

# WHAT ADVANTAGES CAN TECHNOLOGY BRING IN A DOWN YEAR?

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"Federal data shows
bankruptcies in major farm
states last year rose to the
highest level in at least 10
years."
-AgWeb
Feb 08, 2019

Farm debt in 2019 is projected to be a record-high \$416 billion

-Farm Bureau Market Intel, October 30, 2019

"Net farm income six years ago was \$132 billion. Take away government payments it's down to \$69 billion."

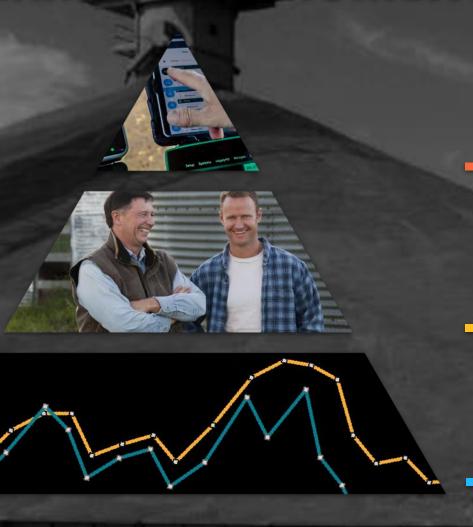
-NPR November 10, 2019

"U.S. stock market at record but farm bankruptcies at highest since 2011"

highest since 2011"
-Market Watch, November #720120SoybeanSummit



# FARMING: A MOMENT OF DRAMATIC CHANGE



Technological tipping point

Sustainability, now standard

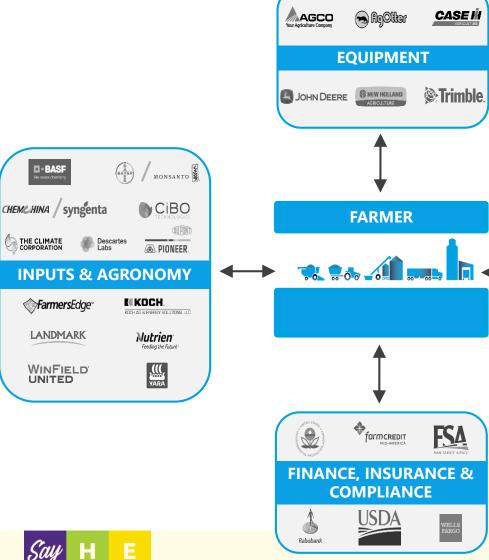
Profitability challenged

# **AGTECH LANDSCAPE 2019**





# **ECOSYSTEM IS RAPIDLY CHANGING**





## 2019 - Challenging Year

- Wet springs, early snows
- African swine flu
- Trade uncertainty
- Commodity prices

# **Changes on the Farm**

- Yield focused efforts failing
- Increasing debt
- Younger farmers
- Maturing digital ecosystem



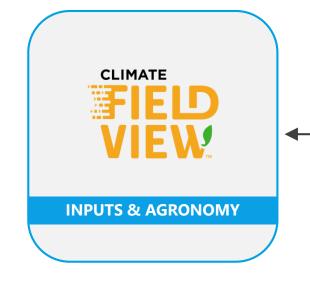


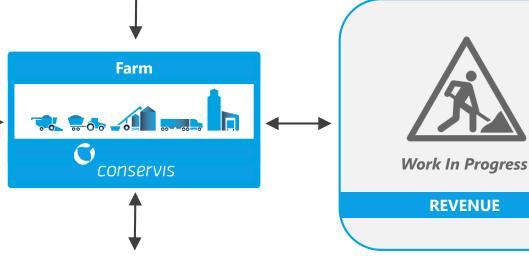




# **CONSERVIS ECOSYSTEM BUILDING WITH INDUSTRY LEADERS**















# FIELD AND FARM DATA MUST BE LINKED

Solving for agronomic success or financial accounting in isolation will not be enough

Agriculture has historically focused almost exclusively on maximizing revenue, without regard to costs or margins.

