# Can Agriculture Keep on Trucking?

Hauling livestock is more complicated than you think.

- Additional risk factors that require special planning and consideration
- · Truck drivers receive extra training
- Why trucking is more important to the livestock industry now than ever before

### Pork Farmers are Held to a Professional Standard:

- Producer Commitment
- Ethical Principles
- Industry Standards
- Animal Care Regulations
- Design and Construction Regulations
- Operational Regulations

### Industry Standards: Pork Quality Assurance

- •Modeled after Hazard Analysis Critical Control Point (HACCP) Programs used by food manufacturers
- •Identifies practices with potential for food safety risks and minimizes the risk with education on proper practices
- Certified advisors administer the training
- •Objective assessment of condition of animals at the site
- •Program is constantly being updated to reflect new technologies and better production practices
- •PQA Plus certification is **REQUIRED** by packers.
- Audit component

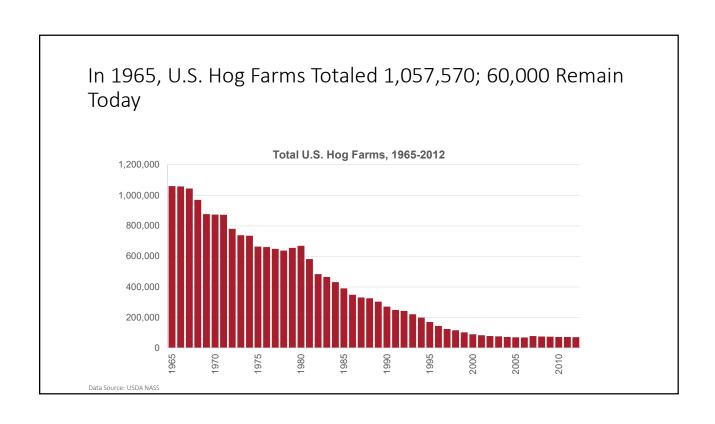


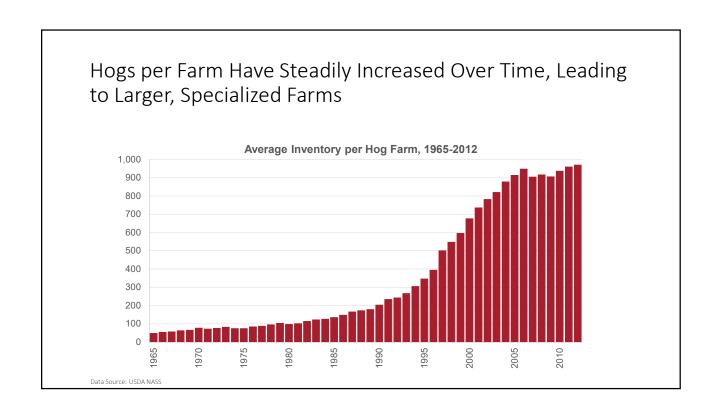
# Certified Employees

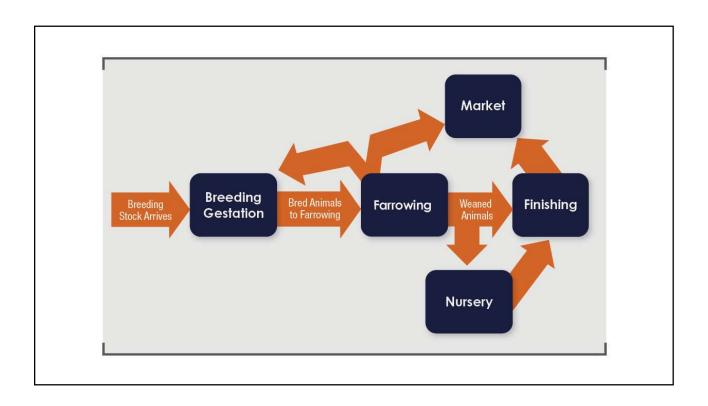


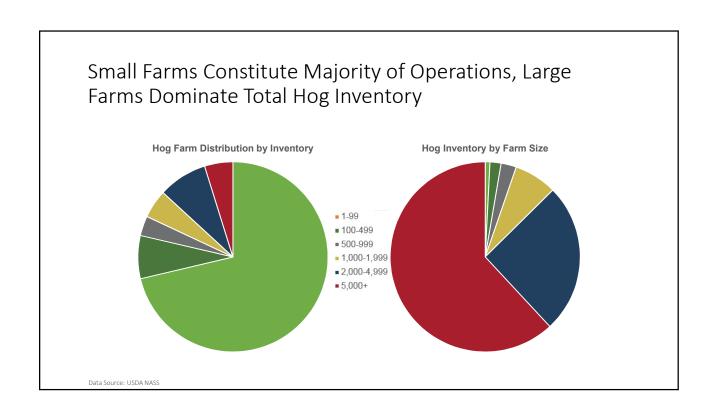
## Trends in Animal Agriculture

- 1. Expanding production
- 2. Fewer, bigger operations
- 3. Specialized farms
- 4. Contracting











