



Pioneering **solutions** in animal health

## Introducing our product range

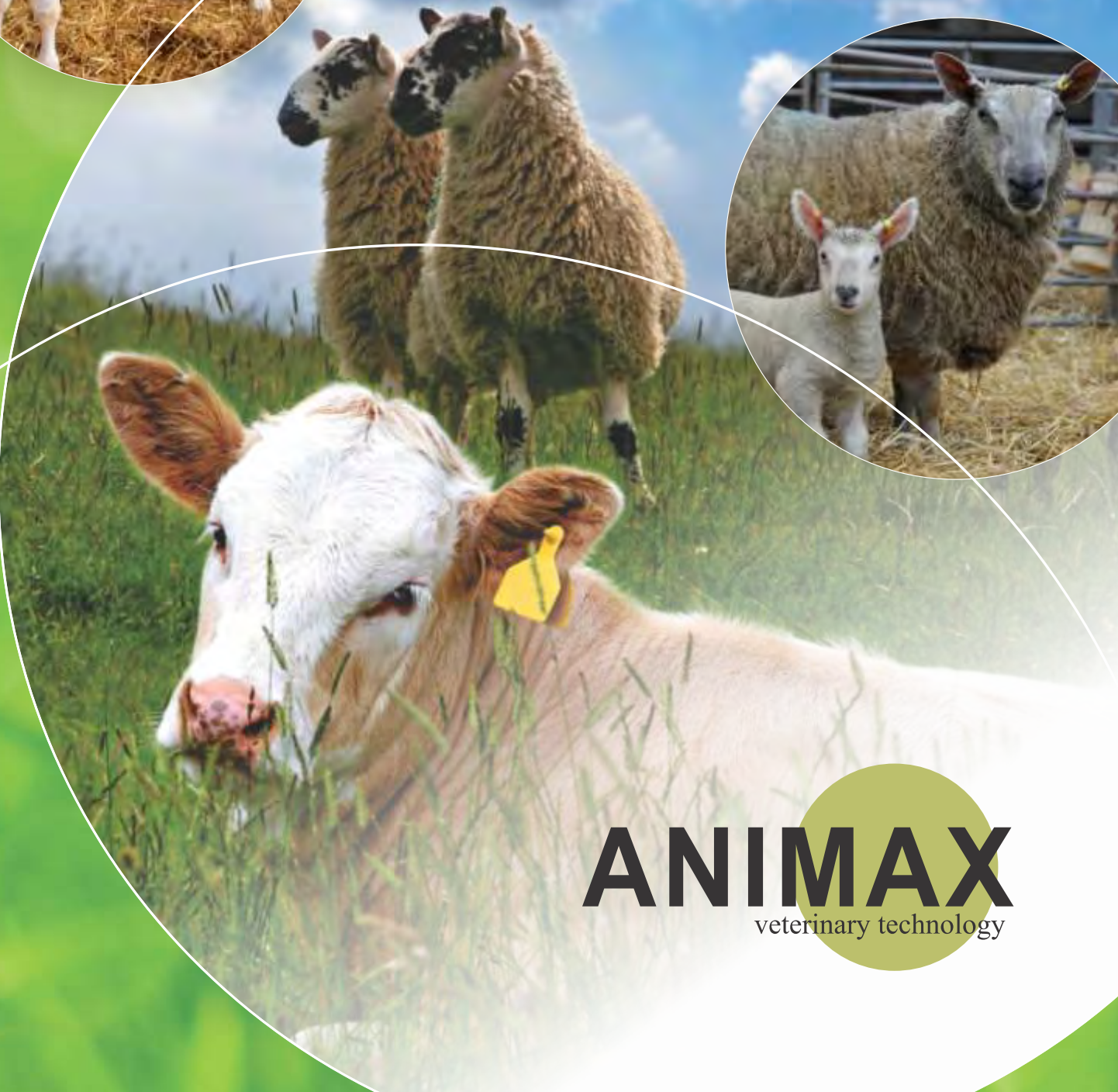
tracesure<sup>®</sup>

copasure<sup>®</sup> & copinox<sup>®</sup>

easycal<sup>®</sup>

pardevit<sup>®</sup>

paracide<sup>®</sup> 62



**ANIMAX**  
veterinary technology





**Founded in 1982, Animax is the market leader in trace element supplementation for livestock.**

Based in Suffolk, the company is best known for its **tracesure®** range.

Two decades after they were first developed, the **tracesure®** range of trace element boluses remain the only boluses on the market that utilise leaching technology to deliver a daily dose of trace elements to livestock.



This technology, developed by Les Porter BVMS FRCVS, experienced veterinarian and **Animax** founder, is fundamental to successful trace element supplementation. It is proven technology that allows cattle and sheep to get the 4 key trace elements essential for productivity and performance at known and optimum levels over a period of approximately 6 months (depending on product, species and conditions).



**We operate to current Good Manufacturing Practice (cGMP) and are accredited by the Feed Materials Assurance Scheme (FEMAS).**

With farmers' profits being put under ever increasing pressure, technological and scientific advancements that can increase yields and production, aid fertility and enhance animal health are becoming ever more crucial for farmers.



**Animax** is a pioneering British company specialising in the research, development and manufacture of highly effective animal health products. In addition to our well-known **tracesure**<sup>®</sup> range of leaching boluses, we produce other leading brands such as **copasure**<sup>®</sup>, **copinox**<sup>®</sup> and **easycal**<sup>®</sup> as well as a whole range of other popular and well respected animal health products.

**Animax** – our mission is to continue to pioneer solutions for the animal health industry and support farmers with world class product development. We will do this by combining our enthusiasm for scientific innovation with our passion for animal welfare and by researching and investing in ever more effective strategies for supplementing animal health.

## Trace elements: a guide

### Cobalt

Cobalt is necessary in ruminants for the synthesis of vitamin B<sub>12</sub> which is essential for energy metabolism and the production of red blood cells. Deficiency is common in livestock, particularly in sheep, but cattle are also susceptible. Low intake leads to depressed appetite and ill-thrift and may also reduce resistance to parasitic and microbial infections.

### Copper

Copper deficiency, often difficult to spot as initially animals are able to draw on reserves of copper in their liver, is a problem that can be economically threatening. Deficiency results in depressed immunity and poor reproductive health and, if left untreated, it can lead to lameness, anaemia, weight loss, scouring and death.

### Iodine

Iodine regulates metabolism and the rate at which the body converts simple compounds from food into energy and the building blocks for cells. Iodine deficiency is common and results in reduced fertility, poor weight gain, general ill-thrift, late abortion, weak or stillborn calves, reduced milk yield and an increase in susceptibility to infectious diseases.

### Selenium

Selenium is incorporated into enzymes. Glutathione peroxidase (GSHPx) is just one such enzyme and is involved in protecting cells against damage from free radicals. Selenium deficiency results in retained afterbirths, poor fertility, increased mastitis, along with white muscle disease in calves.

#### **Important note:**

Before starting any supplementation program seek advice, as some trace elements, especially copper, are toxic if too much is present in the body.



