

# Observations and Trends in Swine Enterprise Productivity

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# Dramatic Improvements in Total Born and Born Alive

- **Expect 11-12 Born Alive**
  - Genetics
  - Wean age
  - Semen
  - Breeding Schemes

# Pigs/Sow/Year

- **27-30 being achieved**

- Genetics
- Wean age
- Farrowing rate
- Gilt management
- PWM

# Labor Savings Ideas

- **Auto sow lactation feeding**
- **Auto drops in B/G**
- **Power dead removers**
- **Increase wean age**
- **Biodegradable mats (vs. cleaning)**
- **Boar bots and crates**

# Boar Stud Management

- **Count consistency**
- **Bacteria management**
- **Testing**

# Decreasing P<sub>W</sub>M

(Even with larger Born Alive)

- Hot boxing and split suckling
- Dry powders
- Labor management
- Mothering

# Decreasing Sow Mortality

- **Selection rates**
- **Genetics**
- **Daily barn management**
- **Vaccination**
  - **HPS**
  - **Erysipelas**
  - **Flu**

# Achieving Farrowing Rates of 90%+

- **Wean age**
- **Semen quality**
- **Breeding barn flows**
- **Gilt management**

# Genetic Improvement

- **Marker assisted**
- **EBV stud management**

# Biosecurity Improvements

- **Insect netting**
- **Changing/Bench rooms**
- **Supply fumigation/quarantine rooms**
- **Truck/trailer washing-disinfecting-drying**
- **Composting/Incineration**

# PRRS Control

- **Depop – Repop**
- **Regional eradication**
- **Mapping/GPS**
- **Serum injection**
- **Boar stud testing**

# Bottom end pig management

- **Pig Mama rooms**
- **Gruels**
- **Cappuccino feeding**
- **Gels**
- **“High buck” diet**
- **Wean age – young or old**
- **Paylean**
- **Separate flow**
- **Excede injection**
- **Preventative feedgrades (Pulmotil)**

# Wean Age

## ■ Greater

- Decrease sow herd size or build farrowing
  - Improves death loss
  - Improves ADG
  - Decreases labor
  - Decreases feed costs

# Ileitis

- **Refuses to go away**
  - Vaccine update
  - Fiber – DDGs
  - Feed med programs

# Troubling Diseases (besides PRRS)

- **HPS**
- **Clostridium scours**
- **F18**
- **K88**
- **Circo virus**
- **Flu**

# Gilt Management

## ■ Consistently achieving

■ 90%+ Farrowing Rate

■ 11+ Born Alive

# Welfare

- **SWAP**
- **Longer crates**
- **Better sow feeders**
- **Improved sow death loss**
- **Loading and handling**
  - **Decreased DOA's**
  - **Decreased DIP's**

# Matrix

- **Widely used**
- **But not highly used**

# Autosort Barn

- **Still being studied by nearly every one of our clients**
- **Sort loss and loading really performing**

# Market Weights

- **We're at the TOP**
  - **Box weight**
  - **Serving size**
  - **Meal cost**

# Oral Antibodies

- **Feed**
- **Water**
- **Paste**

**Antibiotic and feedgrade substitute**

# Feed prices

- **Tremendous increase in ethanol plants**
- **Move away from soybeans**
  - **Corn on corn**
  - **Rust**
  - **Etc.**

# Expansion

## ■ Acquisitions and mergers VS. Expansion

# Labor Training

- **High Tech**
  - Internet
  - CD's

# Marketing

## ■ Interesting times

- Mergers
- Acquisitions
- New plants

# Feed Efficiency

## Tremendous Strides

- **Competition with poultry**
- **Will shortly be less than ADG**
  - **Genetics**
  - **Split sex feeding**
  - **Phase feeding**
  - **Better feeders**
  - **Environmentally controlled barns**

# Finishing Barns

- **Tunnel overtaking curtain**

# We don't see a big move to:

- **Pen gestation**
- **Electronic sow feeding**
- **Alternative A.I. and A.I. rods**
- **Needleless injections**
- **Detectable needles**
- **Liquid feeding**
- **Antibiotic-free**