



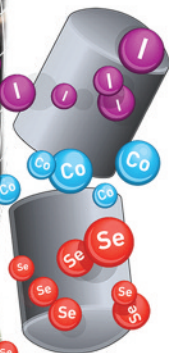
WORLD LEADERS
IN BOLUS
TECHNOLOGY



24·7 SMARTRACE

ADULT AND GROWING CATTLE

24·7 SMARTRACE Boluses for ADULT and GROWING Cattle



I

IODINE

Co

COBALT

Se

SELENIUM

For more information please contact Steve Atfield at
Vetpak on e: steve.atfield@vetpak.co.nz | m: 0272 428 159

www.agrimin.co.nz



The importance of trace elements for your cattle

SELENIUM

Selenium has an anti-oxidant function crucial to controlling oxidant stress at critical stages of development. Selenium plays an important role in promoting growth, fertility and a healthy immune system.

IODINE

Iodine is incorporated into the hormones produced by the thyroid gland. A healthy functioning thyroid maintains metabolism therefore promoting efficient weight gain. The feeding of roots crops or brassicas can inhibit the absorption of iodine into the body.

COBALT

Rumen microorganisms need a constant supply of cobalt in order to produce vitamin B12, which is essential in the breaking down of feed and a more efficient conversion to liveweight. Cobalt plays an important role in ensuring optimum appetite, growth and vigour.

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Introducing Agrimin 24·7 Smartrace Cattle boluses?

Sustained release trace element intraruminal bolus for the treatment of clinical and subclinical trace element deficiencies of iodine, selenium and cobalt that can occur during critical stages of the production or breeding cycle in adult and growing cattle.

Agrimin 24·7 Smartrace technology is specifically designed for New Zealand conditions.

It is available in the following formulations:

24·7 Smartrace Bolus Range

Contents	Growing Cattle 200 – 400kg (130g bolus)	Adult Cattle over 400kg (160g bolus)
Selenium (Sodium Selenate)	179 mg	220 mg
Iodine (Calcium Iodate)	3363 mg	4139 mg
Cobalt (Cobalt Carbonate)	394 mg	485 mg

Directions for use:

- Dose rate. Give one bolus to each animal using an approved Agrimin bolus applicator.
- Active life of up to 6 months with the greatest release over the first 3-4 months following administration.
- There is no bolus residue.
- Boluses are available in packs of 10 boluses.



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How Agrimin 24·7 Smartrace works

One Agrimin 24·7 Smartrace bolus gives each cow up to 6 months of highly cost-effective trace element support.

1

24·7 Smartrace bolus is given to the cow with the specially designed applicator and moves down the animal's oesophagus.

2

24·7 Smartrace bolus moves down to the rumen and lodges safely in the cow's reticulum. The wrapper dissolves and the bolus breaks into two parts.

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3

Unique 'physical erosion' technology produces measured and consistent delivery of key trace elements. 24*7 Smartrace releases the required amount of selenium, iodine and cobalt at all times.



4

Trace elements flow smoothly from the cow's gut to the bloodstream. In breeding cows correcting and restoring the trace element levels in the last trimester of pregnancy. In growing heifers ensuring adequate trace element levels whilst grazing.

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How does 24·7 Smartrace cattle work?

Single bolus application

2 boluses joined by a dissolvable wrapper

Three key trace elements evenly distributed throughout the bolus

Active life of up to 6 months with the greatest release over the first 3-4 months following administration

