

## Darling Ingredients' Commitment to the Safety and Biosecurity of Rendered Animal By-products and Spray-Dried Blood Products

Darling Ingredients is a global developer and producer of sustainable natural ingredients from edible and inedible bio-nutrients, creating a wide range of ingredients and customized specialty solutions for customers in the pharmaceutical, food, pet food, feed, industrial, fuel, bioenergy and fertilizer industries. We are committed to making quality products that are safe for their intended use.

Darling has monitored the spread of African Swine Fever (ASF) through the wild boar populations in Europe and domestic swine production in China and other parts of Asia. ASF is a contagious viral disease that only affects wild and domestic pigs. Recent research at Kansas State University indicates that ASF can be spread through feed, even if no infectious animal tissues or materials are present in such feed. In a subsequent study, Kansas State researchers reported the ASF virus can survive in vegetable proteins, dry or moist pet foods, complete mixed feed and vitamins during transport, with an average half-life of 12.2 days for these substances.

Although processed animal proteins have not been implicated as a vehicle to spread ASF, Darling recognizes the importance of verifying that our animal proteins and the supply chain are safe. We have reviewed our rendering and blood protein processing methods using a science-based approach and determined that, as of this date, our manufacturing practices provide multiple safeguards to assure the safety of such products against microbial pathogens, including ASF. Additionally, Darling's facilities follow strict biosecurity protocols based on Good Manufacturing Processes (GMPs), personnel hygiene and employee training to prevent cross contamination of our finished products with ASF or other infectious disease organisms, should they be present. Such biosecurity procedures are consistent with American Feed Industry Association (AFIA) guidelines for Developing Biosecurity Practices for Feed and Ingredient Manufacturing.

We will continue to monitor the spread of and research about ASF and may modify our safeguards and practices as warranted to assure product safety.