# Managing agronomy to maximize yield

- Field Boundaries
- Soil Maps & Tests
- Planting & Yield Maps
- Irrigation
- Fertilization
- Weather
- Aerial Imaging

Manage Farm Business (Finance)



Manage Field Operations (Agronomics)

# Accounting for what happened

- Lending & Lease Terms
- Vendor Data
- Equipment & Asset Data
- Inventory Records
- Pricing & Sales Records



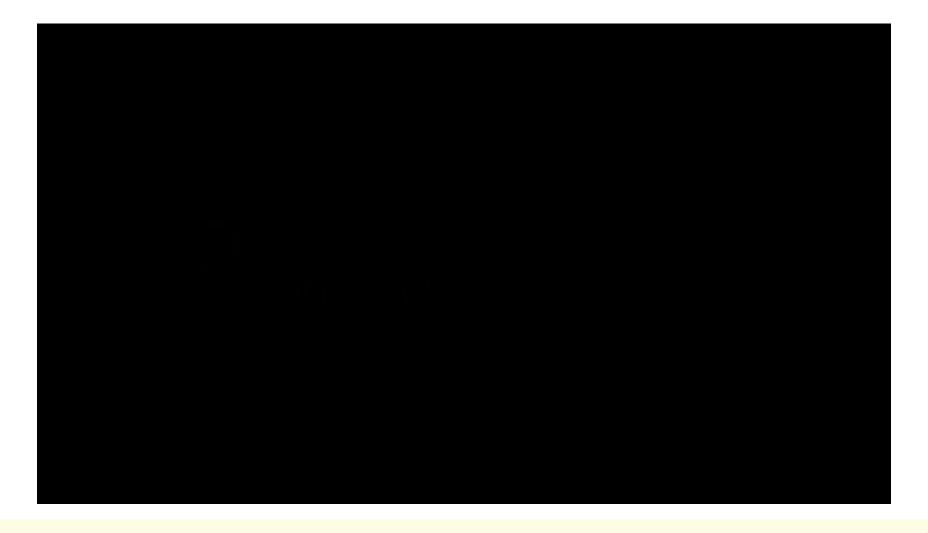








# BATES NEXT GEN FARMING

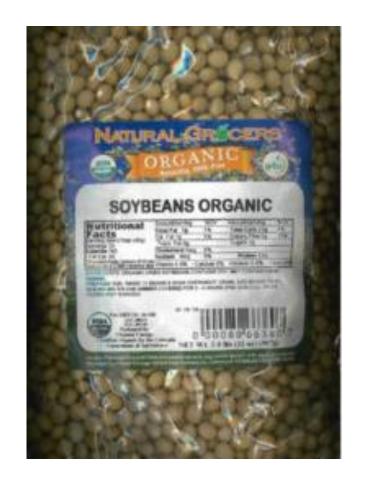
















# SPROULE FARMS - GLOBAL GAP TRACEABILITY









# What part of this field is losing money?

Did my seed variety give me the expected ROI?

But is that data telling you the full story?

Which seeding rates are most profitable?

Are there areas of this field not worth planting?

ZONE ECONOMICS VIDEO

# **ZONE ECONOMICS** Your cost on your land – Your potential profit











# INTEGRATED SYSTEMS, A HOLISTIC VIEW

Accounting Systems

Field Level Activities

Logistics

Third-Party Service Providers

Crop Insurance Agent Integrated
Farm
Management
System
(FMIS)

Inventory & Purchase Orders

Weather

**Precision Ag** 

**Telematics** 

**Market Data** 

RFID Tracking Compliance

IOT

Enables strategic decision-making and planning, drives long term sustainability:

- **Economic**
- **Production**
- **Environmental** 
  - Traceability
- Benchmarking

# SOLVING FOR AGRONOMIC SUCCESS OR FINANCIAL ACCOUNTING IN ISOLATION WILL NOT BE ENOUGH

# **Agronomics**

Hundreds of point solutions solve targeted pain points.

Nearly all focused on maximizing yield.



**Operations** 

### **Business**

Accounting and office software addresss bookkeeping and recordkeeping.

Very few are linked to field data.









# TRUSTED ADVISOR RELATIONSHIPS AND DATA







# Technology: setting up success for the next generation



# **YETI RAMBLER**



Thanks,
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