



NATIONAL RENDERERS ASSOCIATION

Updated Statement:
February 21, 2014

For more information, contact:
Dr. David Meeker, Ph.D., MBA
Senior Vice President of Scientific Services
dmeeker@nationalrenderers.com
(703) 683-0155

Porcine Epidemic Diarrhea Virus (PEDv) and Rendered Feed Ingredients

- Porcine epidemic diarrhea virus (PEDv) is currently causing significant damage to the pork industry in the U.S. and Canada. NRA strongly supports research on prevention of the virus, treatment of infected swine and preventive measures to be taken across the food chain to halt PEDv transmission and restore long-term pig health. It's important to note PEDv does not infect humans or other livestock.

Some important facts:

- Rendering kills pathogenic organisms such as PEDv because rendering is a process utilizing cooking at high temperature and drying of inedible animal and poultry byproducts for use as government-recognized safe and effective feed ingredients.
- U.S. research on pig manure, a known culprit in spreading PEDv, found PEDv does not survive temperatures of 140 degrees Fahrenheit for 30 minutes; 160 degrees Fahrenheit for 10 minutes, or even 68 degrees Fahrenheit for 7 days. Commercial rendering processes significantly exceed these temperature thresholds, using a minimum of 240 degrees Fahrenheit for 40 minutes.
- Commercially rendered products have a solid safety record for use in pig feeds when produced according to the NRA's HACCP-based Code of Practice. This Code of Practice is designed to control risk, and ensure feed safety and animal health.
- More than 95% of the renderers in North America follow the NRA Code of Practice. Procedures include time and temperature control points, strict biosecurity, sanitation, and good manufacturing practices (GMPs) for use in facilities and transport to prevent cross-contamination from raw to finished product.
- Preliminary investigations in Canada suggest a *possible* link between blood plasma meal in some pig feeds and the transmission of PEDv. The rendering industry is committed to the scientific research necessary to determine whether such a connection exists. (Processed plasma is used in feed as it contains natural antibodies to help combat disease in young pigs.)

- Several viruses more stable than PEDv are inactivated by professional, hygienic blood collection, processing systems and practices, including spray drying. Blood plasma processing (following NRA's Code of Practice and GMPs) includes heating blood products to over 175 degrees Fahrenheit and slowly cooling the product, facilitating deactivation of viruses of concern.

About the National Renderers Association

The National Renderers Association (NRA) promotes the common interests of the rendering industry in the U.S. and Canada. NRA also manages the Fats and Proteins Research Foundation, the industry's research program conducted at major universities. NRA's 36 independent renderer and integrated packer/renderer member companies operate 178 rendering plants in the North America, representing over 95% of production in those countries. More information on the organization and the modern rendering industry is available at www.nationalrenderers.org.