

**Bigger.  
Better.  
Stronger.**



Zn Mn Cu Se + B12

A multi-mineral injection for optimum herd health and performance.

## INTRODUCING



### InjectaMin and InjectaMax

Trace mineral injection for cattle and deer\* that contains copper, manganese, zinc and selenium, with or without vitamin B12. These minerals are vital for optimal production, fertility and health of cattle and deer\*.

\*Use in Deer is **InjectaMin** only

#### FEATURES AND BENEFITS

- Convenient and rapidly absorbed injection (containing copper, manganese, zinc and selenium, with or without vitamin B12) in a safe, chelated formulation
- Subcutaneous injection
- No withholding periods
- Convenient and optimal dose rates

#### DOSAGE RECOMMENDATIONS

<b>Calves</b>	Up to 1 year 1mL per 50kg
<b>Cattle</b>	1-2 years 1mL per 75kg
<b>Cattle</b>	Over 2 years 1mL per 100kg
<b>Deer*</b>	1mL per 100kg

**InjectaMin** can be used in cattle and deer to provide the important four trace minerals.

**InjectaMax** can only be used in cattle to provide the addition of B12 to the important four trace minerals.

## PROVEN EFFECTS OF TRACE MINERALS

#### MAXIMISE GROWTH

Copper, manganese, zinc and selenium aid bone growth, joint and muscle development and function. B12 enhances energy metabolism.

#### ENHANCED IMMUNITY

Trace minerals support the functioning of the immune system. Mineral deficiency in animals should be prevented to promote optimal functioning of the immune system so the likelihood of disease is minimised.

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#### ENERGY

Vitamin B12 in **InjectaMax** plays a key role in the production of energy in ruminants. Energy is required for production and body processes.

#### IMPROVED REPRODUCTION

Trace minerals aid the development of male and female reproductive systems, assist with the maintenance of pregnancy and provide support to the success of fertilisation.

# DOSING RECOMMENDATION



CALVES

## AT BIRTH

Administer to calves on Day 1 and weaning to enhance immunity to improve resistance to diseases such as scours and navel infections.

## PRE-WEANING

Administer to calves at, or within the 4 weeks, prior to weaning to help reduce the effects of conditions caused by stress, dietary changes and transport.



HEIFERS & ADULT CATTLE

## PRE-CALVING

Inject heifers and adult cattle 3-4 weeks prior to calving to boost/support immunity to reduce susceptibility to infection and its effects.

## PRE-MATING

Inject heifers and adult cattle 3-4 weeks prior to mating to improve calving % and reduce empty rates.

## ADDITIONAL DOSES

Every 2 months in wet conditions.



BEEF CATTLE

## CALVES

Inject calves at marking or weaning to help boost/support immunity to improve resistance to disease and to maximise productivity.

## PRE-MATING

Inject heifers and adult cattle 4 weeks prior to mating to help improve calving spread and reduce empty rates.



BULLS

Inject bulls 12 weeks prior to joining the herd to improve semen quantity and quality.



DEER\*

## \*InjectaMin Only

Inject stags at button drop, hinds 4 weeks prior to mating and fawns at or prior to weaning, to improve reproduction and productivity, and to enhance immunity. Not recommended more frequently than once every 4 months.

For more specific information or to develop a customised program, speak to your vet or animal health advisor.

## TRACE MINERALS AND THEIR ROLE IN FARMING

The importance of trace minerals and their effects on livestock health are well known in New Zealand. Consequently, many farmers now routinely use trace mineral products in a well-managed programme that provides many obvious benefits such as increased productivity and improved stock health.

## WHY DO WE NEED THEM?

Trace minerals are essential to normal body function and supplementation is critical at times of high demand, such as calving, mating and drying off. Trace minerals have various roles that affect multiple body systems, which is why supplementation has proven wide ranging effects on immunity, growth, reproductive performance and overall animal health.

## WHEN DO WE NEED THEM?

High demand periods can be times of animal stress and often reduced feed intake. Calving, fawning (**InjectaMin** only), mating, weaning, transport, or early life are all examples of periods where the demand for trace minerals often exceeds the levels of these nutrients found in the diet and needed by the animal at these critical times. When stock become mineral deficient, this can potentially cause short term reductions in reproductive performance, growth rate and lead to higher levels of disease. Targeting these high demand periods with injectable trace minerals will help to reduce these negative effects.

Key trace minerals such as those included in **InjectaMin** (manganese, zinc, copper and selenium) and **InjectaMax** (manganese, zinc, copper and selenium, plus B<sub>12</sub>) help to supplement the animal and produce the best response when administered BEFORE any high demand period. This injectable product safely and quickly boosts the levels of these trace minerals, resulting in peak stock performance.

## OTHER SUPPLEMENTATION

Not to be used concurrently with any other form of copper or selenium supplementation, or administered at the same time as any other treatment e.g. drenching, vaccination. Consult your veterinarian for further advice.

By using **InjectaMin** and **InjectaMax**, you can be confident that you have provided your stock with a supplementary source of trace minerals that is rapidly available to the animal in a form that can be put to use to provide all the benefits offered by these products.



Horizon Agresources NZ

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