## Our products



“ We were using bagged minerals but they hadn't improved the herd's health. Since the cows have been on **tracesure**® Cu/I they have had easier calvings and less retained cleansings. The general health and strength of their calves has been far better too. ”

*Martin Burnell, Devon*



## tracesure®

The tracesure® range of intra-ruminal boluses release the 4 essential trace elements, using a unique leaching method, in known and optimum levels. tracesure® boluses are easily given to ruminant animals using a specially designed applicator. The bolus enters the animal's rumen/reticulum and lodges there. Trace elements leach out from the bolus to give the optimum daily level for approximately 6 months (depending on species and conditions). Spent boluses eventually become enlarged and are shed by being regurgitated or excreted.

“ We need to get as much out of forage as possible and, after reading about tracesure® Cu/I it all stacked up right for me. The aim, now we are using the tracesure® Cu/I bolus, is to reduce minerals and, as far as youngstock and dry cows go, to eliminate them completely. I have already reduced purchased feed inputs – and I plan to reduce these further. We also bolused all the calves before they went to grass. It hasn't been the best summer – July in Scotland was terrible – and yet the youngstock have done really, really well. We have now started calving the heifers that have been bolused and they are coming in nice, we are very pleased with them.

*Robert Hunter, President of Holstein Scotland South, Lanarkshire*

“ The ease of making sure that every cow was covered was a major factor. We decided to give the boluses a go and we haven't looked back.

We noticed that we had very few retained cleansings. The calves got up and went away really well and as we moved into bulling the cows were coming into heat really well. The bolus has been fantastic, we have certainly had less vet calls for post-calving and fertility problems. The boluses are working for us and we will carry on using them.

*David Johnson, Salisbury*

“ We had a 100% success rate implanting frozen embryos after bolusing with tracesure® Cu/I. I had been using a balancing mineral, but wasn't convinced that every animal was getting the trace elements it needed. I discovered that the herd was short of selenium and copper. Before bolusing we had one or two cows that were slower calving but that's not a problem anymore. They seem to calve before we get there. I am well sold on boluses. We have seen a massive benefit and I can't speak any more highly of them.

*Michael Barlow, Pedigree Simmental breeder, Lancashire*

# Why choose tracesure® for your livestock?

The tracesure® range of products has been developed, tested and is manufactured in the UK. We are committed to only the highest standards of research, manufacture and product quality. We operate to current Good Manufacturing Practice (cGMP) and are accredited by the Feed Materials Assurance Scheme (FEMAS). We are confident that tracesure® is the best method available to farmers and vets for the supplementation of trace elements.

## Comparison: tracesure® leaching boluses **versus** other application methods



tracesure®  
leaching bolus



Bagged minerals,  
drenches or licks

- Trace elements are deposited, in bolus form, by a specially designed applicator directly into the animal's rumen and are absorbed from the animal's intestines.
- Properly administered, the bolus application process is painless and labour saving.
- The bolus provides known and optimum supplementation of the 4 essential trace elements over approximately 6 months\*.
- Spent boluses are shed naturally.
- The superior performance and productivity of the boluses has been shown to deliver enhanced profitability.
- No risk of contamination from the saliva, urine or faeces of wildlife.

- Bagged minerals are added to feed, drenches are administered to the animal and livestock are given free access to licks.
- Generic versions are economical but not always effective.
- It is impossible to monitor/control the intake of individual animals.
- Release rates cannot be regulated with these methods so, by necessity, they have to contain lower levels of the trace elements, especially copper and selenium, to avoid accidental poisoning of greedier animals.
- Drenches provide a quick 'hit' but have no long lasting action.

\* Supplement lifespan depends on product, species and conditions.

## Our unique tracesure® leaching boluses **outperform any other bolus or application method.**

tracesure® leaching boluses are the **ONLY** bolus products that:

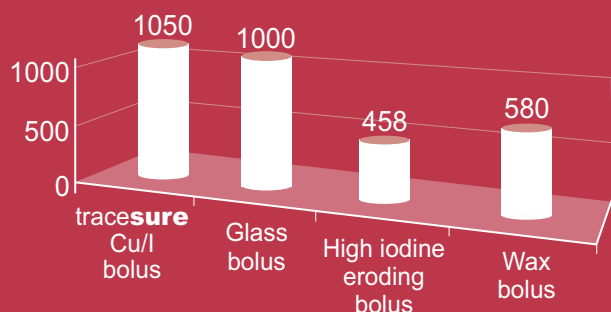
- Combine, or separate, trace element components into the best combinations for maximum efficacy.
- Regulate the release of the trace elements so that optimum supplementation can be achieved. Extra applications are safe for larger cattle.



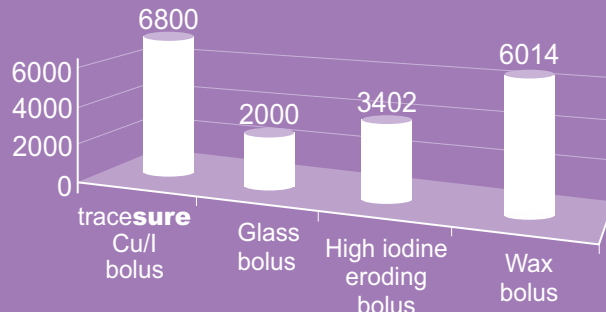
## tracesure® Cu/I **versus** other bolus types

Based on the content for the supplementation of a 550-750 kg animal

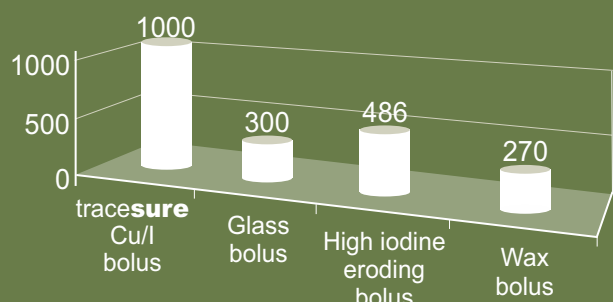
### Cobalt content (mg)



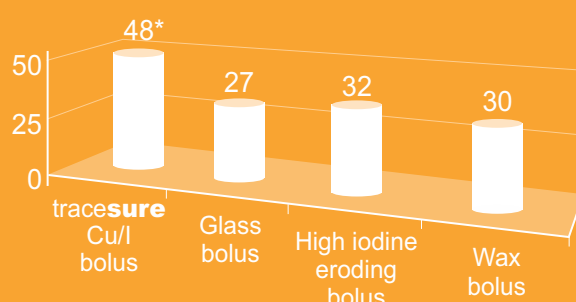
### Iodine content (mg)



