Risk-Based Vaccination Guidelines:
Calf Diarrhea (i.e. Scours)
(*E. coli* (K99), Rotavirus (BRoV), Coronavirus (BCoV),
and *Clostridium perfringens* (CP))

Has Calf Diarrhea (i.e. scours) been a problem within the herd in the last few years?

- Yes
  - Consider using a pre-calving vaccine against *E. coli* (K99) and/or *Clostridium perfringens*, according to label directions.
  - Ensure good colostrum consumption by calves.

- No
  - Was a diagnostic investigation conducted to determine the cause(s)?
    - Yes
      - Which pathogen(s) were isolated as the cause(s) of scours?
        - Other Pathogens
          - Discuss with your veterinarian. Consider alternative disease control strategies.
        - *E. coli* (K99) and/or *Clostridium perfringens*
          - Consider using a pre-calving vaccine against *E. coli* (K99) and/or *Clostridium perfringens*, according to label directions.
          - Ensure good colostrum consumption by calves.
        - BRoV and/or BCoV
          - Consider using a pre-calving vaccine against BRoV and BCoV, according to label directions.
          - Ensure good colostrum consumption by calves.
    - No
      - At what age were calves typically affected with scours?
        - Less than 5 days of age
          - Consider using a pre-calving vaccine against *E. coli* (K99), according to label directions.
          - Ensure good colostrum consumption by calves.
        - 5 to 21 days of age
          - Consider using a pre-calving vaccine against BRoV, BCoV, and/or *Clostridium perfringens* according to label directions.
          - Ensure good colostrum consumption by calves.
        - After 21 days of age
          - Discuss with your veterinarian. Consider alternative disease control strategies.

Are you currently facing an outbreak of scours?

- Yes
  - Call your veterinarian to discuss a herd investigation.

- No
  - Review your herd’s risk of scours and best management practices with your veterinarian. See Scours Fact Sheet.