

Why vaccinate during the pre-calving period?

Calves that get off to a poor start rarely catch up to herd mates. In one study, calves that became sick in the first four weeks of life weighed 35 pounds less at weaning than their healthy herd mates.¹ On a \$1/pound market, this means \$35 less per sick calf come sale day at weaning.

Disease-causing agents are ever present; however, they are an even greater challenge during the calving period. Factors such as cows in poor body condition, over-crowded calving areas, inclement weather, difficult calving and inadequate colostrum quality and/or uptake all increase disease risk.

The solution to disease prevention is lowering the challenge with good

hygiene and maximizing resistance with good nutrition, low stress and vaccination. The ImmPact program incorporates vaccination into the pre-calving and calving period, with products such as Scour Bos, Vira Shield and Ecolizer.

Scour Bos and Vira Shield help stimulate the cow's immune system to produce maximal amounts of antibodies, which provide passive immunity to the calf when it ingests the antibody-bolstered colostrum. **Always** ensure that each calf ingests at least four quarts of colostrum within six hours after birth. Colostrum contains the antibodies and nutrients the calf needs to fend off disease during the first two to three months of life.

1. Wittum TE, Perino LJ. Passive immune status at postpartum hour 24 and long term health performance of calves. *Am J Vet Res.* 56(9):1149-1154, 1995.

Practice Beef Quality Assurance:

Like all food products, beef needs to be good tasting, safe and consistently high quality to earn consumer loyalty. Novartis supports Beef Quality Assurance (BQA) efforts, in the quest for quality beef, by providing subcutaneous (SubQ) claims on its products whenever possible.

To follow BQA guidelines when injecting:

- Use the new, smaller triangular injection zone shown in blue
- Use SubQ injections in the neck whenever possible
- Use the "tenting" injection technique and a 1/2- to 3/4-inch needle to ensure a true SubQ administration
- Give intramuscular (IM) shots in the smaller blue zone

Use oral, intranasal and topical routes when possible.

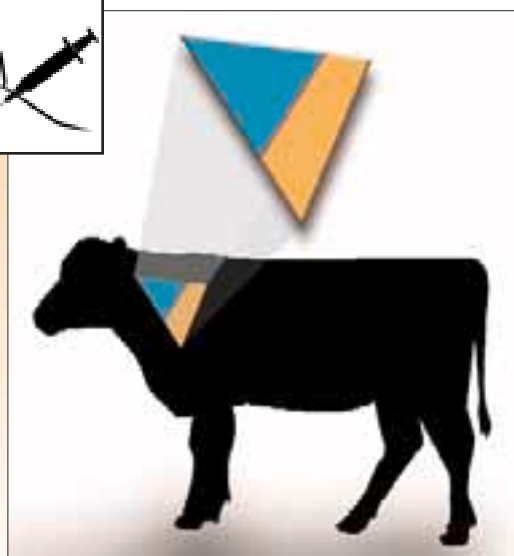
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*Novartis encourages you to work with your veterinarian to customize ImmPact.
For more information about Novartis vaccines, contact your veterinarian or animal health supplier.*



www.livestock.novartis.com



IMPACT POINT: PRE-CALVING



ImmPact
A prevention pact for healthy
healthy market relations

A healthy, vigorous calf is a producer's most valuable asset. Healthy, strong calves are the key to a cow/calf operation by:

- Attaining heavier weights
- Achieving better average daily gain and improved feed efficiency
- Reducing treatment costs
- Receiving top dollar from the market
- Producing a high-quality calf

