

Oklahoma Department of Agriculture, Food, and Forestry's Porcine Epidemic Diarrhea Virus (PEDV) Information Page

This document was developed by The Oklahoma Department of Agriculture, Food, and Forestry (ODAFF) to educate swine producers and veterinarians about Porcine Epidemic Diarrhea Virus (PEDV). It also contains information on the closely related Porcine Delta Coronavirus (PDCoV). This disease and PEDV are very similar, and are now collectively referred to as Swine Enteric Coronavirus Disease (SECD).

United States Department of Agriculture (USDA) SECD Federal Order

In response to the significant impact SECD is having on the U.S. pork industry, USDA issued a Federal Order on June 5, 2014. USDA, States, herd veterinarians, and producers will collaborate to manage SECD in a manner that supports business continuity for pork producers and maintains a plentiful supply of pork for consumers.

There are two basic requirements of the Federal Order:

- 1. Producers, veterinarians, and diagnostic laboratories are now required to report all new positive and presumptive-positive cases of SECD to ODAFF (405-522-6141) or USDA (405-751-1701).**
 - 2. Operations reporting these viruses must work with a veterinarian – either their herd veterinarian, or ODAFF/USDA – to develop and implement a reasonable herd management plan to address the detected virus and prevent its spread.**
- [Federal Order for Reporting, Herd Monitoring, and Management of SECD](#)

General Disease Information

SECD is a disease in swine caused by emerging porcine coronaviruses, including PEDV and PDCoV. This is an enteric disease affecting pigs' intestines and is spread via fecal-oral exposure. The disease is characterized by an acute, rapidly spreading viral diarrhea which can lead to very high mortality rates in piglets three weeks of age and younger. Meanwhile, infected feeder and grower pigs develop diarrhea and vomiting, which reduces feed efficiency and leads to additional days to market, but rarely death. Adult sows usually only experience reduced body condition which may negatively impact reproduction performance. No other species are known to be affected, and it is not a public health threat: **Pork remains safe to eat.**

- [Pork Checkoff PEDV Factsheet](#)
- [USDA SECD Case Definition](#)
- [American Association of Swine Veterinarians PEDV Quick Facts](#)

Disease Prevention & Management

The following links contain a wealth of excellent information regarding SECD prevention, diagnostic testing, and management. Additionally, there are guides for swine exhibitors and exhibition organizers alike. None of this information, however, should replace a close working relationship with your local veterinarian. Your veterinarian has a strong knowledge of biosecurity and disease management practices. They can help you evaluate your animal operation's needs to develop a herd management plan which will implement some of the strategies within these lengthy guides, or to simply select the appropriate vaccine or diagnostic test.

- [Pork Checkoff PEDV Webpage](#)
- [USDA SECD Webpage](#)
- [American Association of Swine Veterinarians PEDV Webpage](#)
- [Harris Vaccines Inc. PEDV Vaccine Webpage](#) (only current commercially available PEDV vaccine)

If you have any questions please contact Dr. Justin Roach (405-522-8396) or Dr. Rod Hall (405-522-0270).