



Trace minerals to support growth, reproduction and immune defence with the energy of vitamin B12 for optimum health and performance.

Product Description

Chelated trace mineral injection for beef and dairy cattle deficient in and/or responsive to copper, manganese, zinc, selenium and/or vitamin B12 supplementation.

Active Constituents:

- 10 g/L Copper as Disodium Copper EDTA
- 6.7 g/L Manganese as Disodium Manganese EDTA
- 26.7 g/L Zinc as Disodium Zinc EDTA
- 3.3 g/L Selenium as Sodium Selenite
- 1.4 g/L Cyanocobalamin

Product Benefits

✓ GROWTH

Marks-Min provides elements that support growth by aiding bone, joint and muscle development and function (Copper (Cu), Manganese (Mn), Zinc (Zn), Selenium (Se)) and energy metabolism (vitamin B12).

✓ REPRODUCTION

Marks-Min provides elements that support reproduction by aiding the development of male and female reproductive systems, the process of fertilization and also the maintenance of pregnancy (Cu, Mn, Zn, Se).

✓ IMMUNE DEFENCE

Marks-Min provides elements that support immune defence by aiding in the function of the immune system and white blood cells that help resist establishment of infection.

✓ ENERGY

Vitamin B12 plays a key role for the production of energy in livestock. Energy is required for all body processes and it is the backbone of all production.

Indications

Marks-Min Injectable Trace Mineral With Vitamin B12 for Cattle contains copper, manganese, zinc, selenium and vitamin B12, which are required for optimal health, production and fertility.

Sub-optimal trace mineral and vitamin B12 status at calving, mating and drying off has been shown to negatively impact production, reproduction and health.

Using an injectable supplement can improve trace mineral and vitamin B12 status at these critical times, promoting a healthy immune system, which is important in resisting disease, and has a positive impact on reproduction.

Copper has a role in:

- Iron metabolism
- Bone development
- Maintenance of connective tissue
- Blood formation
- Disease resistance
- Reproduction/fertility

Manganese has a role in:

- Protein metabolism
- Disease resistance
- Bone, cartilage and connective tissue development
- Reproduction/fertility

Zinc has a role in:

- Cell division
- Skin and hair and hoof growth
- Bone and cartilage development
- Disease resistance
- Reproduction/fertility

Selenium has a role in:

- Disease resistance
- Muscle function
- Reproduction/fertility

Vitamin B12 has a role in:

- Energy metabolism
- DNA synthesis
- Red blood cell production
- Nervous system function
- Reproduction/fertility



Marks-Min[®]

Injectable Trace Mineral with Vitamin B12 for Cattle



Dosage and Administration*

- Administer by subcutaneous injection (under the skin)
- Following withdrawal of the first dose, product can be used for 9 months from opening
- For all types of cattle

Dairy and Beef Cattle:

Animal Age	Injection dose rate
Up to 1 year	1.5 mL/50 kg
From 1–2 years	1.5 mL/75 kg
Over 2 years	1.5 mL/100 kg

Check the accuracy of the applicator before and during treatment.

Withholding Periods

MEAT: Zero (0) days.

MILK: Zero (0) days.

EXPORT SLAUGHTER INTERVAL (ESI): Zero (0) days.

Storage

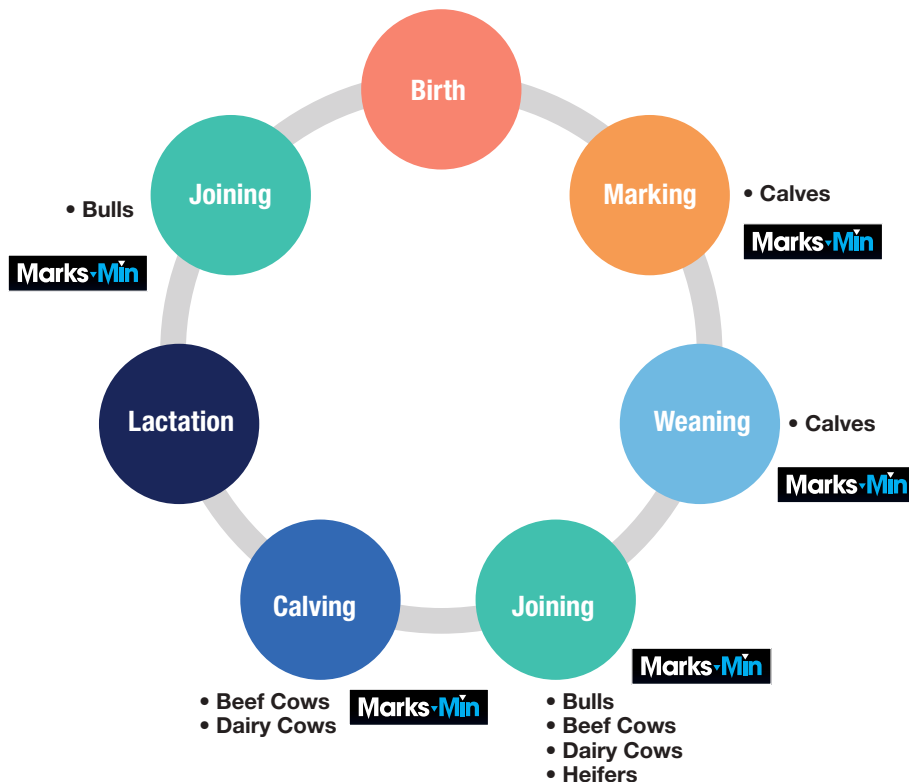
Store below 30°C (Room temperature) in original container, in a dry place. Protect from light.

Pack sizes

500 mL and 1 L.



TREATMENT PLAN



Bulls

- 3 months before joining
- At joining

Beef Cows

- 4 weeks before mating
- 4 weeks before calving

Dairy Cows

- 4 weeks before calving
- 4 weeks before mating or insemination
- 4 weeks before drying off

Calves

- At marking
- At weaning

Heifers

- 4 weeks before mating
- Every 3 months

*See product label for full claim details and directions for use. Boehringer Ingelheim Animal Health Australia Pty. Ltd., Level 1, 78 Waterloo Road, North Ryde NSW 2113 Australia. ABN 53 071 187 285. *Marks-Min is a registered trademark of the Boehringer Ingelheim Group. AU-BOV-0008-2020

