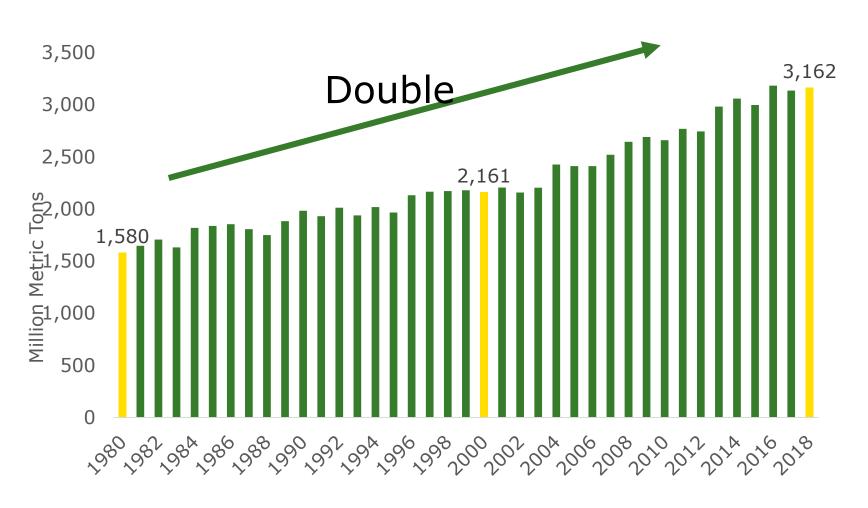
# Progress in eradicating extreme poverty





