



## May the Force(s) be with Us: Navigating in a dynamic environment

**Carl Casale** 

**President & CEO** 

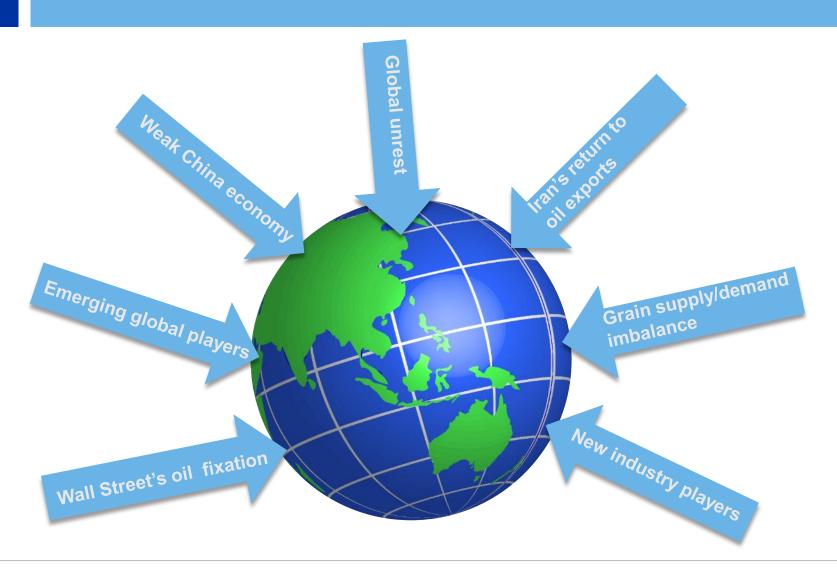
CHS Inc.

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#### A WORLD OF FORCES AT PLAY

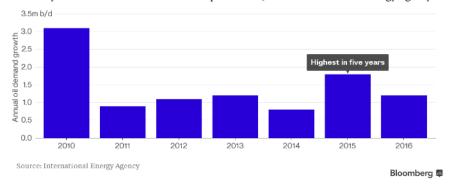




# UNDERSTANDING THE FORCES: THE CHINA FACTOR

#### **Demand Growth Slows**

Global oil demand is growing at the fastest rate since 2010 this year, but the expansion will slow markedly in 2016 as the stimulus from lower prices fades, said the International Energy Agency.



#### CHINA GDP ANNUAL GROWTH RATE



SOURCE: WWW.TRADINGECONOMICS.COM | NATIONAL BUREAU OF STATISTICS OF CHINA

- 2000-2010 China accounted for more than 40 percent of global crude oil demand growth
- 2015 China's weakest
   GDP growth in 25 years
- Projected \$2.3 billion decline in U.S. ag exports to China in 2016 (12 percent)



# UNDERSTANDING THE FORCES: CHINA'S GLOBAL AG/FOOD CONTROL PLAY







Inputs

**Outputs** 

**Market** demand



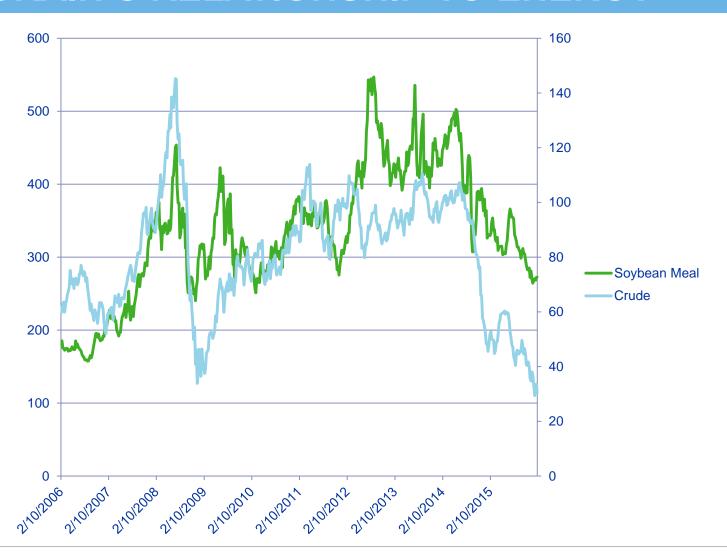
# UNDERSTANDING THE FORCES: CRUDE OIL'S INFLUENCE



Our world today, captured on the business page:
Domestic and global forces align to create previously unseen dynamics



