



Livestock Production

Animal Anatomy, Physiology and

Animal Health

Handout I I

Understanding Vaccine Labels

Example:



Let's examine what each of those sections is about, using Vira Shield® 6 as an example. Vira Shield 6 is a vaccine that prevents several respiratory and reproductive diseases in livestock.

Indications—This section tells you what disease or diseases the vaccine prevents and what types of cows should receive the vaccine.

INDICATIONS: For use in healthy livestock, including pregnant cows and heifers, as an aid in the prevention of disease caused by infectious bovine rhinotracheitis (IBR), bovine virus diarrhea (BVD Type 1 and BVD Type 2), parainfluenza Type 3 (PI3), and bovine respiratory syncytial (BRSV) viruses. Produced from non-cytopathic (BVD Type 1 and BVD Type 2) and cytopathic (BVD Type 1) isolates.

Directions—This section explains how to give the vaccine to the cow, including the quantity or volume of vaccine a cow should receive. The two most common routes of vaccine administration are intramuscular, which means injecting directly into the muscle, and subcutaneous, which means injecting just under the skin.

DIRECTIONS: Shake well before using. Administer 5 mL subcutaneously. In accordance with Beef Quality Assurance guidelines, this product should be administered subcutaneously (under the skin) in the neck. Revaccinate in 4-5 weeks. Vaccinate dairy cows at dry-off. Revaccinate annually or as recommended by your veterinarian.

Precautions—This section includes warnings and safety information about storage, handling and any types of cows that should not be given this vaccine due to safety reasons. Pay close attention to this section. If the vaccine is not safe for certain types of cows – like pregnant cows or young calves – that information will be included in this section. Vira Shield is safe for all cows and calves, so there are no such warnings on its label.

PRECAUTIONS: Store out of direct sunlight at 2°-7°C (35°-45°F). DO NOT FREEZE. Use entire contents when first opened. Do not vaccinate within 60 days prior to slaughter. Transient swelling

may occur at the site of injection. Anaphylactic reactions may occur. Symptomatic treatment: Epinephrine. Contains amphotericin B, gentamicin, and thimerosal as preservatives.