Economist.com

#### **Grains & Oilseed Production**



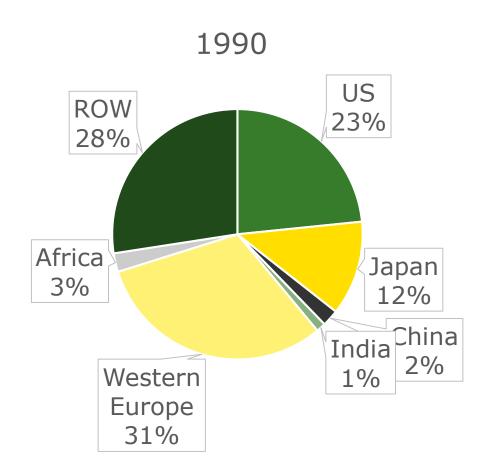
20% Land

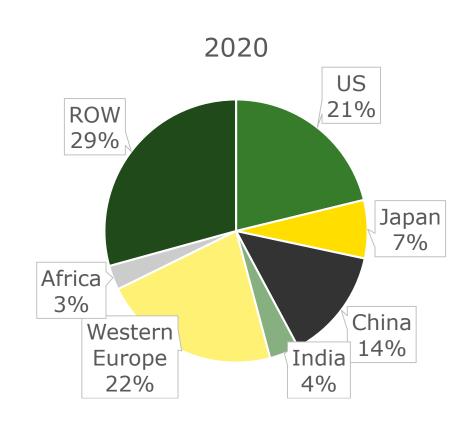
80% productivity

Source: USDA, WASDE August 2018



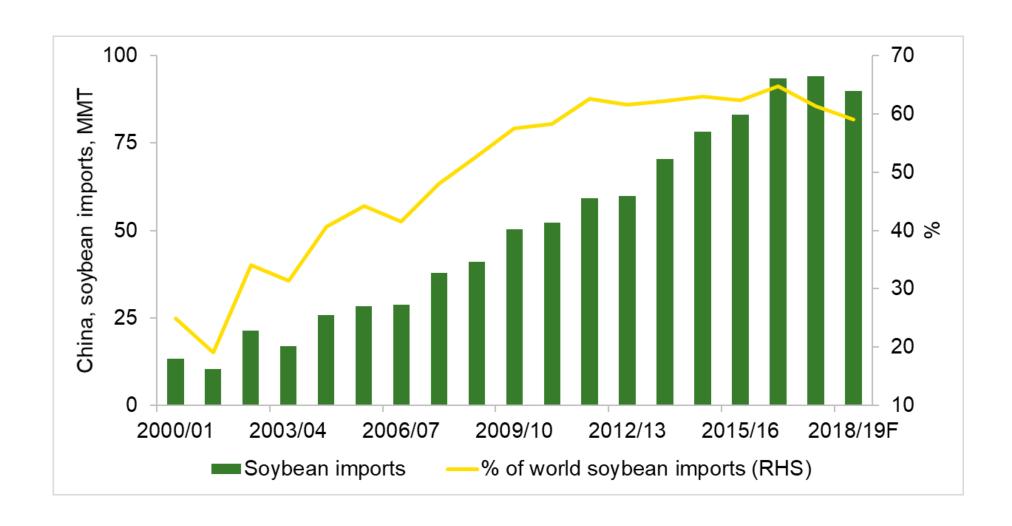
# **Rising of Asia**



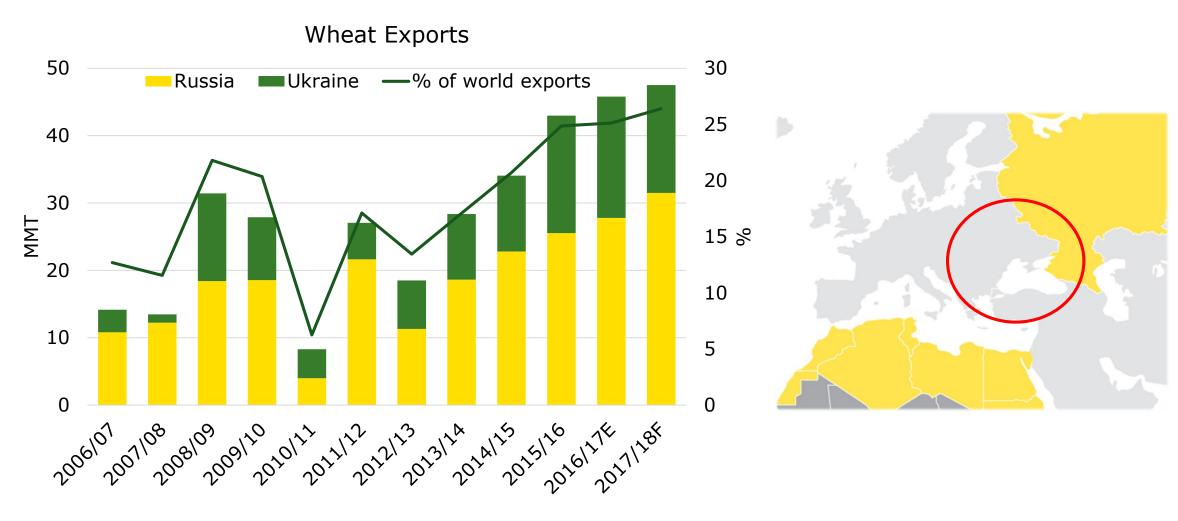


Source: Global Insights, August 2018

## China demand grows rapidly

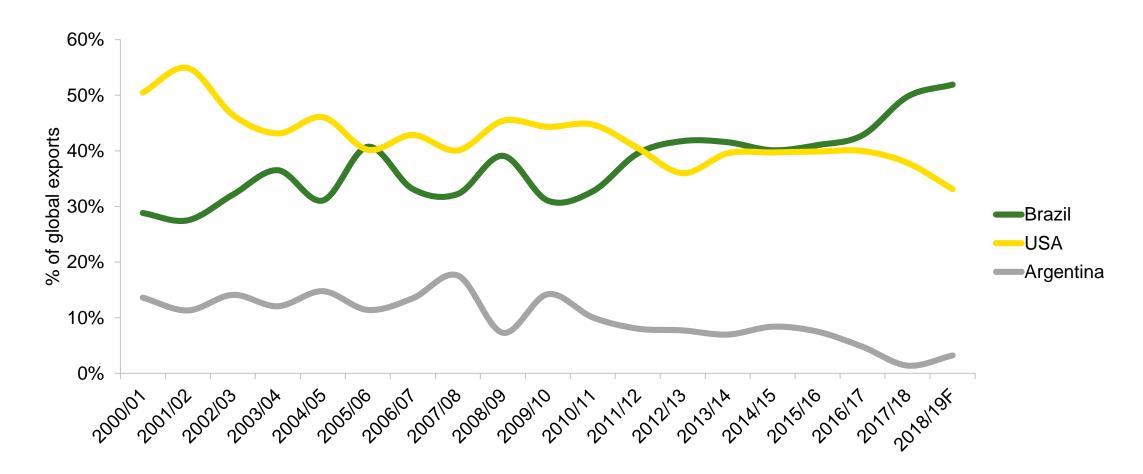


#### Rise of the Black Sea



Source: USDA FAS

#### **Growing share from South America**



Source: USDA WASDE

## South America competitiveness hindered by transportation

|                                                | Soybeans to China |                      |                |        |
|------------------------------------------------|-------------------|----------------------|----------------|--------|
|                                                | United<br>States  | Argen-<br>tina       | Brazil         |        |
|                                                | Heart-<br>land    | N.<br>Heart-<br>land | Mato<br>Grosso | Paraná |
| Regional production share, percent             | 74                | 25                   | 29             | 19     |