# UNDERSTANDING THE FORCES: GRAIN'S RELATIONSHIP TO ENERGY

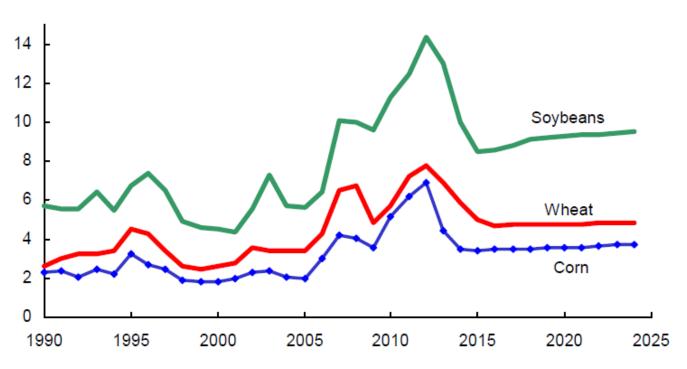




# UNDERSTANDING THE FORCES: GRAIN PRICE PARTY IS OVER FOR NOW

#### U.S. farm-level prices: Corn, wheat, and soybeans

Dollars per bushel

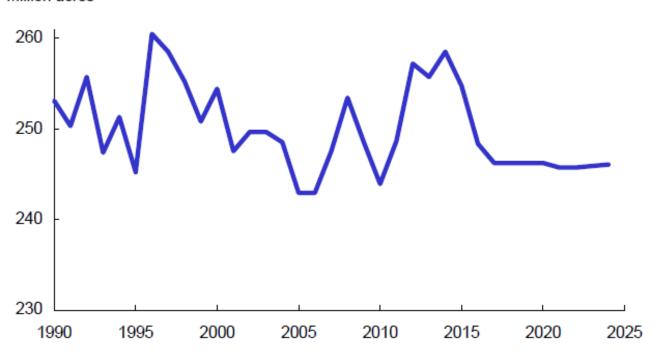




#### FLAT ROAD AHEAD FOR MAJOR CROPS

#### U.S. planted area: Eight major crops 1/





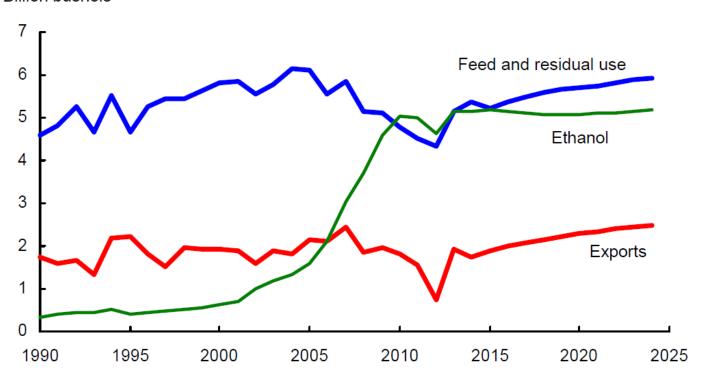
1/ The eight major crops are corn, sorghum, barley, oats, wheat, rice, upland cotton, and soybeans.



