DON’T RISK REPRODUCTIVE FAILURE IN YOUR BULLS!

Trace minerals are critical for sexual development in bulls as well as sperm motility and morphology.

- Variation in dry matter intake, which limits trace mineral intake
- Poor intestinal absorption of oral trace minerals
- Rumen and gut-level antagonists

Your bulls may not be getting the trace minerals they need due to:

- Predicted onset of puberty
- Timing of Breeding Soundness Examination (BSE)
- Approximate 61-day process of sperm cell development and maturation

By injecting MULTIMIN® 90, the trace mineral status of bulls can be elevated to coincide with:

- Variation in dry matter intake, which limits trace mineral intake
- Poor intestinal absorption of oral trace minerals
- Rumen and gut-level antagonists

Your bulls may not be getting the trace minerals they need due to:

- Predicted onset of puberty
- Timing of Breeding Soundness Examination (BSE)
- Approximate 61-day process of sperm cell development and maturation

Keep Out of Reach of Children

MULTIMIN® 90

An injectable aqueous supplemental source of zinc, manganese, selenium, and copper

CAUTION: Federal Law restricts this drug to use by or on the order of a licensed veterinarian.

Active Substances per mL:

- Zinc: 40 mg/mL
- Manganese: 10 mg/mL
- Selenium: 5 mg/mL
- Copper: 15 mg/mL

Other Substances:

- Chlorohexidine 0.2% w/v (as preservative)

Dosage Recommendations:

- Cattle: Up to 1 year: 3 mL per 100 lbs
- Cattle: Over 1 year: 1 mL per 100 lbs

Precaution:

- Selenium and copper are toxic if administered in excess.
- Always follow recommended labeled dose.
- Do not overdose.
- It is recommended that adequate body weight is determined prior to treatment.
- Do not use concurrently with other injectable selenium and copper products.
- Do not use concurrently with selenium or copper feed additives.

Dosage Rate:

- Store between 15°C and 30°C (59°F and 86°F).

Injectable Injection in Middle of neck.

DIRECTIONS:

- This product is only for use in cattle.
- MULTIMIN® 90 is to be given subcutaneously under the skin only.
- It is recommended to administer the product in accordance with Beef Quality Assurance (BQA) guidelines.
- Minimum distance between injection sites for the MULTIMIN® 90 product and other injection sites should be at least 4 inches.
- Inject subcutaneously into the middle of the body of the side neck. Max volume per injection site is 3 mL.

Supplementation Program:

<table>
<thead>
<tr>
<th>ANIMAL GROUP</th>
<th>SUPPLEMENTATION PROGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>BULLS</td>
<td>3 times per year</td>
</tr>
<tr>
<td>STEERS</td>
<td>4 weeks before breeding</td>
</tr>
<tr>
<td></td>
<td>4 weeks before castrating</td>
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<tr>
<td>DAIRY COWS</td>
<td>4 weeks before calving</td>
</tr>
<tr>
<td></td>
<td>4 weeks before insemination at dry-off</td>
</tr>
<tr>
<td>CAIRES</td>
<td>at birth</td>
</tr>
<tr>
<td></td>
<td>at 3 months and/or weaning</td>
</tr>
<tr>
<td>HEIFERS</td>
<td>every 3 months – especially 4 weeks before breeding</td>
</tr>
</tbody>
</table>

Program gives planned dates that can be varied to suit management programs.

Supplemental Minerals:

- Zinc: 40 mg/mL
- Manganese: 10 mg/mL
- Selenium: 5 mg/mL
- Copper: 15 mg/mL

Packaged in 100 mL & 500 mL size

www.multiminusa.com
TRACE MINERALS ARE VITAL TO OVERALL COW AND HEIFER REPRODUCTIVE PERFORMANCE

Prior to breeding, cows will have exhausted their trace mineral reserves through pregnancy, calving, and lactation.

Heifers had their first calf which has depleted their system of nutrients and they are also lactating for the first time, while they are still growing themselves. This age group has been found to be the most difficult to return to estrus and get rebred.

MULTIMIN® 90, being an injectable, rapidly improves trace mineral status of cattle, with no antagonistic interference. Every animal treated is supplemented.

Research indicated the possible benefit of a compressed calving distribution¹:

More calves born 20 days earlier gaining 2.5 lbs/day = Additional, heavier calves at weaning = More revenue + added value of more replacement AI calves

MULTIMIN® 90 IS AN INJECTABLE, FAST-ACTING SOURCE OF TRACE MINERALS

- Zinc (60mg/ml)
- Selenium (5 mg/ml)
- Copper (15 mg/ml)
- Manganese (10 mg/ml)

What your feed company doesn’t tell you:

- Daily oral trace mineral intake is variable and may not meet cattle needs.
- Stressed cattle have decreased appetite resulting in less feed/trace mineral intake.
- There are critical times of increased trace mineral demand, such as right before breeding, that have a significant impact on your operation’s profitability.

A STRATEGIC INJECTION OF MULTIMIN® 90 BEFORE THE BREEDING SEASON HELPS SUPPORT THE REPRODUCTIVE PERFORMANCE OF CATTLE.

WHY IS IT IMPORTANT TO INJECT MULTIMIN® 90 AT BRANDING/FIRST VACCINATION?

- Calves go through a period of fast growth which may result in decreased trace mineral status.
- Milk doesn’t contain sufficient trace minerals to replenish stores.
- Trace minerals help calves fight disease and respond to vaccines.

RESEARCH SHOWED:

- Calves injected with MULTIMIN® 90 at the same time as vaccination had improved vaccine response which may decrease disease transmission among calves. These calves also showed less clinical signs after a disease challenge.

MULTIMIN® 90 at early postnatal life was beneficial to calf health. In this study, the MULTIMIN® 90 treatment reduced the incidence of scours and the combined incidence of pneumonia and ear infection or both.

Calf Care = Welfare

STUDY DATA AVAILABLE UPON REQUEST

www.calfvalue.com