### Selenium content (mg)



### Copper content (g)



\*60g Copper oxide

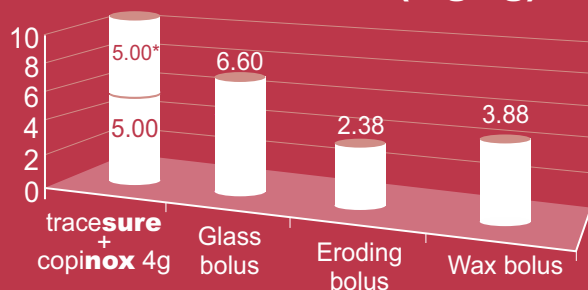
Sample sheep product



## tracesure® Traffic Lights for Sheep **versus** other bolus types

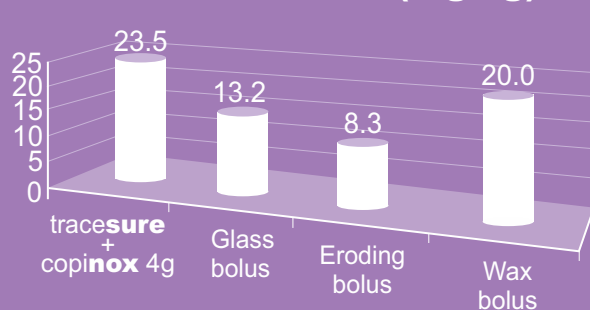
Based on the dose per kg of sheep / mg/kg\*

### Cobalt content (mg/kg)

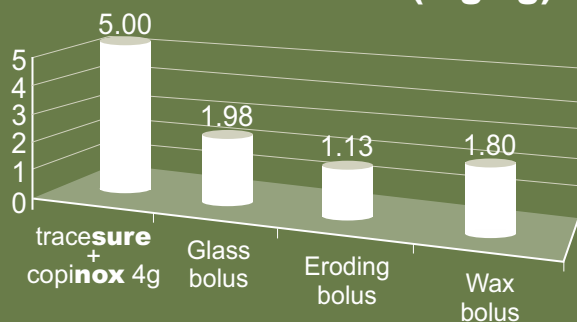


\* Unlike other products double bolusing for cobalt in cases of known deficiency is possible.

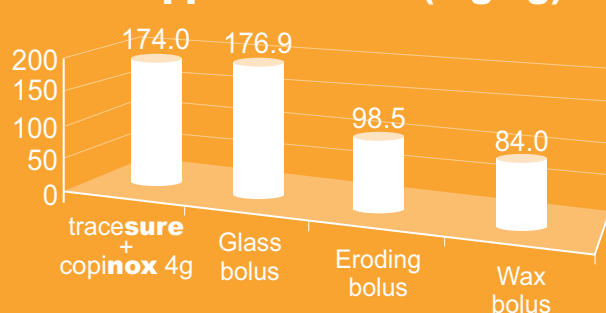
### Iodine content (mg/kg)



### Selenium content (mg/kg)



### Copper content (mg/kg)



\* Calculated based on minimum supplementation that a sheep may be bolused at.



## tracesure<sup>®</sup> leaching boluses: How they work

1

The bolus is inserted using a specially designed applicator.

3

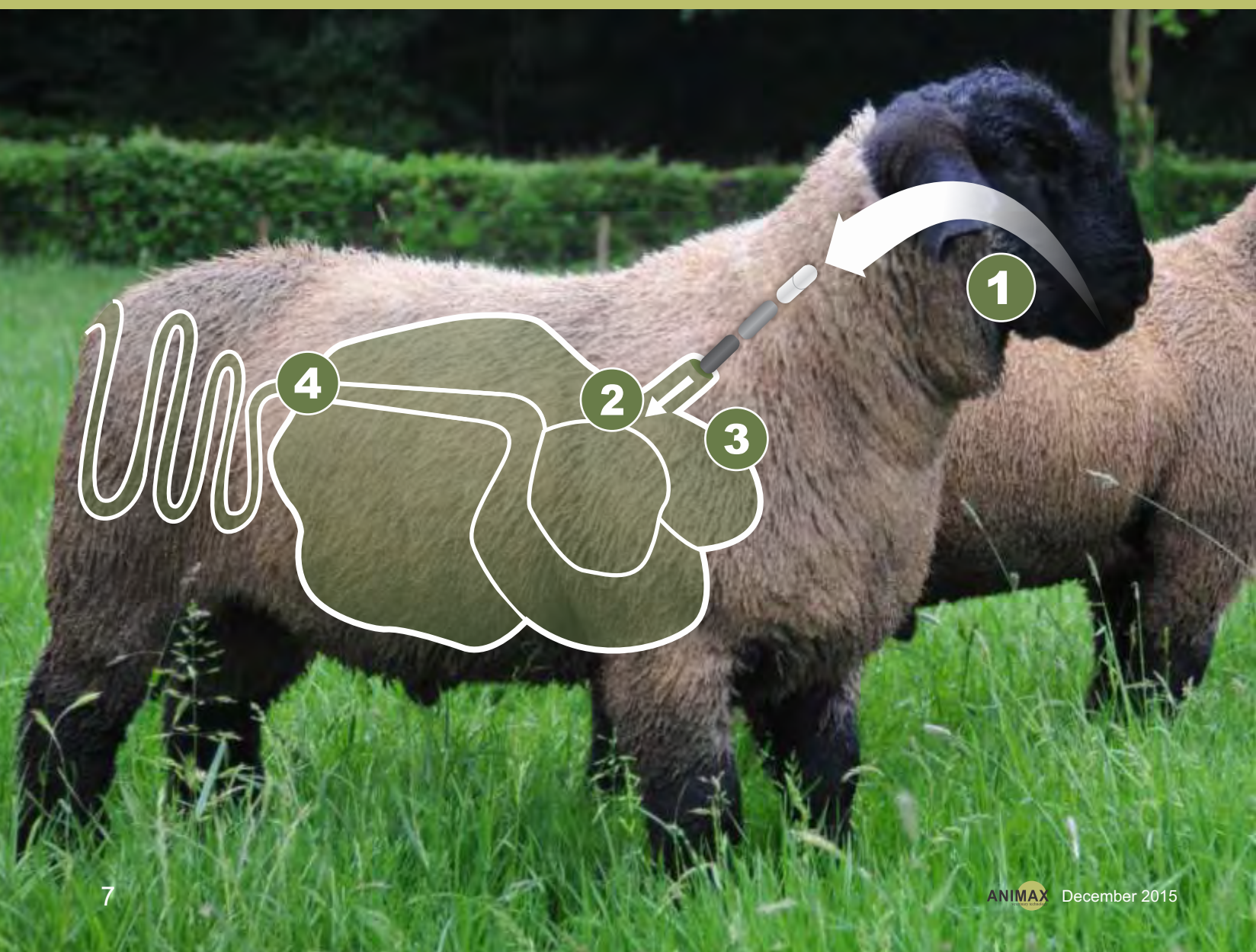
Trace elements start to leach out from the bolus to give the optimum daily supplementation for approximately 6 months, depending on species and conditions.

2

The bolus enters the animal's rumen/reticulum and lodges there.

4

Spent boluses eventually become enlarged and are shed by being regurgitated or excreted, usually after about 12 months.





