

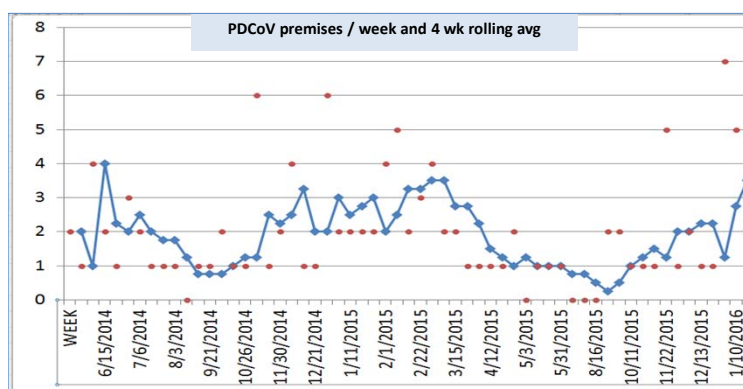
PDCoV Monitoring

- There was 0 breaks this week with 23 of 26 systems reporting.
- There were 0 additional retrospective break updates

Porcine Delta Coronavirus Update

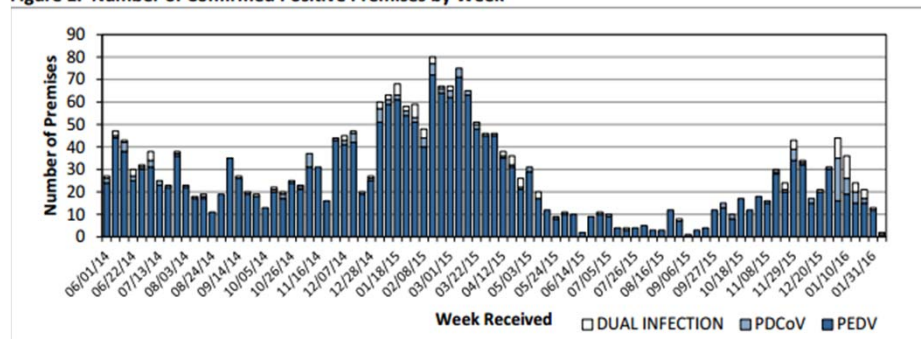
Carl Betlach and Bob Morrison

If you recall, about a year ago we stopped reporting Porcine Delta Corona virus (PDCoV) due to low numbers of cases. While the number of new cases has decreased, the virus persists and we recently described two cases of dramatically high incidence. We polled our SHMP participants for all cases dating back to June 2015 and since then, 13 new sow farm cases have been reported, the majority occurring from November - January. The chart below depicts the frequency of cases reported by NAHLN.



Similar to PRRSV and PEDV, PDCoV appears to follow a seasonal trend with higher incidence observed during the winter and spring and diminishing during the summer. Although incidence increased recently, the overall number of reported cases continues to remain low. Furthermore, when compared to the number of reported PEDV cases, PDCoV cases are relatively infrequent as is evident in the chart below, again depicting NAHLN frequency data.

Figure 1. Number of Confirmed Positive Premises by Week *



*Week the sample was received at the laboratory for testing.

In addition to the profound seasonal impact on incidence, increased awareness and biosecurity, disinfection practices and population immunity have no doubt worked together to decrease overall incidence.