## MODEST OPPORTUNITY AHEAD FOR CORN

#### U.S. corn: Feed and residual use, ethanol, and exports

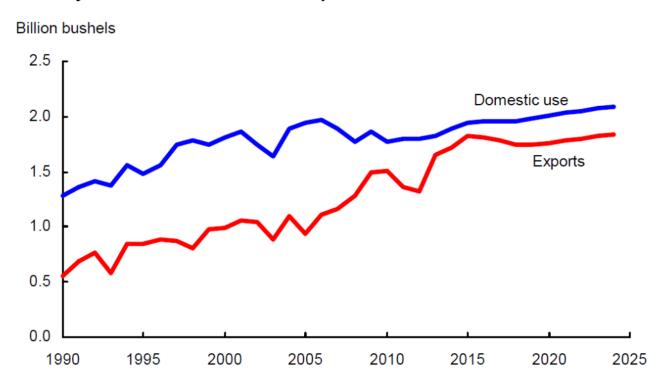
#### Billion bushels





# OUTLOOK SOMEWHAT BRIGHTER FOR SOYBEANS

#### U.S. soybeans: Domestic use and exports

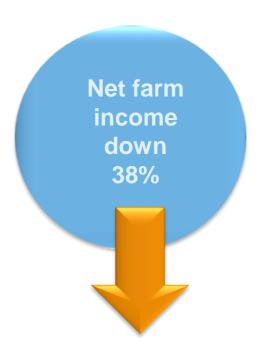




# UNDERSTANDING THE FORCES: TOUGH TIMES ON U.S. FARMS

USDA farm income estimates for 2015, compared with 2014







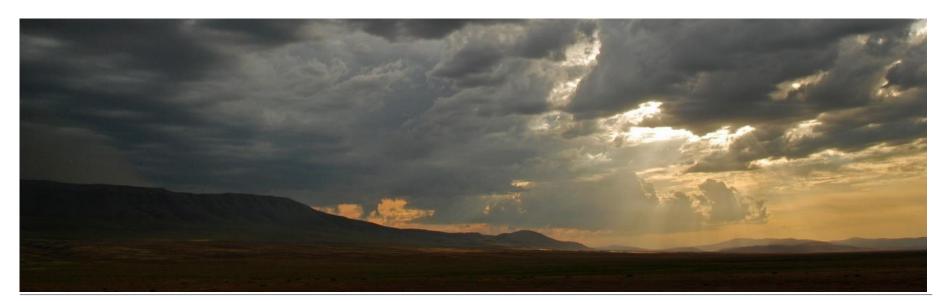
## FORCES FROM WASHINGTON: OUTLOOK FOR AG AND TRADE POLICY





## SO YOU MIGHT BE ASKING...

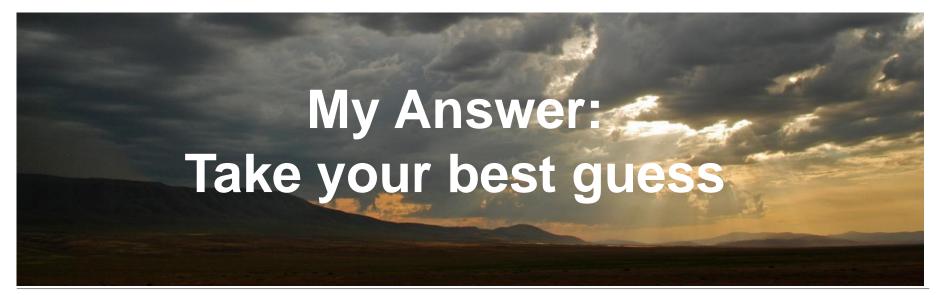
- How low will crude oil prices go?
- When will grain demand pick up?
- Is China's economy tanking?
- Will the stock market stop swinging wildly?



