

# ZINCOSSEL

## Zincosel Cattle Bolus - Data Sheet

A cylindrical blue glass continual release intraruminal device approximately 82mm x 24mm and weighing ~100g.

Each bolus contains the following active substances:

15.2% w/w zinc    0.5% w/w cobalt    0.15% w/w selenium as Na<sub>2</sub>SeO<sub>4</sub>

### Dosage and administration

Ruminating cattle over two months of age and weighing over 100 kg body weight: 2 boluses

Administer orally using a balling-gun which delivers the bolus directly into the top of the gullet. Great care should be taken not to cause any injury by rough handling or by placing the gun too far inside the throat of the animal. Ensure that each animal has swallowed two boluses by holding the mouth closed and observing the animal for a short time. Gentle massage of the throat may facilitate swallowing of the boluses. To minimise the risk of regurgitation, avoid rough handling of animals. Do not administer the recommended dosage to animals more frequently than once every 4.5 months to animals receiving concentrates or every 6 months to cattle at pasture.

Dose ideally just before turnout and at housing to give year round protection. Dose dairy cows every 4 months.

Boluses are sensitive to sudden temperature changes such as may occur when very cold boluses are swallowed by an animal. It is important that the bolus is at 15 – 20°C (room temperature) prior to administration. In the event of suspected overdose, see carton.

### Contra-indications, warnings

**Protection of Operators:** To minimise the risk of contact allergy, wear gloves when handling this product

**Protection of Consumers:** Withdrawal Period - Meat and offal: Zero days; Milk: Zero days

#### Protection of Livestock, Wildlife and Others:

Do not administer to non-ruminating calves or to animals weighing less than 100kg body weight.

Do not administer to sheep. Do not administer any aids to dissolution of the bolus

Selenium should not be administered by injection, within 6 months after administration of the product to cattle at pasture or within 4.5 months in cattle where the diet is supplemented with concentrates unless subjected to a risk/benefit analysis performed by a responsible veterinarian.

In cases where the trace element status of a herd is uncertain or where profound trace element deficiencies exist, veterinary advice should be sought before dosing animals with ZINCOSSEL.

**Protection of the Environment:** Dispose of empty packaging and any unused boluses in the farm refuse.

## Pharmaceutical Precautions

Store in a dry place. Do not freeze. Protect from frost. Once the package has been opened, store unused boluses in the plastic tray in the original packaging in an airtight container and use within 6 months. Any discoloured boluses should be discarded.

## Manufactured by

Telsol Limited, 23/24 Colomendy Industrial Estate, Denbigh, Denbighshire, LL16 5TA Tel: 01745 814678

Package Quantity 4 boluses (2 doses)

Bolus Weight 100 +/- 5gm

## For orders, general enquiries and technical advice, contact:

Telsol Ltd

PO Box HH7

LEEDS LS8 2YE

Telephone: 0113 226 0666

Fax: 0113 226 0999

## Further Information

**Cobalt** is an integral part in Vitamin B12 (cyanocobalamin), which is important for several metabolic functions. This vitamin is synthesised by micro-organisms in the rumen and is absorbed from there. Vitamin B12 acts as a co-enzyme in several metabolic pathways and in ruminants its main role is in the metabolism of propionate, which is required for synthesis of glucose via succinate in the liver.

**Selenium** is an integral part in the glutathione peroxidase (GSHPx) enzymes, which are involved in the protection from oxidant stress. These enzymes have a synergistic role with Vitamin E and other antioxidants in removing toxic peroxides from tissue and preventing oxidative damage to membranes. Selenium is required in the thyroid gland for the conversion of T4 to T3, the active thyroxine molecule, as selenium is required in the iodothyronine deiodinase enzymes.