|                                                |                   |                      |                |        |
| (1) Farm price (1a + 1b)                       | 426               | 266                  | 387            | 429    |
| (1a) Total cost of<br>production               | 281               | 255                  | 243            | 269    |
| (1b) Farm price minus total cost of production | 146               | 11                   | 145            | 160    |
| (2) Inland transport/<br>handling cost         | 57                | 50                   | 98             | 33     |
| (3) Other policy-related costs                 | NA                | 177                  | NA             | NA     |
| (4) FOB Port price                             | 483               | 493                  | 485            | 462    |
| (5) Ocean transport cost                       | 51                | 50                   | 57             | 57     |
| (6) Landed cost                                | 534               | 543                  | 542            | 519    |

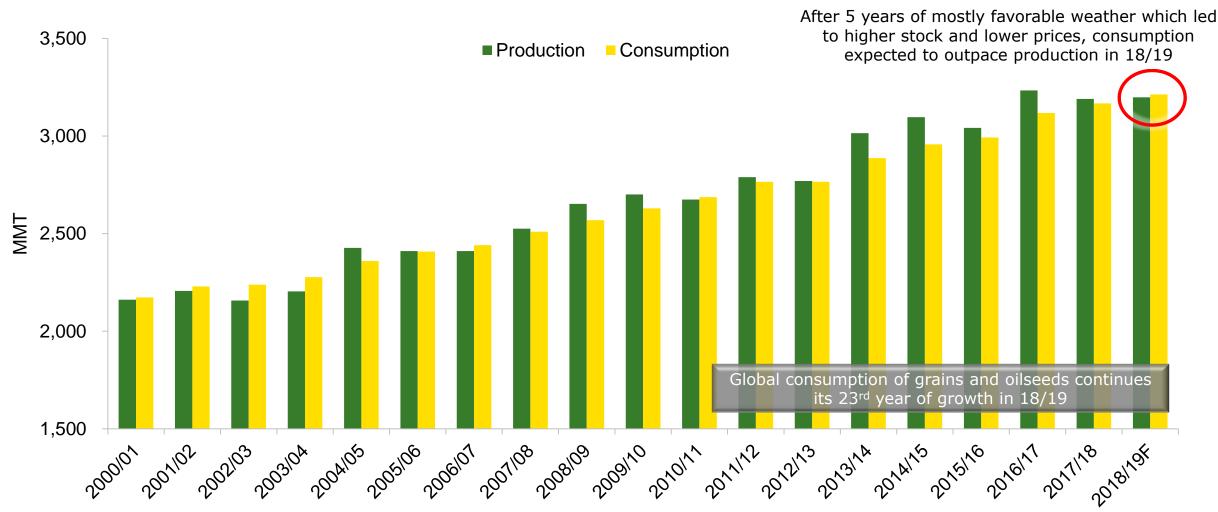
USDA report in Jun 2017

Marketing 5 year average (2008-2012)

# **Ag Economy**

#### Ag Fundamentals: Supply Vs Demand

What caused the run up in corn price between 2005-2012?