100% retention by the animals

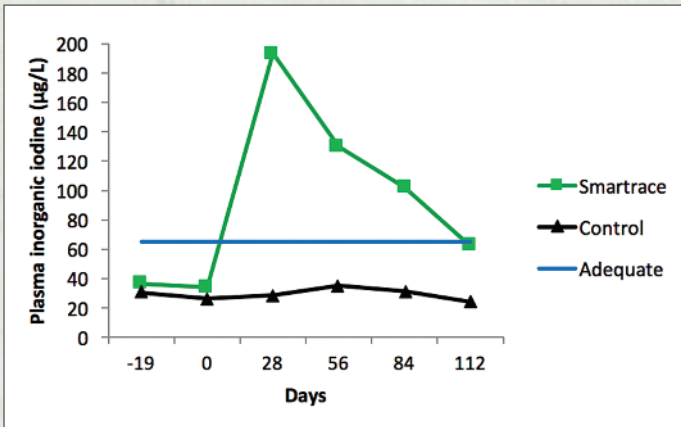
Trace elements released by erosion

No bolus residue

Efficacy Data

Efficacy Study – Iodine

The following graph shows cattle on an iodine deficient site in North Island, New Zealand. One group received the Smartrace bolus, the other was an untreated control. The Smartrace bolus corrected the iodine levels for at least 112 days.

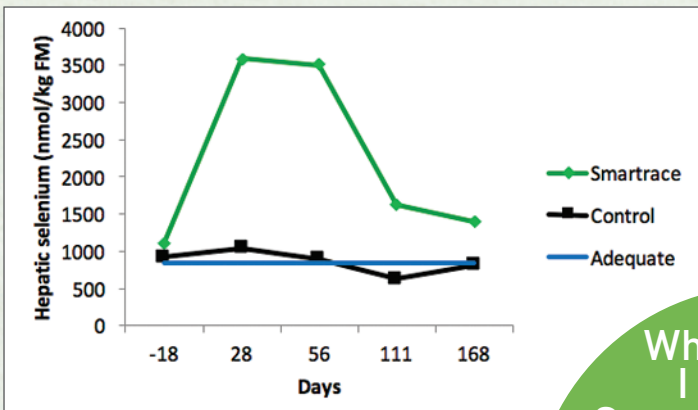
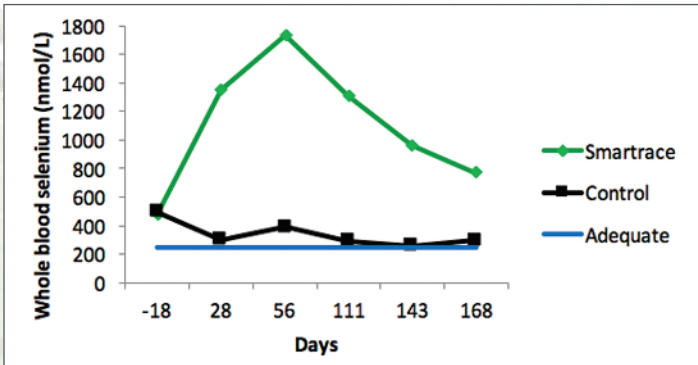


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Efficacy Study – Selenium

The following also shows the changes in whole blood and hepatic selenium levels in cattle grazing pastures with a marginal selenium status. One group received the Smartrace bolus the other acted as an untreated control. The boluses maintained normal selenium levels in the normal range for at least 160 days.



When should I use 24·7 Smartrace Cattle?

Adult Cattle

- Winter period*
- Drying off – final trimester*
- Brassica fed animals*

Growing Cattle

- Animals on hill country/marginal land*
- Animals reared off farm*
- In calf heifers*

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Agrimin Limited is a world leader in specialist trace element boluses. With over 30 years' experience, our boluses have been researched and then tested under practical farming conditions within New Zealand.

Designed to:

- Deliver trace element solutions for New Zealand farmers
- Give a guaranteed supply of selenium, iodine and cobalt in one dose
- Provide sustained release over an extended period
- To meet the needs of both growing and adult cattle
- Completely erode leaving no bolus residue

Other products in Agrimin's bolus range include our ALL-TRACE boluses, Rumbul Magnesium bullets and Copper boluses.

All are available in New Zealand through your local Veterinary Practice.



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Registered Office: Agrimin Ltd.



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