

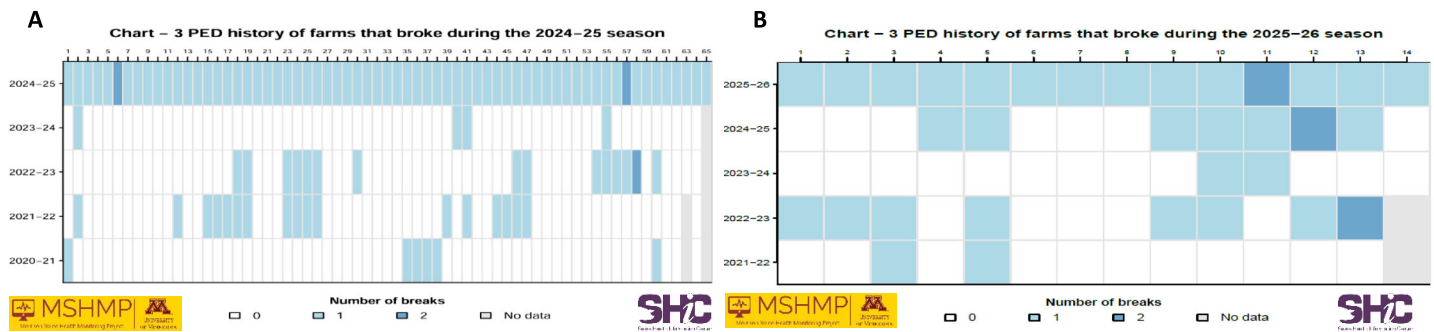
## A Review of MSHMP PEDV Chart 3: PED Outbreak History The MSHMP Team

**Key Points:**

- The MSHMP PED Chart 3 shows the PEDV break history for all farms that break with PEDV during the current year.
- The chart shows break history variability throughout the season, suggesting that sites that break are not constantly the same.

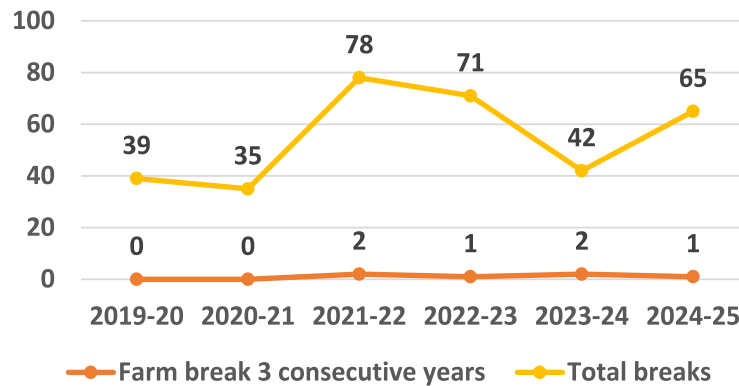
A decade ago, we introduced the PED Chart 3 in response to the recurring question of if farms breaking with PED had repeating histories of infection. The horizontal axis shown at the top indicates the number of farms that have had a break in the current MSHMP season. New farms are added throughout the year as they break. On the vertical axis we list each of these farms' PEDV historical number of breaks in the past five seasons. Outbreaks are colored in light blue (single outbreak), a dark blue (more than one outbreak within the year), grey indicating no historical data, and white indicates that the herd did not have a break in that season (Figure 1).

**Figure 1.** Chart 3 PEDV history of farms that broke in the 2024-25 season (between July 1, 2024 and June 30, 2025, Figure 1A); and in the 2025-2026 season (Figure 1B shows the partial of the season from July 1, 2025 to November 14, 2025).



By tracking the PEDV break history of farms in a given year, we can visualize whether farms that break have consistently struggled with the virus in the past. The PEDV history chart varies at different points in the season. For instance, Figure 1A shows the complete outbreak history for the MSHMP 2024-2025 season until the end of the season (June 30, 2025). We can see that Farm 1 (the first column to the left) had reported PED outbreaks in the 2020-21 and 2024-25 seasons (reflected in light blue). Figure 1B shows the break history of farms that had already reported a break during the 2025-2026 season.

Figure 2 shows the total number of PED breaks in the last six MSHMP seasons, and number of farms breaking consecutively every year in the past three consecutive MSHMP seasons. The total number of PED outbreaks decreased during 2021-2024 while increased in 2024-2025 MSHMP seasons, and that farms breaking in 3 consecutive years in a row is uncommon.



**Figure 2.** Total number of PED breaks in the last six MSHMP seasons, and number of farms breaks in three consecutive years during each MSHMP season.