Source: WASDE, February 2018

#### **U.S. Farm Sector Overview**

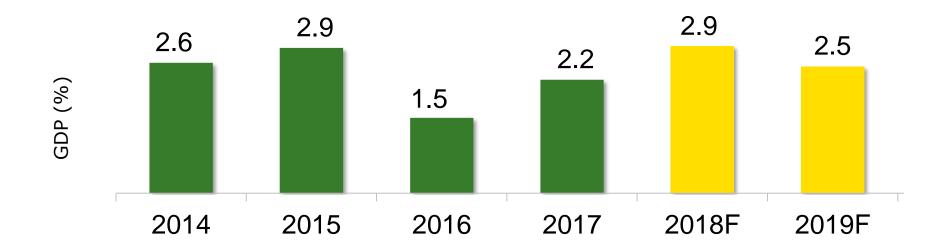
2+
million farms

990+
thousand farm businesses

6+
million people living in farm households

Source: USDA, ERS August 30, 2018

## U.S. economy: growing, decelerate pace









Rising interest rate



Tight labor market



Flattening housing market



Trade uncertainties

Source: Global Insight, January 2019

## Strong demand for proteins and dairy products

#### 2018 per capita consumption:



8 Year High



14 Year High



Almost record high



Record high for cheese & butter

55.9 lb/capita

48.3 lb/capita

90.3 lb/capita

43.1 lb/capita

Source: Global Insight, Sep 2018

#### **Short-term mitigation of trade dispute**



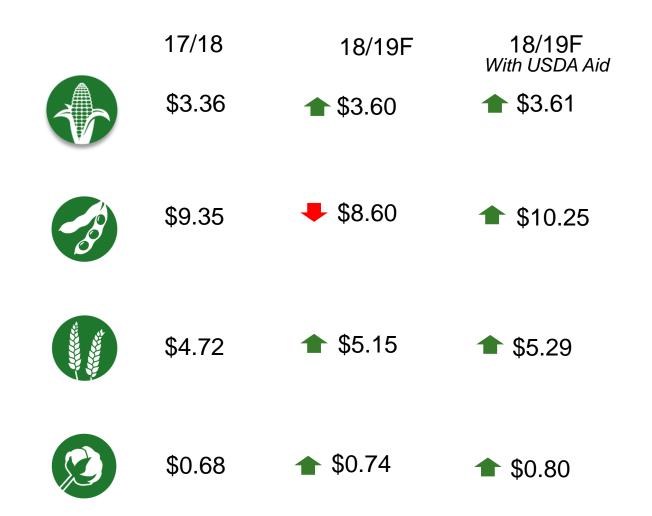




Farmers forward sold/Held their crops to take advantage of price rally Trade **recalibration** where U.S. soybeans could be sold to other destinations

