

Products

- Use only approved products.
- Follow product directions.
- Do not use outdated products.
- Do not combine vaccines.

Products from Novartis Animal Vaccines, Inc. to Administer Subcutaneously (SubQ)

- Vira Shield® 2, 3, 4, 5 and 2+BRSV
- Fusogard™
- Vib Shield®

A comprehensive herd-health program should be developed in consultation with your veterinarian.

This information is brought to you by your BQA-focused animal vaccine company.



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**HIT THE
ZONE**
*Beef Quality Assurance
Depends on You*



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Cattle are your livelihood, and you want the best for them. That's why you strive to do things right. And doing things right can be extremely rewarding. In addition to taking pride in a job well done, you will improve the reputation and quality of the cattle you market.

The path for doing things right is Beef Quality Assurance (BQA).

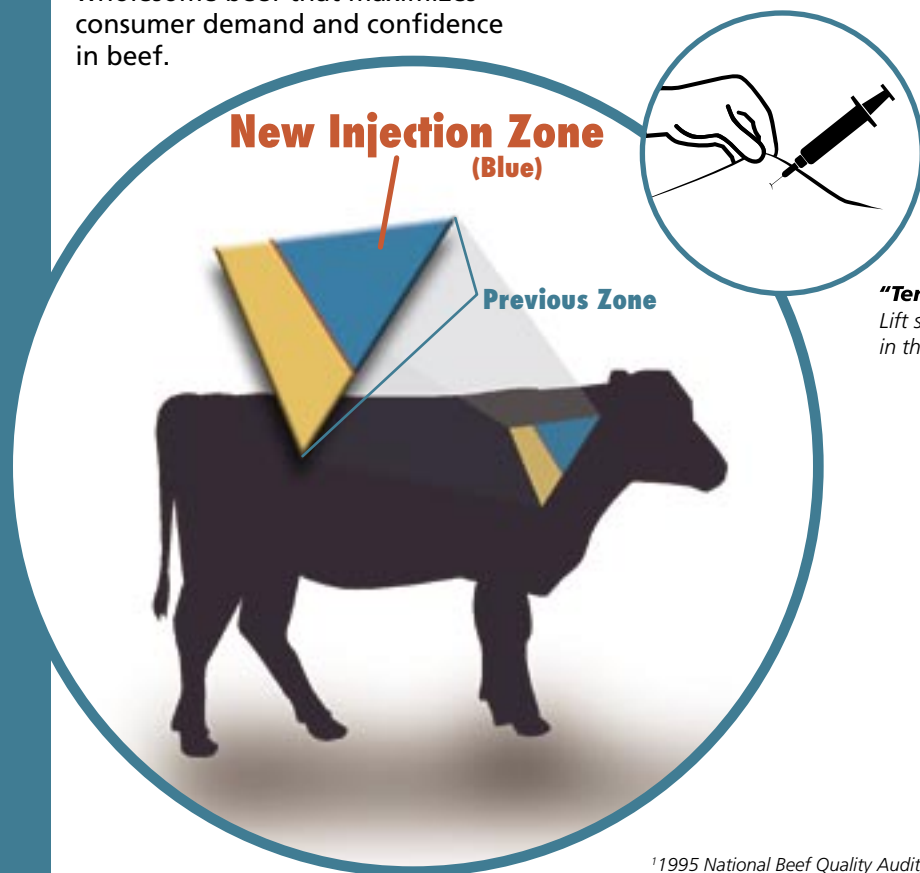
Created by the National Cattlemen's Beef Association, BQA practices enhance carcass quality by preventing residues and carcass defects such as injection site blemishes and bruises. Additionally, by following BQA practices, you provide consumers with safe, wholesome beef that maximizes consumer demand and confidence in beef.

Where to Start

The beef industry's \$47.10¹ per head loss due to management defects can begin to be recovered simply by evaluating and altering management techniques. Many of these techniques are quick and easy to implement while others require slowing down and implementing proven management practices that deliver quality results.

New Injection Site Zone

To lessen injection site defects with today's highly effective vaccines, the injection site zone created in the 1990s has been tightened. This triangular zone, located in the neck, is for all injections: intramuscular (IM) and subcutaneous (SubQ). (See diagram.)



"Tented" technique

Lift skin, inject under the skin in the zone

"Some products must be used IM (intramuscular) because they are not approved for SubQ use. These products have a place in our industry and get the job done. But if you have a choice, go SubQ."

– Dr. Dee Griffin, University of Nebraska

Injection Practices

- Make the most of your vaccine investment. Take the time to inject in the zone.
- Properly and safely restrain animals.
- Clean site of dirt, mud and manure prior to vaccination.
- Keep injection sites at least 3" apart.
- Administer injections only in the neck region – and in the new zone.
- Never inject into the hindquarters.
- When given a choice of SubQ or IM, go SubQ.
- When administering SubQ injections, use the "tented" technique.

Syringes and Needles

- Use clean syringes, cleaning with soap and water only.
- Use a clean, sharp needle.
- Use 18- and 16-gauge needles.
- Use 1" to 1.5" needles for IM and ½" to ¾" needles for SubQ.
- Change needles every 10-15 animals.
- Replace bent, dull, damaged or contaminated needles.
- Use separate syringes for each product; mark syringes.

¹1995 National Beef Quality Audit, National Cattlemen's Beef Association.