### Introduct Why TQATM? Animal Well Being

- Good practices benefit the pig, the handler and the industry
  - For the pig:
    - Reduction or elimination of stressful experiences
  - For the handler:
    - Easier pig movement
    - Reduce transport losses
    - Reduce time to load and unload pigs
  - For the industry:
    - Reduced weight loss
    - · Better meat quality





# Unloading Cheduling Transportation

- Communication
  - Schedule all loads
  - Minimize the amount of time pigs are on a trailer
  - Communicate all transportation delays
- Minimize transport stress
  - Maintain steady pace
  - Minimize number of stops
  - Avoid sudden starts, stops, turns
  - Follow delivery schedule



# Unloading ransport Space Transportation

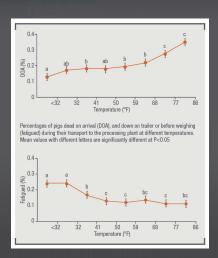
- Recommendations
  - Pigs should be able to lie down and stand up
  - Trailer should have compartments with gates/dividers with working latches
  - Changes in loading density need to be made to accommodate the weight of the pig or weather conditions
  - Research has shown that increasing loading density also increases transport losses

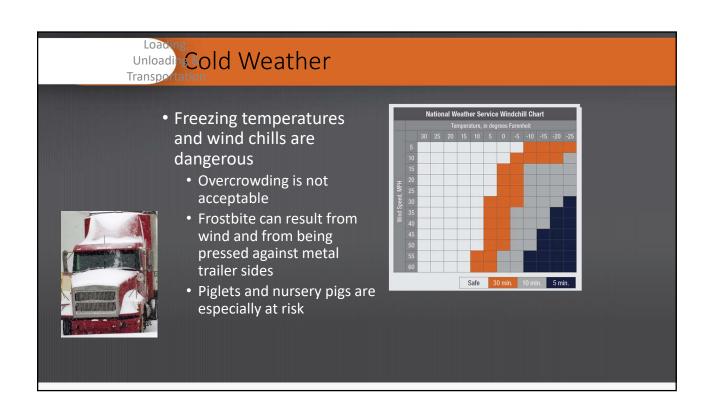
Recommendations*	
Average Weight (lbs.)	Square Feet Pe Head
12	0.6520
50	1.53
100	2.32
150	2.95
250	4.26
275	4.57
300	4.79
350	5.48
400	6.39
450	7.00
500	7.69
550	8.39

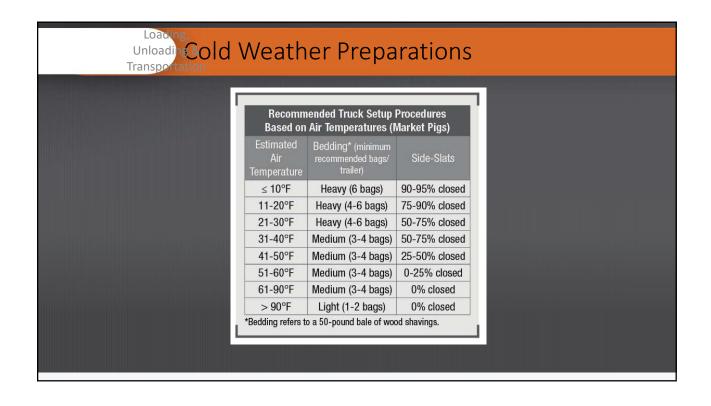
adjustment.

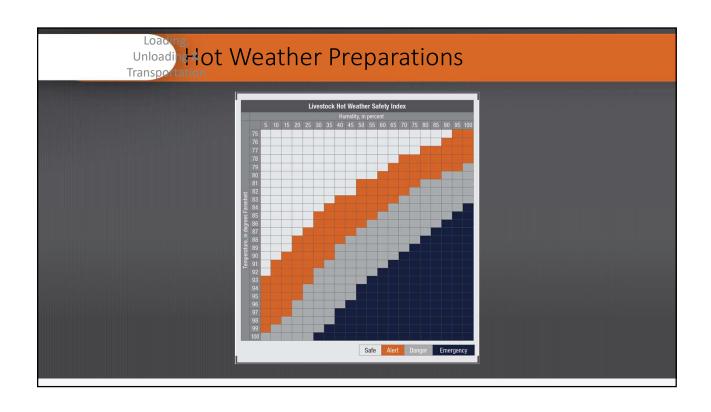
# Unloading Weather Conditions Transportation