# Technical notes: tracesure®

tracesure® is a range of intra-ruminal boluses for cattle, calves, sheep, lambs, deer and goats. tracesure® provides slow release supplementation of the 4 trace elements that are essential for optimum livestock health, productivity and performance. When dietary intake of the trace elements is low, or where utilisation of the trace elements is depressed by dietary antagonists, the health and productivity of the animals may be enhanced by supplementation of these elements.

## How tracesure® works

Trace elements are released from the bolus by leaching, providing dietary supplementation. Spent boluses become enlarged and fragile. They are eventually shed by being regurgitated or excreted.

## Trace element deficiency

Deficient stock may suffer from a wide variety of issues depending on which trace element(s) they are deficient in. Typical examples of the kinds of problems that can result from uncorrected deficiencies are:

- Depressed appetite/poor weight gain.
- General ill-thrift.
- Reduced milk yield.
- Susceptibility to infectious disease.
- Lameness and anaemia.
- Weight loss.
- Scouring animals.
- Reduced fertility/poor reproductive health.
- Late abortion or weak/stillborn calves.
- White muscle disease.
- Death.

## Pasture analysis

Pasture analysis for trace element content is useful and laboratories undertaking this work can provide advice on the need for supplementation. Pasture can vary greatly in its trace element content. Contamination by soil can

substantially affect the trace element content and availability. Trace element levels can vary seasonally. Routine pasture analysis does not detect goitrogens, which are commonly found in clover and brassicas (plants of the cabbage family) and which can reduce the effectiveness of iodine in maintaining thyroid function.

## Blood sampling

An animal's iodine and selenium status may be assessed by blood sampling. Iodine status should be assessed by Plasma Inorganic Iodine (PII) and selenium by glutathione peroxidase (GSHPx) assay. The T4 (thyroxine) test does not always give a meaningful value for iodine intake.

## Precautions

- Do not use a trace element supplement, especially a supplement containing copper, unless a trace element deficiency is known to exist or known to be a risk - seek advice.
- Do not bolus pre-ruminant animals.
- No other form of trace element supplement should be given immediately prior to, or for 6 months after, administration of any tracesure® product.
- Caution is advised, and veterinary advice should be sought, before

supplementing housed sheep and breeds known to be susceptible to copper poisoning.

- For animal use only.
- Keep out of the sight and reach of children.
- Do not exceed the stated supplementation levels.

## Administration

Place the bolus at the back of the mouth, using a suitable **Animax** applicator. To avoid injury to the animal, the applicator should be used carefully and without force. Normal swallowing movements should allow the bolus applicator to be passed easily into the back of the mouth, the bolus may then be ejected. Always check that the animal swallows the bolus.

## Supplementation directions

Supplementation is dictated by animal weight. See product pages for application guidelines.

## Storage

tracesure® should be stored under cool dry conditions in the original packaging.

## Legal category

tracesure® is a complementary mineral feed (feed for Particular Nutritional Purposes) for livestock.

## Trace element contents (per product/application):



### Cattle products

tracesure® Cu/I	
Copper oxide	30 g
Cobalt	525 mg
Iodine	3400 mg
Selenium	500 mg

tracesure® I	
Copper oxide	-
Cobalt	500 mg
Iodine	3400 mg
Selenium	500 mg



### Calf products

tracesure® Cu/I Calf	
Copper oxide	12.5 g
Cobalt	500 mg
Iodine	1700 mg
Selenium	250 mg

tracesure® I Calf	
Copper oxide	-
Cobalt	500 mg
Iodine	1700 mg
Selenium	250 mg



### Sheep products

tracesure® Co	
Copper oxide	-
Cobalt	100 mg
Iodine	-
Selenium	-

tracesure® Se/I	
Copper oxide	-
Cobalt	-
Iodine	470 mg
Selenium	100 mg



### Lamb products

tracesure® Lamb Co	
Copper oxide	-
Cobalt	100 mg
Iodine	-
Selenium	-

tracesure® Lamb Finisher	
Copper oxide	-
Cobalt	100 mg
Iodine	215 mg
Selenium	50 mg

**Note:** For the contents of multi-product 'combi packs' see the content listing of the individual component products.

## Animax copper capsules: How they work

1

The capsule is inserted using a specially designed applicator.

3

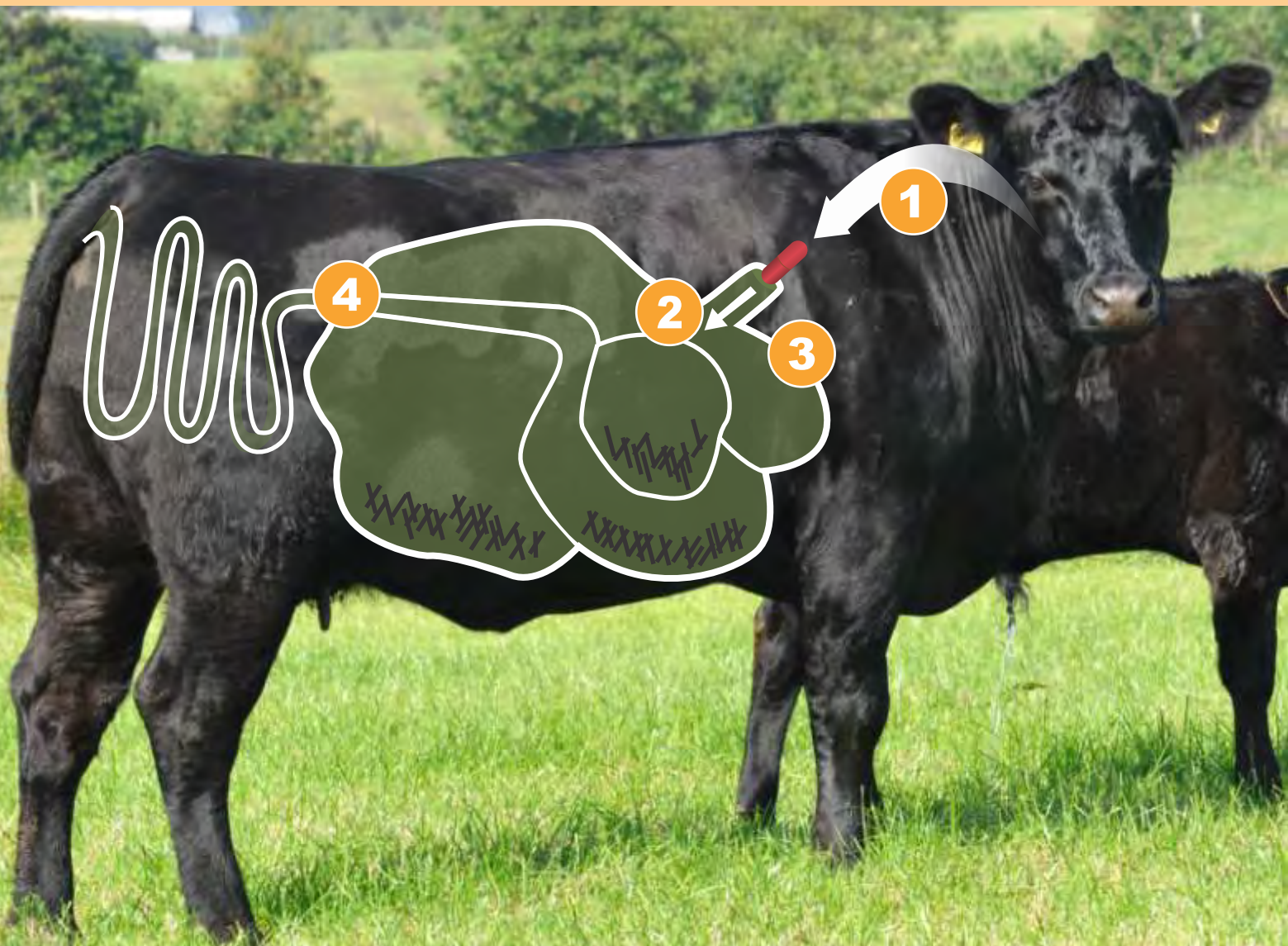
Stores of copper build up in the liver as the rods disintegrate at a steady and consistent rate.

