

Preparing the Foundations for a Strong Immune System

GOALS

Why do we vaccinate?



Vaccination: the act or practice of vaccinating; inoculation with vaccine



Immunization: is the process by which an individual's immune system becomes fortified against an agent

Vaccination Protocol Considerations

Work with your **herd veterinarian** to develop and review your vaccination protocol **at least once a year.**

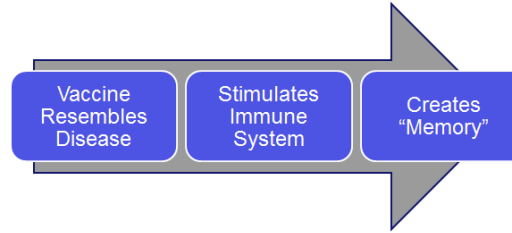


Establish what **pathogen(s)** are most likely to affect the **group of cattle** that you are vaccinating.



In order to achieve **optimal immunization**, vaccinate your animals at the **right time.**

How do vaccines work?



Considerations when vaccinating the mature cow

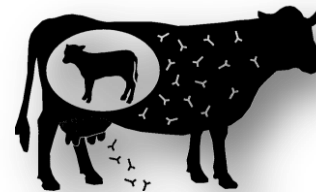
- Fetal protection against BVD
- Reproductive protection against IBR
- Pregnancy status



WORK WITH YOUR VETERINARIAN



were crafted to **overcome** **maternal antibody interference** and **dominant antigen interference.**



Challenges in achieving optimal immunity in calves:

- Calves are born without protective levels of antibodies.
- Maternal antibody levels can interfere with traditional injectable vaccines.
- Dominant antigens can interfere when administering multiple vaccines at once.

Putting it all together