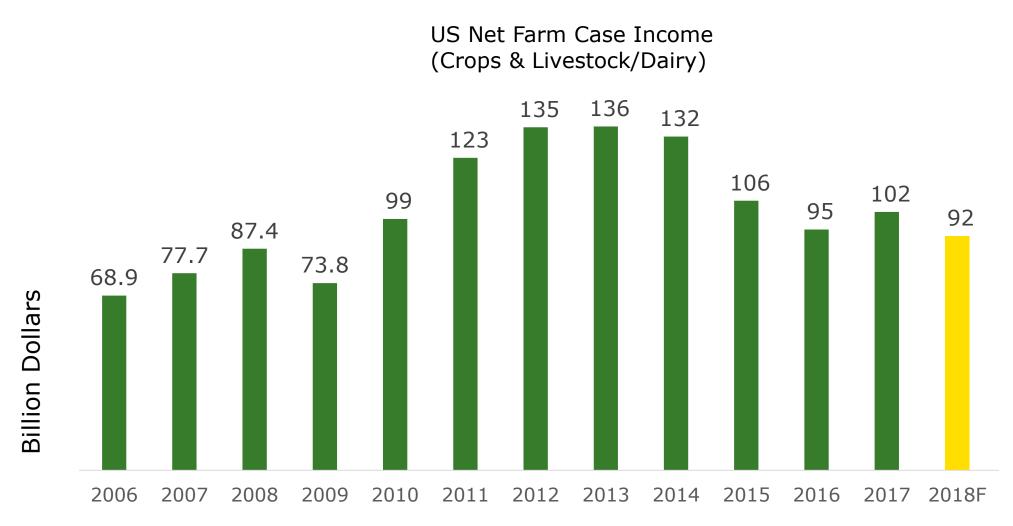
**USDA** \$12B one-time aid program

## Prices are higher than last year when considering USDA aid



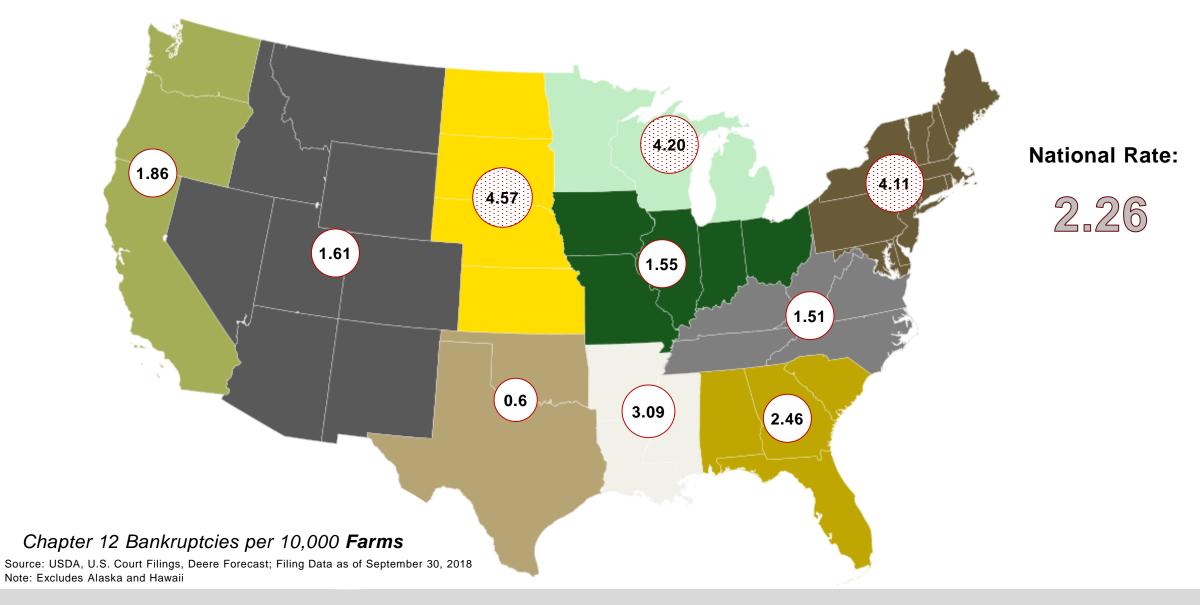
Source: 2018/19F WASDE (December 2018), 2019/20F Deere (January 2019)

