Matters of Primary Importance

**The Cow:**
- Manage cows so they calve in body condition score five or greater—good body condition
- Ensure cows receive a well-balanced vitamin and mineral supplementation program

**The Calf:**
- Nursed cow shortly following birth
- Consumed adequate amount of high-quality colostrum
- Has not been treated for any illness
- Has been castrated and dehorned at early age

**Minimize Stress:**
- *Processing:* Gathering, sorting, chute work, etc.
- *Weaning:* Consider fence-line weaning.
- *Water source(s):* Fresh, clean and readily available
- *Ration:* Check with your nutritionist
- *Bunk space:* Adequate space, easily accessible and cleaned
- *Hay:* Fresh, palatable and off the ground
- *Environment:* Minimize dust, windbreaks, shades, etc.

**Suggestion:**
- Consult with your veterinarian for a customized vaccination plan
- Using the same brand of vaccine in both cows and calves may be most beneficial

**Cowherd Immunization:**

*Non-pregnant replacement heifers and non-pregnant herd additions of unknown vaccination status:*
- Initial, viral component vaccination protocol: Two doses of MLV or killed IBR,
- BVDV types I&II, BRSV and PI3 vaccine pre-breeding
- Consult with your veterinarian for timing and a customized plan

*Cow with current vaccination status:*
- One dose of viral component MLV or Killed IBR, BVDV types I&II, BRSV and PI3 vaccine annually
- Consult with your veterinarian for timing and a customized plan
OQBN Health Protocol

Consult your veterinarian and follow all label directions under a veterinarian-client-patient relationship.

Matters of Secondary Importance:

<table>
<thead>
<tr>
<th>Cowherd vaccinations current</th>
<th>Cowherd vaccinations not current or unknown vaccination history</th>
<th>Required by all Calves</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Branding (Age two to three months)</strong></td>
<td><strong>Not a recommended option in cowherd with non-current or an unknown vaccination history.</strong></td>
<td><strong>Mannheimia haemolytica (Pasteurella haemolytica)</strong> &amp; possible addition of Pasteurella multocida</td>
</tr>
<tr>
<td>MLV - IBR, BVDV types I&amp;II, BRSV &amp; PI3</td>
<td></td>
<td><strong>Mannheimia haemolytica (Pasteurella haemolytica)</strong> &amp; possible addition of Pasteurella multocida</td>
</tr>
<tr>
<td><strong>Pre-weaning (two to five weeks)</strong></td>
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<td><strong>Weaning Mannheimia haemolytica (Pasteurella haemolytica)</strong> &amp; possible addition of Pasteurella multocida</td>
</tr>
<tr>
<td>MLV or Killed - IBR, BVDV types I&amp;II, BRSV &amp; PI3</td>
<td>Killed - IBR, BVDV types I&amp;II, BRSV &amp; PI3</td>
<td><strong>Post-weaning (14 to 28 days)</strong></td>
</tr>
<tr>
<td><strong>Weaning</strong></td>
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<td>Clostridial bacterins</td>
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Both MLV and killed vaccines have inherent advantages and disadvantages. Choosing which type of vaccine depends on many factors specific to each herd. Consult your veterinarian for assistance. Always follow vaccine label instructions under a veterinarian-client-patient relationship.

Strictly adhere to BQA guidelines for proper care and handling of vaccines and vaccine administration.

You are encouraged to work closely with your veterinarian and nutritionist. Vaccinations are only one component of a good herd health program.

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