



September 22, 2018

Purina Animal Nutrition is aware of, and has been following, the recent cases of African Swine Fever (ASF) virus in China and Europe. We are working closely with our industry partners, trade associations, and other agencies to monitor the latest information.

As of September 20, 2018, China has reported multiple confirmed cases of ASF to the World Organization for Animal Health (OIE) and ASF has been confirmed in multiple countries in Europe. ASF is a foreign animal disease and has not been detected in wild or domestic swine within the United States. ASF is a notifiable disease in the United States. Suspected cases should be reported to State and Federal Animal Health officials. Due to the nature of the virus, there is concern it could be transmitted into the United States, possibly either through infected pigs, meat or meat by-products, and/or feed ingredients. Purina Animal Nutrition is aware of the concern over ingredients sourced from China. Some vitamins (such as B6) are almost exclusively manufactured in China and significant volumes of other VTMs and key micronutrients are manufactured in China. Purina Animal Nutrition only sources from approved suppliers and offers the following information on our Chinese-sourced ingredients with regards to ASF:

High Risk Ingredients (e.g. ingredients that are by-products of swine)

- Purina Animal Nutrition does not source from China any ingredients considered high risk for ASF.

Vitamins, Amino Acids, and Other Low Risk Chinese-Sourced Ingredients

- To the best of our knowledge, the time required for transit and border clearance for most Chinese-sourced ingredients to enter the US exceeds that required for a 99.9% reduction of ASF in feed (information provided by the Swine Health Information Center).
- Purina Animal Nutrition is working with our suppliers to understand additional steps that may be taken to further prevent ASF.
- In addition to the typical supply chain time of four to six weeks from Europe and six to eight weeks from China, Purina Animal Nutrition is implementing a 45-day holding period within its own supply chain and manufacturing sites for materials sourced from ASF Identified Countries.

Purina Animal Nutrition maintains a robust ingredient supplier approval process coupled with strong internal facility processes to assure the quality and safety of our feed supply. We will continue to work with our suppliers in China and other foreign countries on what additional steps they may be taking to prevent ASF. We will also continue to work with the key industry leaders, trade associations, and animal health monitoring agencies to stay fully informed on developments around ASF.



These changes will have cost implications due to increased working capital needed to manage longer inventory/warehousing time and verification of supply chains compliance to these holding times.

Additional Resources

Spickler, Anna Rovid. 2015. *African Swine Fever*. Iowa State University Center for Food Security & Public Health. Retrieved from http://www.cfsph.iastate.edu/Factsheets/pdfs/african_swine_fever.pdf

Wagstrom, Liz. 2018. *African Swine Fever: One of the Big Three is Spreading*. National Pork Producers Council.

<https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/swine-disease-information>

<http://www.cfsph.iastate.edu/DiseaseInfo/disease.php?name=african-swine-fever&lang=en>

If you have any questions, please contact FEED Business Information Resource at (651-375-2664), or email us at FEEDBusinessInfo@landolakes.com.