2

The copper oxide needles are released from the capsule and lodge in the folds of the animal's stomach lining.

4

The copper reserves that have built up in the liver are released gradually for approximately 6 months (depending on species and conditions).



# Technical notes: copasure® & copinox®

**Use medicines responsibly.** Summary product information only below. For full product information, usage instructions, warnings etc. visit <http://www.vmd.defra.gov.uk/ProductInformationDatabase/Default.aspx>

**copasure® and copinox® are a range of licensed medicinal copper products which are indicated for the prevention of copper deficiency and which are administered orally in a hard gelatine capsule.**

Inadequate copper levels may be due to insufficient copper in the diet (primary copper deficiency). Secondary copper deficiency results from the adverse effects of molybdenum, iron or sulphur upon copper absorption. Use of copasure® and copinox® is appropriate in both primary and secondary copper deficiency and has been independently proven to be an effective way of administering copper, even in the presence of dietary antagonists. There are many advantages to using copasure® and copinox® over other cattle and sheep treatments:

- No injections and no risk of abscesses. Easy to administer with no pain or stress to the animal.
- Single dose lasts approximately 6 months; outlasting the lifespan of copper injections by approximately 6 times.
- Effective even with high levels of dietary antagonists, including molybdenum.
- The dose per animal is known, optimum and controlled, in comparison to other methods where greedy animals may take too much and others not enough.

## How copasure® and copinox® work

The capsule disintegrates releasing copper oxide needles which lodge in the folds of the rumen, reticulum and omasum. The copper oxide needles persist for up to 3 months, slowly passing into the abomasum, providing a slow, sustained-release source of copper that is absorbed from the intestines. Liver copper storage is elevated for approx. 6 months. This steady supplementation provides for adequate copper status, but avoids the sharp rises in copper that can be associated with copper toxicity. This method is particularly effective in the face of the intake of molybdenum or other antagonists.

## Copper deficiency

Pasture levels of copper are frequently insufficient for optimum health and productivity. Copper availability is also depressed by excessive intake of molybdenum, iron or sulphur. Copper deficiency is the most costly of all the common trace element deficiencies found in ruminants. It is usually a subtle problem that results in depressed immunity, poor reproductive performance and general health before it is visually apparent. Low copper intake and or high molybdenum (which inhibits the absorption of copper) can, if left untreated, lead to:

- Reduced fertility, growth rates, milk production and resistance to disease.
- Swayback in lambs.
- Steely wool in sheep.
- Faded coat and spectacle eye.
- Diarrhoea.
- Joint disorders, lameness, bone deformities and spontaneous fractures.
- Anaemia.
- Weight loss.
- Depressed bull/ram libido and reduced semen quality.
- Death.

## Analysis and diagnosis

The copper status of the herd or flock should be known prior to use. If in doubt consult your veterinary surgeon. See precautions below.

## Administration

Place the capsule at the back of the mouth using a suitable Animax applicator. To avoid injury the applicator should be used carefully and without force. Normal swallowing movements should allow the capsule applicator to be passed easily into the back of the mouth, the capsule may then be ejected. Always check that the animal swallows the capsule.

## Supplementation directions:

Dosage is dictated by animal weight. See product pages for dosage guidelines.

## Precautions

- No other form of copper supplementation should be given immediately prior to, or for six months after the administration of copasure® and copinox®.
- copasure® and copinox® should only be given if dietary insufficiency of copper exists or is known to be a risk.
- Seek veterinary advice before treating housed sheep and those breeds known to be susceptible to copper toxicity (e.g. North Ronaldsay, Texel, Lleyn and crosses of these breeds).
- Do not use in pre-ruminant animals.
- For animal use only.
- Keep out of the sight and reach of children.
- Do not exceed the stated doses.
- Use medicines responsibly.

## Storage

Dispose of empty packaging and any unused capsules in the farm refuse. Do not store above 25 °C. Store in a dry place. Protect from light, frost and

moisture. Partly used containers should be tightly closed. Keep out of the sight and reach of children.

## Withdrawal period:

*Meat:* Zero days / *Milk:* Zero hours.

## Legal category

copasure® and copinox® are classified as AVM-GSL ("over the counter" medicine).

## Copper content (per product/dose):



## Cattle product

**copasure® 24 g:** Copper oxide 24 g (equiv. 20.88 g metallic copper)



## Calf products

**copinox® 2 g:** Copper oxide: 2 g (equiv. 1.74 g metallic copper)

**copinox® 4 g:** Copper oxide: 4 g (equiv. 3.48 g metallic copper)



## Sheep product

**copinox® 4 g:** Copper oxide: 4 g (equiv. 3.48 g metallic copper)



## Lamb product

**copinox® 2 g:** Copper oxide: 2 g (equiv. 1.74 g metallic copper)



# Technical notes:

## easy<sup>cal</sup><sup>®</sup>

easy<sup>cal</sup><sup>®</sup> is a high calcium supplement paste that is used to balance the sudden drop in blood calcium levels at or around calving and reduce the risk of milk fever in calving cows.

### How easy<sup>cal</sup><sup>®</sup> works

easy<sup>cal</sup><sup>®</sup> delivers 65 g of calcium per application. Its calcium carbonate-based formulation is easily absorbed and is non-irritating. The unique formulation ensures that there is no settling or separation of the calcium carbonate, so that an optimum level of supplement is achieved every time. Once administered, the calcium solution is effective for between 12-15 hours.

### Milk fever

Sudden drops in blood calcium levels at or around calving increase the risk of milk fever in calving cows.

### Precautions

- For animal use only.
- Keep out of the sight and reach of children.
- Do not exceed the stated supplementation level.

### Administration

Each application comes in a pocket-size bottle and is delivered via an applicator that screws into the easy<sup>cal</sup><sup>®</sup> bottle. No bulky boluses or syringes are required.

### Supplementation directions

One bottle (65 g macro-element calcium) per application at or around calving. Repeat every 12-15 hours, as required.