- Improper preparation for weather extremes – especially heat and cold – cost the pork industry millions annually
- Check conditions and forecasts
  - Weather.gov or weather.com
- Temperature can be a factor for pigs becoming DOA or non-ambulatory
- It is the transporter's responsibility to protect pigs during all weather conditions



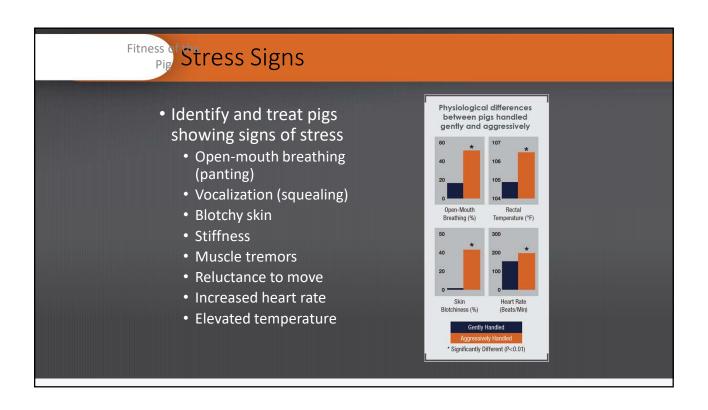


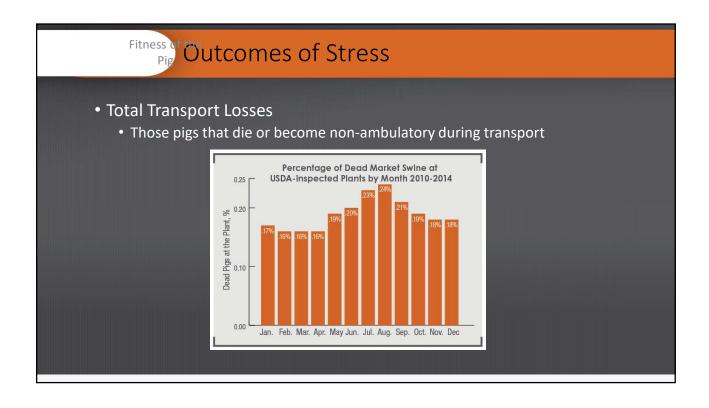


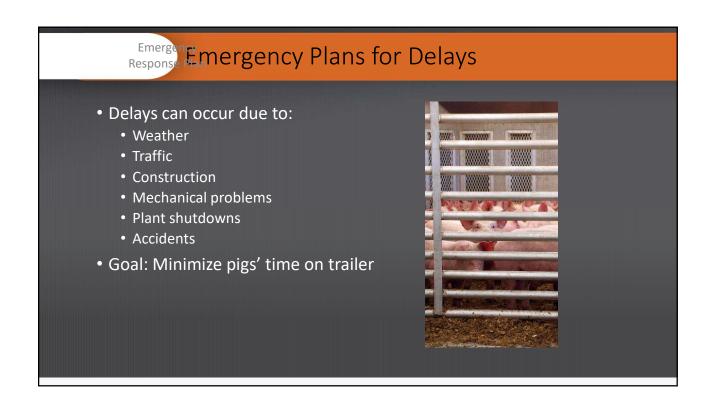




# Definition Temporarily lose the ability or the desire to walk Are reasonably expected to recover with rest Have acid-base imbalance known as metabolic acidosis Can cause pork quality defects







## Response Mechanical Breakdown

- Identify problem
- Estimate repair time
- If needed, arrange for another transport to be sent
- Consider:
  - Weather
  - Age and fitness of the animals
  - Availability of resources for livestock health (e.g., food, water, shade)
  - Location
  - Time of day
  - Safety of animals

# Laws, Audi Regulatory Agencies

- Transportation
  - Department of Transportation (DOT)
  - U.S. Department of Agriculture (USDA)
- Animal welfare and handling
  - Food Safety and Inspection Service (FSIS)
- Transport vehicles on plant property
  - Food Safety and Inspection Service (FSIS)





# Laws, Audits & Transportation of Animals — 28-Hour Law • Animals may not be confined more than 28 hours without unloading for feed, water and rest • Minimum rest time of 5 hours • Does not apply if animals have food, water, and space to rest in the vehicle • Penalties for violations

