Pork Act of 1985

- Created National Pork Board
- Oversight by U.S. Dept. of Agriculture
- Cannot use Checkoff funds to influence government
- Lobbying funded with non-Checkoff dollars
How Your Pork Team Works Together Today

- Legislative and Regulatory Relations
- International Trade Interaction
- Swine Science Expertise

Voluntary Investment:
10 cents per $100 market value

Mandatory Investment:
40 cents per $100 Market value

- Checkoff Program Implementation
- Statewide Pork Promotion
- State & Local Gov’t Policy

- Swine Science Research & Implementation
- U.S. & International Marketing/Promotion
- Producer and Consumer Education
Education and Outreach
RESPONSIBLE ANTIBIOTIC USE
on Today's Pig Farms
Protects People, Pigs and Planet

Doing the right thing
The National Pork Board represents all of America's pork farmers whose motto is “Do the right thing for people, pigs and the planet.”
This includes using antibiotics responsibly, reducing the need to use them and preparing for new federal rules.

Antibiotic Resistance
Just as human patients work with their medical doctors, animal health professionals work with their veterinarians to help reduce antibiotic resistance due to the ability of bacteria to grow in the wrong conditions that are not natural. The wrong conditions can be defined as too little or too much antibiotic use, which is not good for human or animal health.

ONE HEALTH UMBRELLA:
Shared Responsibility, Opportunity to Combat
Antibiotic Resistance
The worldwide One Health approach to combat antibiotic resistance is critical to human and animal health. This is a collaborative effort to ensure optimal health for people, domestic animals, wildlife and the environment. Medical doctors and patients, veterinarians and farmers, along with government, academia and industry stakeholders, are cooperating.

Pig farmers play an important role in the shared effort to use antibiotics responsibly to help minimize the potential emergence of antibiotic-resistant bacteria.

Did You Know
- Farmers are building on the HEALTHY FARM PROGRAM through the Pork Checkoff’s multi-billion dollar investment in a multi�year effort to reduce antibiotics and other antimicrobials.
- The Pork Checkoff’s HEALTHY FARM PROGRAM has an integrated approach that includes reducing antibiotic use, improved environmental stewardship and better management practices.
- The Pork Checkoff’s HEALTHY FARM PROGRAM is helping farmers make a difference for their pigs and help protect public health.

We Care...Pork Farmers share the same values as today’s consumers.
Keeping pigs healthy and producing high quality pork products is vital for our farmers and their customers. We support and work to develop programs that will help keep pigs healthy, which may require using antibiotics when necessary to keep pigs healthy.

HEALTHY HUMANS
- Reduced risk of disease risk for humans
- Reduced risk of resistance
- Improved public health globally

HEALTHY ANIMALS
- Improved health and productivity
- Improved animal welfare
- Improved animal health and nutrtional status

HEALTHY PLANET
- Plant and environment
- Ecological sustainability
- Improved animal health and productivity
- Improved animal welfare
- Reduced antibiotic resistance

For more information, visit pork.org/antibiotics
#ResponsibleSmart #PorkIsPigFarming
1-800-PORK-4-U
Pork Checkoff/Sponsor Code 1200-486-7976
Take Care – Use Antibiotics Responsibly™

• Introduced in 2006
• Designed to build awareness among producers and to provide guidelines on the responsible use of antibiotics
Responsible Antibiotic Use

- Decrease the Need
- Advantages/Disadvantages
- Measurable Benefits
- Management Practices
- Veterinarian-Client-Patient-Relationship
Producer Antibiotic Resource Center

- Antibiotic Resource Center located: [www.pork.org/antibiotics](http://www.pork.org/antibiotics)
  - All resources
  - FAQs
  - Additional clarifications from FDA (GFI 209/213)
Research
2019 Industry Research Priorities (Public Health)

- Antimicrobial use and resistance
- MRSA
- Influenza
- Worker Safety and Health
- Zoonotic Diseases
Checkoff Funded Antibiotic Research

- A continual research focus for the pork industry
- Dedicated research dollars in annual budget
  - Nearly 6 million in Checkoff funds have been dedicated to antibiotic-related research over the last decade
- Increasing industry focus
  - Over $1.8 million in Checkoff funds have been dedicated to antibiotic-related research from 2016-2018
2019 Industry Research Priorities (AMR)

1. Analysis and assessment of **preventive uses of antibiotics at therapeutic doses** in pork production to optimize swine health and public health.

2. Analysis and assessment of specific **animal population antibiotic treatment vs. individual animal treatment** in pork production to optimize swine health and public health.