### Storage

easy<sup>cal</sup><sup>®</sup> should be stored under cool dry conditions in the original packaging.

### Legal category

easy<sup>cal</sup><sup>®</sup> is a complementary mineral feed (feed for Particular Nutritional Purposes) for livestock.

### Content (per application):



easy<sup>cal</sup><sup>®</sup>  
Calcium 65 g

## paracide<sup>®</sup> 62 (Diazinon 62% w/v)

Use medicines responsibly.

paracide<sup>®</sup> 62 is used for the control of sheep scab, blowfly, ticks, keds and lice on sheep.

Summary product information only below. For full product information, usage and disposal instructions, warnings etc. visit <http://www.vmd.defra.gov.uk/ProductInformationDatabase/Default.aspx>

### Withdrawal periods

Meat and offal: 70 days.

Milk: Do not treat sheep producing milk for human consumption.

### Precautions

- paracide<sup>®</sup> 62 must only be used with the Animax manual pump, a closed transfer device.
- paracide<sup>®</sup> 62 is a veterinary medicinal product and should only be used according to the strict instructions on the product label.
- For external animal use only.
- Keep out of the sight and reach of children.
- Do not exceed the stated doses.
- Use medicines responsibly.

### Administration

Follow instructions on the product label. For external animal use only.

### Major incompatibilities

Diazinon is incompatible with copper compounds and oxidising agents. The material is slowly decomposed by water and dilute acids. Diazinon is incompatible with levamisole.

### Storage

Store in tightly closed original container. Do not store above 25 °C. Keep in a store designed for the storage of approved pesticides. Store away from food, drink and animal feedstuffs.

### Content:



**Product name:** Paracide<sup>®</sup> 62, concentrate for dip emulsion.  
**Active ingredient:** Dimpylate (Diazinon) 62% w/v.  
**Excipient:** Propylene oxide 1.03% w/v.

## pardevit® E

pardevit® E is a trace element and vitamin supplement for pre-ruminating lambs. pardevit® E delivers optimum levels of selenium, cobalt, vitamin B<sub>12</sub>, vitamin D<sub>3</sub>, vitamin E and vitamin A.

### When to use pardevit® E

Use from birth. Can be repeated monthly if necessary.

### Physical presentation

pardevit® E is a cloudy pink liquid.

### Precautions

- Do not repeat at intervals of less than one month.
- Shake well before use.
- For animal use only.
- Keep out of the sight and reach of children.
- Do not exceed the stated supplementation levels.

### Administration

Supplement should be delivered orally using a syringe.

### Supplementation directions

1 mL per animal for lambs up to 25 kg. Use from birth, can be repeated monthly if necessary.

### Storage

Do not store above 25 °C. Store away from direct sunlight. Protect from freezing. Do not use pardevit® E which has been frozen.

## pardevit® Boost

pardevit® Boost is trace element and vitamin supplement for pre-ruminating lambs. pardevit® Boost delivers optimum levels of selenium, cobalt, vitamin B<sub>12</sub>.

### When to use pardevit® Boost

Use from birth. Can be repeated monthly if necessary.

### Physical presentation

pardevit® Boost is a reddish pink translucent liquid.

### Precautions

- Do not repeat at intervals of less than one month.
- Shake well before use.
- For animal use only.
- Keep out of the sight and reach of children.
- Do not exceed the stated supplementation levels.

### Administration

Supplement should be delivered orally using a syringe.

### Supplementation directions

1 mL per animal for lambs up to 25 kg. Use from birth, can be repeated monthly if necessary.

### Storage

Do not store above 25 °C. Store away from direct sunlight. Protect from freezing. Do not use pardevit® Boost which has been frozen.

### Content (per mL):



#### pardevit® E

Vitamin A	11,830 iu
Vitamin B <sub>12</sub>	21 µg
Vitamin D <sub>3</sub>	2,620 iu
Vitamin E	47.2 iu
Selenium	1.26 mg
Cobalt	2.12 mg

### Content (per mL):



#### pardevit® Boost

Selenium	1.17 mg
Cobalt	2.2 mg
Vitamin B <sub>12</sub>	20 mg

# Products for cattle



## tracesure<sup>®</sup>

### tracesure<sup>®</sup> Cu/I



Copper



Cobalt



Iodine






Selenium

**tracesure<sup>®</sup> Cu/I** provides known and optimum intra-ruminal supplementation of all 4 core trace elements for approximately 6 months, depending on species and conditions. It achieves a consistent level of trace elements without having to rely on dietary intake.

**Pack sizes: 20 boluses / 10 boluses**



#### Application guidelines for tracesure<sup>®</sup> Cu/I:

Animals 200-550 kg:  / Animals 550-750 kg:  / Animals >750 kg: 



“

There was no method of being able to supplement cows with a known quantity of iodine before tracesure<sup>®</sup> was developed. The bolus contains a measured amount of iodine released in a consistent way.

*John Cook DCHP MRCVS, Independent Veterinary Consultant*

”

“

Cows have been more eager to calve as a result of their better trace element status and the single biggest benefit since using tracesure<sup>®</sup> Cu/I is less retained cleansings.

*John Millington, Staffordshire*

”

“

tracesure<sup>®</sup> Cu/I is a small price to pay for a thriftier cow that calves in time with the rest of the herd.

*Berwyn Lloyd, Moylegrove*

”

“

I see my herd peaking in yield 3-4 weeks earlier since I started bolusing with tracesure<sup>®</sup> Cu/I.

*Dean Wright, County Armagh*

”



## Key benefits:

- ✓ Aids fertility & health
- ✓ Maintains growth
- ✓ Cuts concentrate use & reduces costs

## tracesure® I

✓ Cobalt ✓ Iodine ✓ Selenium

tracesure® I provides known and optimum intra-ruminal supplementation of cobalt, iodine and selenium for approximately 6 months, depending on species and conditions. It achieves a consistent level of trace elements without having to rely on dietary intake.

**Pack size: 10 boluses**



### Application guidelines for tracesure® I:

Animals 200-550 kg: // / Animals 550-750 kg: // / Animals >750 kg: //



“

Since using the tracesure® boluses on our cows we have found the main advantages around the calving period and herd fertility. We have had virtually no retained cleanings and the cows show strong heats and get back in calf very quickly.

Andrew Wilson, Fife

”

## tracesure® Cu/I Calf

✓ Copper ✓ Cobalt ✓ Iodine ✓ Selenium

tracesure® Cu/I Calf provides known and optimum intra-ruminal supplementation of all 4 core trace elements for approximately 6 months, depending on species and conditions. It achieves a consistent level of trace elements without having to rely on dietary intake. *This product is also suitable for use with deer.*

**Pack size: 20 boluses**



Application guidelines for tracesure® Cu/I Calf: Animals 100-200 kg: /



## tracesure® I Calf

✓ Cobalt ✓ Iodine ✓ Selenium

tracesure® I Calf provides known and optimum intra-ruminal supplementation of cobalt, iodine and selenium for approximately 6 months, depending on species and conditions. It achieves a consistent level of trace elements without having to rely on dietary intake. *This product is also suitable for use with deer.*

**Pack size: 40 boluses**



Application guidelines for tracesure® I Calf: Animals 100-200 kg: /



“

On a rotational grazing system, we find that Animax boluses are a very effective way of giving our calves the minerals they need at grazing.