## Working capital burned down from declining income

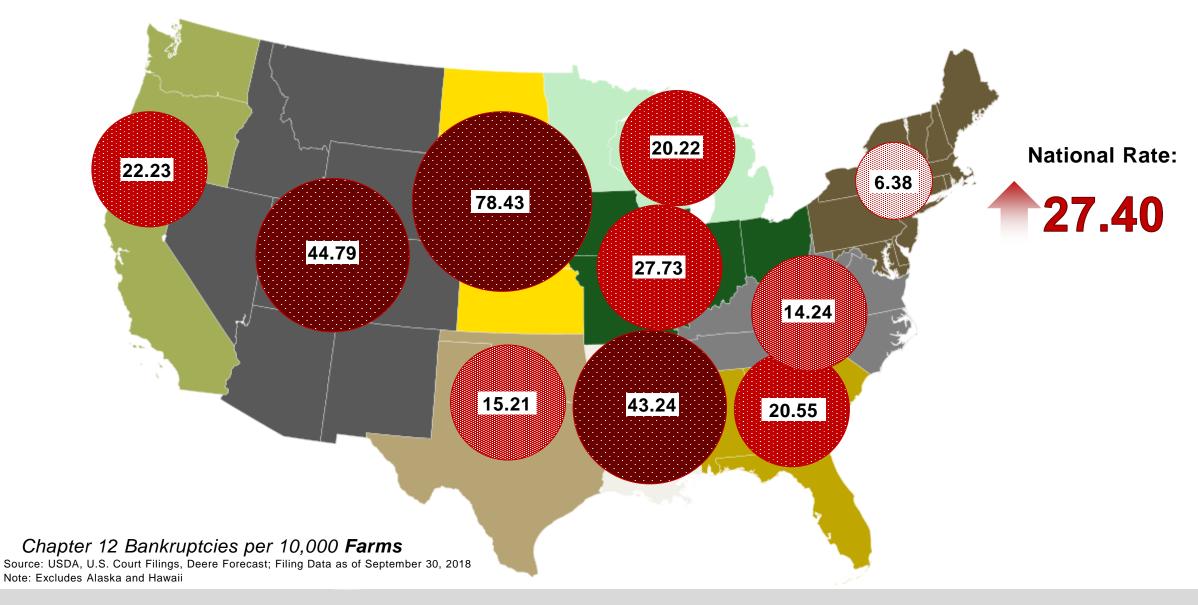


Source: USDA - ERS, Nov 2018, Deere forecast 2019

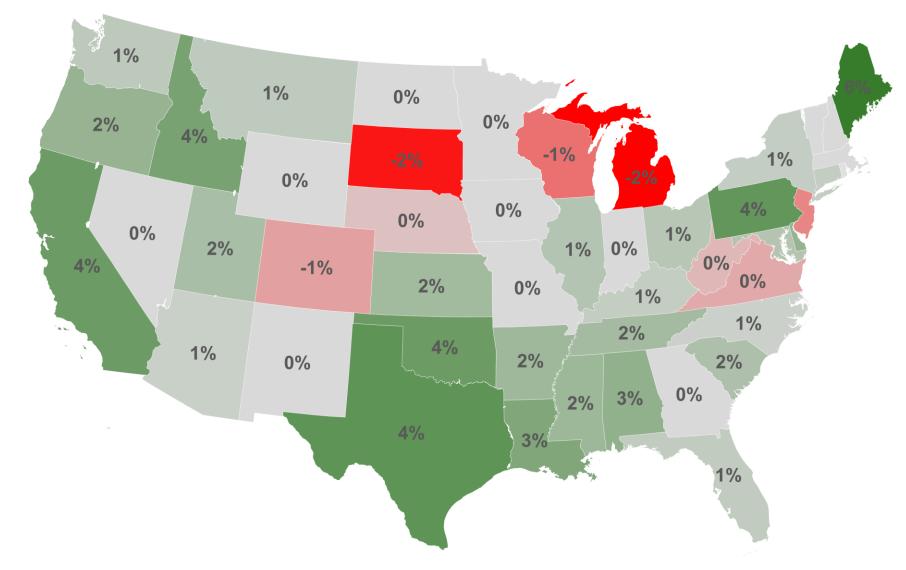
# **Incidence of Farm Bankruptcies: 2018**



# **Incidence of Farm Bankruptcies: 1987**



## 2018 vs 2017 change in farmland value



Source: USDA NASS, 2018



## In the long term, tailwind for the ag sector remains intact....

Population growth and urbanization continues

By 2050:







Growing Population +2.4B people

Urbanization **68%** 

Growing Food Demand **50%** 

Past 35 years (1980-2015), global population grew 2.9B people.

Next 35 years (2015-2030), the world expected to growth additional **2.4B** people. That's eight times the size of U.S. population today.

Urban population increase from 54% of total population in 2015 to **68%** by 2030.

Higher income typically leads to higher protein and dairy consumption.

Need 50% increase in food production by 2050 to meet the increasing hungry world.

Source: United Nations, FAO

#### This isn't our first transformation