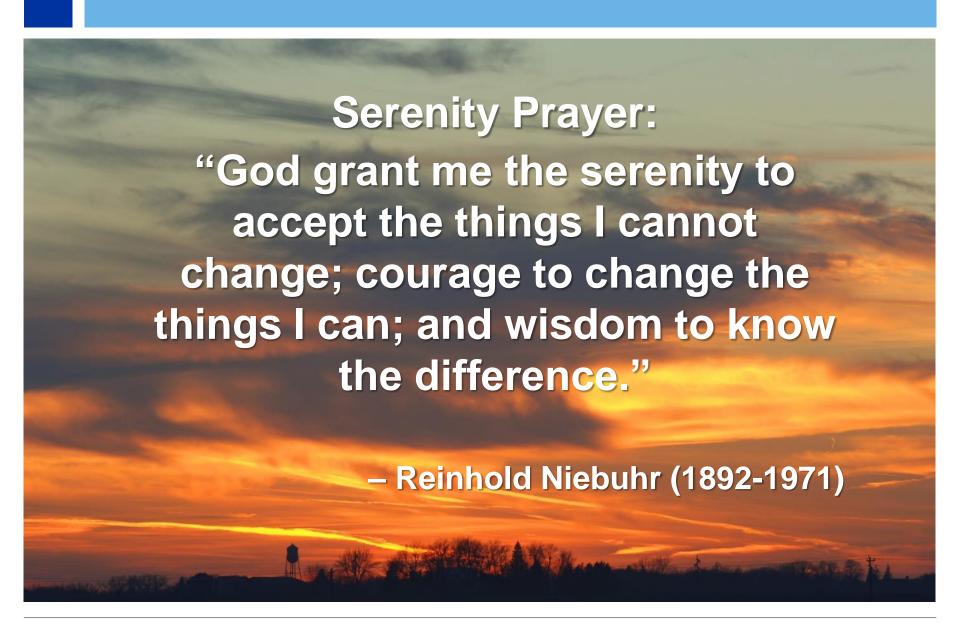


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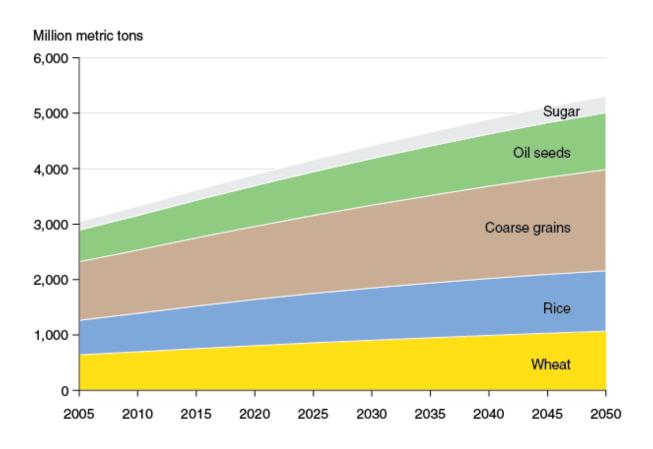






# IS GLOBAL FOOD CONSUMPTION STILL THE FORCE DRIVING OUR FUTURE?

World consumption of major field crops is projected to increase through 2050



Source: USDA, Economic Research Service using Future Agricultural Resources Model reference scenario.

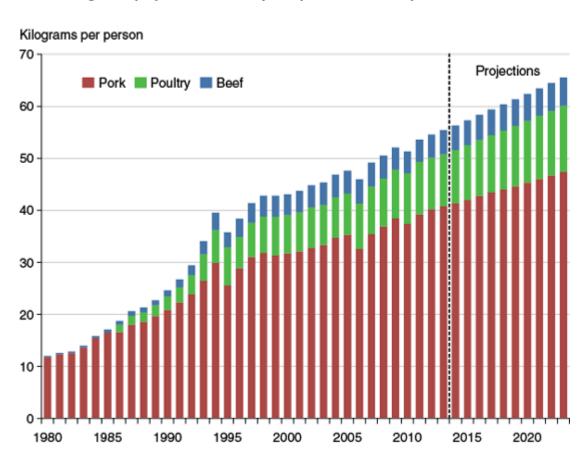






## **CHINA STILL WANTS PROTEIN**

#### Continued growth projected in China's per capita meat consumption



Source: USDA Production, Supply and Distribution database and projections.