Chris James, Milking 2000 cows, Pembrokeshire

”

# Products for cattle



## copasure<sup>®</sup> & copinox<sup>®</sup>

AVM-GSL ("over the counter" medicine). Use medicines responsibly.

copasure<sup>®</sup> and copinox<sup>®</sup> are licensed, medicinal products containing copper oxide needles in a hard gelatine capsule. They are used for the prevention and treatment of copper deficiency, which is the most costly of all the common trace element deficiencies found in ruminants.

### How copasure<sup>®</sup> and copinox<sup>®</sup> work

The capsule disintegrates, releasing copper oxide needles which lodge in the folds of the rumen, reticulum and omasum. The copper oxide needles persist for up to 3 months, slowly passing into the abomasum to provide a slow, sustained-release source of copper that is absorbed from the intestines.\* Liver copper storage is elevated for approximately 6 months, depending on species and conditions. This steady supplementation provides for adequate copper status, but avoids the sharp rises in copper that can be associated with copper toxicity. This method is particularly effective when there may be intake of molybdenum or other antagonists when grazing.

### copasure<sup>®</sup> 24 g

copasure<sup>®</sup> is retained in the ruminant's stomach, elevating copper levels for approximately 6 months, depending on species and conditions. Good copper reserves in the mother at calving, and in her milk, will ensure that calves have sufficient copper reserves.

**Pack size: 24 capsules**

✓ Medicinal copper



copinox<sup>®</sup> 2 g & 4 g are also available for the treatment of ewes and calves with known copper deficiency.

**2 g pack sizes: 100/250 capsules / 4 g pack sizes: 50/100/250 capsules**



#### Dosage guidelines for copper:

For dosage information or advice about which product to use consult your vet or visit [www.vmd.gov.uk](http://www.vmd.gov.uk) for guidance.



\* Copper **DOES NOT** need to be available in the rumen to work effectively.

“

I used copasure<sup>®</sup> on a farm where copper deficiency was diagnosed after some animals died. All the cattle showed ill thrift and the ewes had poor fertility. After dosing the change in the animals was dramatic.

Nigel Misselbrook MRCVS, Chaseview Vets, Herefordshire

”



# easycal<sup>®</sup>

✓ Calcium

✓ **50% more calcium**  
than most bolus-type supplements

Calcium supplements are widely used in the dairy industry to balance the sudden drop in blood calcium levels at or around calving and reduce the risk of milk fever in calving cows. However, calcium is a macro element and a high level is needed. The traditional bulky application methods can deliver sufficient levels of calcium but their size makes them inconvenient to deliver quickly or easily.

easycal<sup>®</sup> is a high calcium supplement paste used for delivering calcium to pre-calving cows. It contains **50% more calcium** than most bolus-type supplements. There are 65 g of calcium per application packed into a convenient, pocket-size container and delivered via an applicator that screws into the easycal<sup>®</sup> bottle. No bulky boluses or syringes are required.

Unlike most calcium supplements, easycal<sup>®</sup> uses calcium carbonate, which is easily absorbed and is non-irritating, rather than calcium chloride which can upset the animal's digestive system. Once administered, the calcium solution is effective for between 12-15 hours.

**Pack size: 8 applications per pack**



**Application guidelines for easycal<sup>®</sup>:** One bottle (65 g macro-element calcium) per application at or around calving. Repeat every 12-15 hours, as required.



“ easycal<sup>®</sup> is absolutely brilliant. The cow was calving her sixth calf in the field one morning when we were on silage. She was an old cow and one that produced 9,000 kg in her last lactation and that is way above what a Jersey can eat for. We put an easycal<sup>®</sup> application down her throat and kept going on the silage. We gave her another easycal<sup>®</sup> that night as a safeguard and that cow never looked back. It is the first time we have calved that cow and not given her calcium in the vein. She would usually have had two bottles of 20% and the next day had another bottle of 20%. easycal<sup>®</sup> is dead easy to administer. If you give a Jersey a calcium bolus 50% of them will bring the bolus back up again but with easycal<sup>®</sup> once it is in, it is in. ”

*Robert Hunter, President of Holstein Scotland South, Lanarkshire*

“ I previously used calcium boluses but the cows kept spitting them out. The boluses would fall to the floor and break up. We have had such good results that we will stick with easycal<sup>®</sup>. ”

*John Harrison, Cumbria*





# Applicators

All of Animax's applicators are based on British designs created by Animax design engineers. Each one is hand-made from stainless steel at the Animax manufacturing facility in Suffolk and is rigorously tested for quality and suitability on-site.

Properly used the applicators are efficient, easy to use and safe. For full instructions on the proper use of the applicators please visit [www.animax-vet.com](http://www.animax-vet.com).



**tracesure® / copasure®** applicator - easy grip handle and durable stainless steel finish.



Deer applicator - easy grip handle and durable stainless steel finish. (For use with calf products).



**tracesure®** calf applicator - easy grip handle and durable stainless steel finish.



**easy<sup>cal</sup>** applicator - easy-fit connector and durable stainless steel finish.

## Products for sheep



“

My Hampshire Down flock are bolused 4 weeks pre-tupping and again 4 weeks pre-lambing. I found lambs are brighter, more alert and much quicker to suckle. I really noticed the faces, noses, ears and feet have all darkened and look much better. Animax boluses are doing the job I want them to do.

*Trevor Fegan, Loughbrickland*

”

“

Since we have been bolusing with **tracesure®**, lambs have been thriving much better and the growth rates have been tremendous. We had been using drenches and supplement buckets but I found that the way that the bolus works, with slow release, makes so much more sense than going in and dosing the sheep endless numbers of times during the year. The cost associated with that compared to a bolus twice a year makes more sense to me. It is easier for the husbandry of the sheep too.

*Tomos Evans, Carmarthenshire*

”

## Products for sheep

### tracesure<sup>®</sup>

#### tracesure<sup>®</sup> Co

 Cobalt

tracesure<sup>®</sup> Co provides intra-ruminal supplementation of cobalt at known and optimum levels for approximately 6 months, depending on species and conditions. It achieves a consistent level of cobalt without having to rely on dietary intake.

**Pack sizes: 250 boluses / 100 boluses**



**Application guidelines for tracesure<sup>®</sup> Co\*:** Animals >20 kg   
\* For animals with a severe cobalt deficiency: 2 tracesure<sup>®</sup> Co boluses



#### tracesure<sup>®</sup> Se/I

 Iodine  Selenium

tracesure<sup>®</sup> Se/I provides intra-ruminal supplementation of iodine and selenium at known and optimum levels for approximately 6 months, depending on species and conditions. It achieves a consistent level of iodine and selenium without having to rely on dietary intake.

