

International Consortium for Antimicrobial Stewardship in Agriculture

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Agriculture Research





Foundation for Food & Agriculture Research (FFAR)

A 501(c)(3) non-profit created by Congress to complement the work of the USDA, FFAR builds unique public-private partnerships to support innovative science **addressing today's food and agriculture challenges.**



What is ICASA?

ICASA is a mechanism for the public and private sectors to leverage investments in antibiotic stewardship and animal health research, with \$7.5M funding and programmatic support from FFAR.





Public and Private Sector Benefits

Investment
Multiplier

Practical
Outcomes

Cooperative

Participant-
Driven

Access to
Thought
Leaders

Accelerated
Adoption

The largest public-private partnership of its kind

- 18 participating organizations - the entire animal protein value chain.
- 6 Working Groups focusing on major challenges.
- 60+ individual representatives collectively determine research directions.
- 20+ projects awarded with total value >\$10M.
- ICASA Participants have contributed >\$2.6M towards projects.

Working Groups

- Liver abscesses: Identify methods that allow for the management of liver abscesses in finishing cattle without the use of shared-class antibiotics while resulting in no detrimental effects to live animal performance, animal welfare, or carcass quality.
- Metaphylaxis: Solicit and support research focused on the use of metaphylaxis treatment practices in cattle and swine to enhance antimicrobial stewardship.
- Swine Health: AMR surveillance at the farm level; epidemiology and control of bacterial pathogens of swine
- Late Morbidity [in fed cattle]: Qualify, quantify and characterize the mid-day morbidity and late-day mortality issues. Identify possible explanations or causes as well as possible associated factors.
- Beef Stewardship: Support background research on antimicrobial use levels, rationale and opportunities for improvement.
- Cross-cutting Technologies: Identify and support technologies that reduce the need for animals to be treated with antibiotics.

Summary

- ICASA is collaborative and stakeholder-driven
- Public-private partnership requires “skin in the game”
- Research supports development of new diagnostics, management practices and protocols for active AMR surveillance.
- Studying the underlying drivers and animal health issues reduces the need for antibiotic use.

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