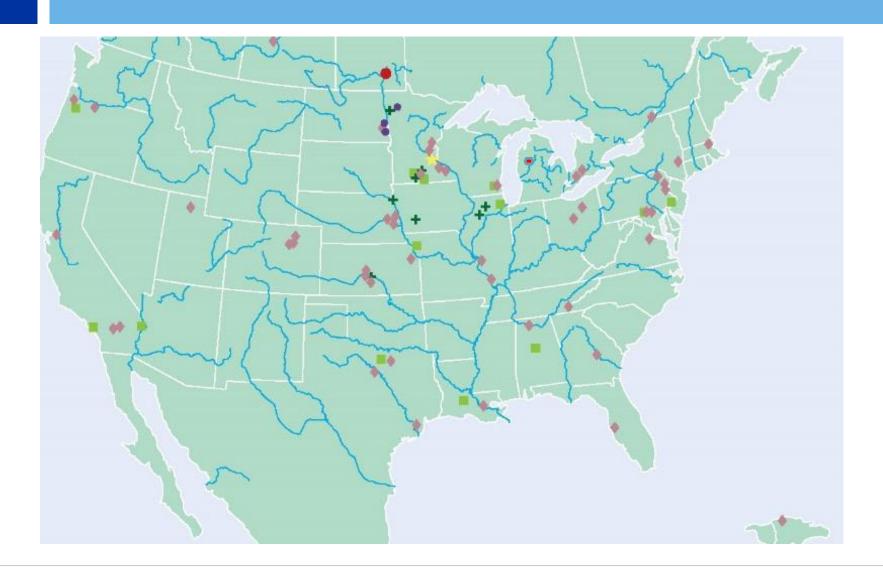
## A FORCE FOR OPTIMISM: VALUE CHAIN OPPORTUNITIES

Inputs Marketing Processing Consumer





## **VALUE-ADDED MANUFACTURING**

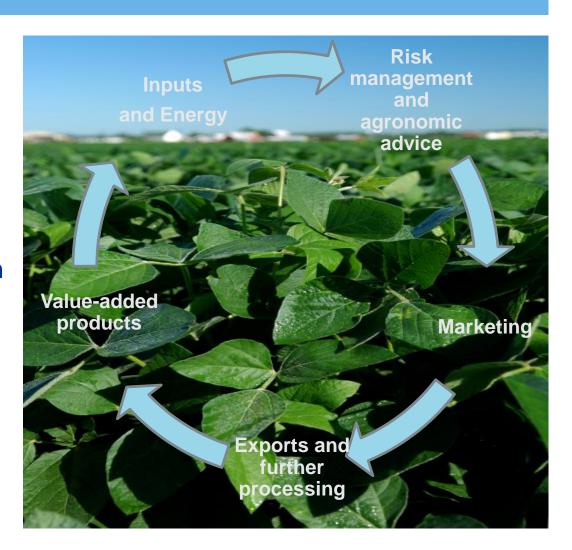




#### ADDING ENTERPRISE VALUE TO SOYBEANS

- Soy meal
- Soy oil for food, biodiesel and other uses
- Soy flour
- High-value food, pharmaceutical and industrial ingredients
- Consumer products through Ventura Foods







## **INVESTING IN OILSEED PROCESSING**

- Creston, lowa, investment of \$30 million
  - 9 million bushels annual soybean processing capacity (equivalent of 200,000 acres) to non-GMO and GMO soy flour, soymeal and soyoil
  - Expect to export up to 35 percent of production
- Acquisition of canola processing plant at Hallock, Minn.





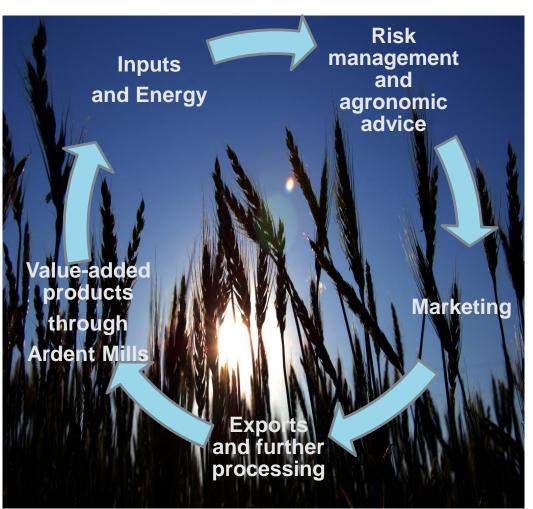


## **ADDING ENTERPRISE VALUE TO WHEAT**

 Flour through Ardent Mills









#### **SUNFLOWERS**

- Largest supplier of confectionary sunflower ingredients and largest domestic producer of hulled millet for baking
- Exporter to Europe, the Middle East and Pacific Rim
- South America sourcing and processing
- Feathered Friend<sup>®</sup> and Chirp<sup>®</sup> premium wild bird food
- Proprietary Royal Hybrid™ seed







#### **ETHANOL: THE ULTIMATE VALUE CHAIN**

Fertilizer, fuel, production expertise

**Extended** processing

DDGS marketing



**Grain marketing** 

**Ethanol** production

**Market growth** 



# THE ULTIMATE FORCE: ADDING VALUE



What our owners grow



The "Factory"



Added Value



## WE MUST BE OUR OWN FORCE: MANAGE FOR TODAY/LEAD FOR TOMORROW

- Position business for long-term success
- Manage through the challenges we face today
- Find new ways to add value
- Be ready for opportunities











## THE ULTIMATE VALUE CHAIN FARMER OWNED WITH GLOBAL CONNECTIONS





# May the force be with you!



# Ask me anything!





# Farmer-owned with global connections