3. Evaluation of on-farm challenges to antibiotic **record keeping** and identification of strategies to improve antibiotic record keeping practice for continuous improvement of responsible antibiotic use on the farm.

4. Exploration of strategies to protect herd health and **minimize the need** for antibiotics.
<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
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<tr>
<td>18-081</td>
<td><strong>Probiotics</strong>: Feeding the gut and beyond for post-weaning pig health</td>
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<td>18-020</td>
<td><strong>Replacing dietary antibiotics</strong> with L-glutamine and synbiotics following weaning and transport in pigs</td>
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<td>18-050</td>
<td>Effects of early-life antibiotic administration on porcine respiratory <strong>microbiota and piglet immunity</strong></td>
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<td>Phenotypic evaluation of the <strong>impact of antibiotic use protocols on antimicrobial resistance patterns in PRRS virus infected swine</strong> in a naïve environment.</td>
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<td><strong>Antibiotic resistance gene diversity and mobility</strong> in bacterial communities from post-weaning swine fed antibiotics or alternatives</td>
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Promotion
145°F

Medium-Rare
145-150°F

Medium
150-155°F

Medium-Well
155-160°F

Well
160°F
Are You Considering Raising Pigs Without Antibiotics?

Raised without antibiotics, or RWA, is a production type often associated with a food label being promoted by customers. This may provide new opportunities for producers in a rapidly-changing market and potentially increase their revenue. It is important for producers that are considering transitioning to or opening a new farm using this production type to make an informed decision before committing to a switch. Specifically, producers should consider the potential for added production costs, negative impacts on animal welfare, public health and food safety concerns prior to transitioning to this type of production. This self-assessment tool aims to provide producers with a systematic way to evaluate their ability to convert to this production type. Producers are encouraged to work through this tool with their production team, including their herd veterinarian, to ensure a smooth transition.

For All Stages of Production

- What is your herd health history?
- What previous disease challenges have you experienced?
- What is the morbidity and mortality rate and their primary cause?
- What is your antibiotic use trend over time, including injectable, water-soluble, and feed grade?
- What is the disease prevalence in your area?
- How close are neighboring livestock facilities?
- Do you know of any recent disease challenges or outbreaks at neighboring facilities?
- Have you talked to your veterinarian about transitioning to RWA and developed a strategic plan to identify and treat sick animals?
- Have you reviewed your biosecurity protocols with your veterinarian and identified and implemented areas of improvement to prevent disease introduction to the herd?
- Have you determined what steps animal caretakers should take once they identify sick pigs to initiate isolation and treatment promptly?
- How long does this process take?
- Can you shorten the time it takes to report, isolate, and treat identified animals to prevent additional illness and mortality?
- Are personnel trained to conduct daily animal observations for early disease control and the protocol for follow-up action?
- Is your facility capable of separating sick and treated pigs from the rest of the herd, including during transport?
- Do you have an identification system that can be used by every caretaker to identify hospital pens, isolation pens or individual animals?
- Do you have a contingency plan for what to do if a treated animal is not marked and is accidentally introduced into the herd?
- Have you and your veterinarian discussed potential breaks in RWA production in case of a disease outbreak?
- What is your alternative plan or marketing strategy in this situation?
- Have you considered the potential added cost of RWA system?
- Are there extra cost factors required by different programs (e.g. bedding or square footage requirements)?
- What are the marketing program requirements for the RWA production type you are considering?
- Are there other aspects such as animal welfare or additional medication restrictions included in this label?
- Does the program require you to keep additional records or undergo additional certifications or audits?
- Have you discussed the way to sell antibiotic-treated pigs to your packers or customer?

Additional Questions for Sow Farms

- Can you provide appropriately sized farrowing stalls or pens to accommodate older weaning ages?
- Have you discussed supplemental feeding for older piglets?
- Have you considered ways to control disease outbreaks between litters?

Additional Questions for Nursery/Finisher Farms

- Are you able to obtain your herd from a single sow farm to minimize co-mingling at your facility?
- Are you able to obtain weaned pigs that were weaned at an older age?
Collaboration is Key!

- NPB has taken an active role in activities surrounding public health issues including antimicrobial use and resistance.
- NPB continues to work along side academic institutions, agencies, foundations, and other members of the “barnyard” to protect public health.
- NPB will continue to dedicate research dollars to the improving our understanding of appropriate antimicrobial use in the swine industry as well as identify alternatives to antimicrobials.
Question?