

April 10, 2024

BIOSECURITY ADVISORY: PED AND PDCOV CASES IN ONTARIO, SENECAVIRUS A IN QUEBEC

Ontario continues to see an increase of positive tests for Porcine Epidemic Diarrhea Virus (PEDv) and Porcine Deltacoronavirus (PDCOV) at farms, yards and processing plants since the beginning of the year across several counties. Traceback and elimination plans for these cases are underway. Current case counts can be viewed here:

<http://www.swinehealthontario.ca/Disease-Information/PED-PDCoV-Tracking-Map>. Producers can also track more details on PED and PDCOV in SHARC www.swinehealtharc.ca.

Additionally, Senecavirus A has been identified at a private assembly yard and at a related sow barn and nursery barn in Quebec and virus elimination plans are underway.

The majority of cases are being attributed at this time to movements of animals or people. Producers and each partner along the supply chain should maintain vigilant biosecurity measures and evaluate their exposure risks to the farms and off-site livestock assembly yards that they visit and act accordingly. As we approach planting season, particular care should be taken around manure spreading and cleaning of farm equipment that might be moving between properties. When hiring third party manure spreading companies, ensure they are aware of your biosecurity requirements.

Report all potential cases to your veterinarian as soon as possible.

To help further prevent the spread of disease, producers should consider the following:

- Limit access on your farm to essential visits only
- Have dedicated clothing for staff and visitors while inside the barn
- Shower in and out whenever possible; at a minimum, set up a Danish entry system
- Ensure all trailers are cleaned and disinfected before arriving at the barn whenever possible and assume any truck or trailer could be positive for any of these pathogens
- Conduct rule-out testing and consult your veterinarian when noticing any symptoms
- If a barn tests positive, ensure all partners are notified as soon as possible to avoid the risk of spreading disease
- Consider manure movement and the potential to spread disease through these processes to other hog barns within a close proximity
- Ensure rodents, birds and other wildlife are not able to enter barns

Symptoms of PEDv and PDCOV can include:

- Sows: Watery diarrhea, loose feces, vomiting, off feed
- Piglets: Diarrhea, dehydration, vomiting, affected pigs appear skinny, high mortality
- Weaners and Growers: Acute watery diarrhea with no blood or mucus, vomiting, off feed
- Finisher: Any level of abnormal diarrhea, that may only last a few days; no expected increase in mortality; clinical signs can be very mild in nature
- *Note: symptoms of PDCOV tend to be milder than PED and could be missed, particularly in finishers, so vigilance is key*

Symptoms of Senecavirus A can include:

- Lameness
- Vesicles/ulcers on the snout, nostrils, oral mucous membranes, tongue, udders, skin or feet
- Swelling/white band at the junction of the hoof and the foot
- Off-feed, lethargy, fever
- Suckling piglets may have diarrhea and increased pre-weaning mortality
- ***NOTE: Senecavirus A has similar symptoms to Foot and Mouth Disease, a federally reportable foreign animal disease. If symptoms are seen, do not ship animals and notify your vet immediately so rule out testing with CFIA can be completed.***

If you have additional questions or concerns, please reach out to info@swinehealthontario.ca. Biosecurity resources can be found here: www.swinehealthontario.ca/Biosecurity.

If you need mental health support during this time, please reach out to the Farmer Wellness Initiative at 1-866-267-6255 or farmerwellnessinitiative.ca.