



# Elimination of PEDV from a Nursery, Finish or Wean-to-Finish Site

Infection with Porcine Epidemic Diarrhea Virus (PEDV) can create tremendous financial losses to a pork producer. PEDV transfers via feces and survives in manure for extended periods of time. Any object that is contaminated with pig manure can be a source of infection for pigs. **There are a number of important actions to take once the diagnosis of PED has been confirmed at your site.**

## Empty the site, move all pigs to finishers or market all the animals from the site:

- Make sure all animals and feed are removed from the site.
  - Include any mortality that has occurred.
- Clean up all manure, feed spills and wood shavings around the building.
- Drag the rock perimeter around the facility to expose materials to sunlight and UV radiation.

## Water lines and rodent control:

- Drain water lines and bleach them to ensure they are clean.
- Renew rodent-control baits

## Begin detailed cleanup:

- Do a complete wash of the site to remove as much organic matter as possible.
- Use a soap/detergent to help with the removal of organic matter.

- Don't try to do it all in one washing, but try to get as much as possible with the first wash then repeat as needed.
- Clean, disinfect and remove any unnecessary materials or equipment from the site.
- Any equipment that will remain at the site must be thoroughly washed, disinfected and dried.
- Make sure to include office, load-out and any storage areas when cleaning and disinfecting.
- Don't forget equipment that is in the barn:
  - Discard any cracked plastic panels, sort boards or paddles that cannot be properly cleaned.
- Inspect the site after the clean up:
  - Make a check list and do methodical in-pen inspections so nothing is missed. Any feed, hair or manure found suggests the barn needs cleaning again.
  - Make sure the barn is dry before inspection, it is difficult to do a good job of inspection when wet.
  - Use a flashlight and screwdriver to check cracks to make sure everything is clean.
  - Use sidewalk chalk to mark spots that need to be rewashed. This makes it easier to not miss something on the final wash.
- Repeat with one final inspection prior to disinfection to confirm that the facility is completely cleaned.

## **Disinfection:**

- ❑ Once everything passes dry and cleaning inspection, disinfect according to disinfectant manufacturer recommendations.
  - Use a disinfectant suitable for PEDV referencing disinfectant information that can be found on *aasv.org*.
  - Allow the facility to completely dry after the disinfectant is applied.

## **Downtime:**

- ❑ Maintain downtime as long as can be accommodated. Site needs to completely dry between inspections and after disinfection.

## **Chutes, load-outs and area in front of entry:**

- ❑ Chutes and load-outs must be cleaned and inspected like the barn.
- ❑ Repainting or relining the chute is a good way to make sure the wood is clean.
- ❑ Put down new rock in front of load-out area and entry to ensure a clean surface.

**Follow biosecurity guidelines as published in [www.porkboard.org/PED](http://www.porkboard.org/PED)**