**Pack size: 250 boluses / 100 boluses**



**Application guidelines for tracesure<sup>®</sup> Se/I:** Animals >20 kg 



#### coprac<sup>®</sup> 2 g & 4 g

 Copper

coprac<sup>®</sup> 2 g & 4 g provides intra-ruminal copper.

**Pack size: 250 capsules / 100 capsules**



**Application guidelines for coprac<sup>®</sup>:**  
Animals over 4 weeks old and >10 kg use 2 g  / Animals >40 kg use 4 g 



“

I am going to bolus again this year, I have seen the benefits. It doesn't take a lot of live lambs to pay for it. We feed quite a lot of root crops to the ewes so it was a good way of getting the minerals into the sheep. You know they have had them. I think bolusing with Animax is a way to keep the sheep healthy.

*Barry Evans, Denbigh*

”



## Key benefits:

- ✓ Aids fertility & health
- ✓ Maintains growth & production
- ✓ Cuts concentrate use & reduces costs

“ We bolused the ewes with **tracesure**® Se/I and **tracesure**® Co, pre-tupping and before lambing. When we scanned we found a lambing percentage of 200% so I'm really delighted. ”

*Sam Barlow, Pedigree Texel breeder, Lancashire*

“ We have seen a huge difference since we started bolusing a couple of years ago, a massive difference in fact. We would certainly never go back to not using the bolus. ”

*Geraint Powell, Cirencester*



## **tracesure**® Traffic Lights for Sheep Combi pack

✓ Copper   ✓ Cobalt   ✓ Iodine   ✓ Selenium

**Contains:** **tracesure**® Co + **tracesure**® Se/I + **coprac**®

**tracesure**® Traffic Lights for Sheep is a highly cost effective product combination that provides intra-ruminal supplementation of all 4 of the core trace elements for sheep and ewe lambs at known and optimum levels for approximately 6 months, depending on species and conditions. It achieves a consistent level of trace elements without relying on dietary intake.

**Pack sizes:** 250 boluses / 100 boluses



**Application guidelines for **tracesure**® Traffic Lights for Sheep:**

**Animals >20 kg:** 1 **tracesure**® Co bolus + 1 **tracesure**® Se/I bolus + 1 **coprac**® capsule



# Products for sheep



## copinox<sup>®</sup>

AVM-GSL ("over the counter" medicine). Use medicines responsibly.

**copinox<sup>®</sup> is a licensed, medicinal product containing copper oxide needles in a hard gelatine capsule. It is used for the prevention and treatment of copper deficiency, which is the most costly of all the common trace element deficiencies found in ruminants.**

### How copinox<sup>®</sup> work

The capsule disintegrates, releasing copper oxide needles which lodge in the folds of the rumen, reticulum and omasum. The copper oxide needles persist for up to 3 months, slowly passing into the abomasum to provide a slow, sustained-release source of copper that is absorbed from the intestines.\* Liver copper storage is elevated for approximately 6 months, depending on species and conditions. This steady supplementation provides for adequate copper status, but avoids the sharp rises in copper that can be associated with copper toxicity. This method is particularly effective when there may be intake of molybdenum or other antagonists when grazing.

## copinox<sup>®</sup> 2 g and copinox<sup>®</sup> 4 g

✓ Medicinal copper

copinox<sup>®</sup> 2 g and copinox<sup>®</sup> 4 g are retained in the ruminant's stomachs, elevating copper levels for approximately 6 months, depending on species and conditions. Good copper reserves in the mother at lambing, and in her milk, will ensure that her lambs have sufficient copper reserves.

**Pack sizes:** 250 capsules / 100 capsules / 50 capsules



**Dosage guidelines for copinox<sup>®</sup> 2 g and 4 g:** For dosage information or advice about which product to use consult your vet or visit [www.vmd.gov.uk](http://www.vmd.gov.uk) for guidance.



\* Copper **DOES NOT** need to be available in the rumen to work effectively.

“

The lambs had normal blood copper values, around 20 in December. As they started to lose weight the copper values were checked in April and all had dropped to below 10 with some as low as 4. Following dosing with copinox 4 g they started to improve in condition and the blood values had improved to around 17 at the end of May.

Ian Gill Cert SHP MRCVS

”



## paracide® 62 (Diazinon 62% w/v)

*Available on prescription only. Use medicines responsibly.*

paracide 62® is the only UK manufactured Diazinon-based sheep dip. It is a reliable and cost effective organophosphate fly and scab sheep dip. It can be used for the control of sheep scab mite, lice, maggot (blowfly) infestation, keds and ticks. It can also be used to treat established fly strike. It controls sheep scab in a single dipping.

Loose wool, severe scratching, weight loss and diminished appetite are all signs of ecto parasites like sheep scab mites and lice. These parasites can spread through a flock within two weeks, leading to significant welfare, production and financial implications.

## paracide® 62

paracide® 62 can be used as part of biosecurity process prior to introduction of newly purchased sheep to the flock, as per SCOPS recommendations. Visit [www.scops.org.uk](http://www.scops.org.uk) for information.

### Pack sizes:

**5 litres: 24 drums per layer / 96 drums per pallet**

**10 litres: 12 drums per layer / 48 drums per pallet**



paracide® 62 must only be used with the Animax manual pump, a closed transfer device.

### Dosage guidelines for paracide® 62:

Consult your vet or visit [www.vmd.gov.uk](http://www.vmd.gov.uk) for guidance.



### Important notes about paracide® 62:

- **Withdrawal periods:** *Meat and offal:* 70 days / *Milk:* Do not treat sheep producing milk for human consumption.
- Only summary product information is included on this page. For further information see the technical notes for paracide® 62 on page for paracide® 62 and for full product information, usage and disposal instructions, warnings etc. visit <http://www.vmd.defra.gov.uk/ProductInformationDatabase/Default.aspx>
- paracide® 62 is a veterinary medicinal product and should only be used according to the strict instructions that accompany the product.

“

There are two other types of products which farmers can use to control ectoparasites: Pour-ons will kill lice but don't kill scab. Injectables kill scab but don't kill lice. When dipping was compulsory lice weren't an issue but by injecting to kill scab we are creating an opportunity for lice and the problem is getting worse.

*Les Porter, BVMS FRCVS*

”





# Applicators

All of Animax's applicators are based on British designs created by Animax design engineers. Each one is hand-made from stainless steel at the Animax manufacturing facility in Suffolk and is rigorously tested for quality and suitability on-site.

Properly used the applicators are efficient, easy to use and safe. For full instructions on the proper use of the applicators please visit [www.animax-vet.com](http://www.animax-vet.com).



**tracesure**<sup>®</sup> applicator - easy grip handle and durable stainless steel finish. Includes loading device.



**copinox**<sup>®</sup> applicator - easy grip handle and durable stainless steel finish.



**paracide**<sup>®</sup> 62 Closed Transfer Manual Pump - **paracide**<sup>®</sup> 62 is a licensed medicinal product and it is a legal requirement that it is only applied using this Animax closed transfer manual pump.

## Products for lambs



“ We buy lean lambs and we don't quite know their history when they come to us, so we bolus them with **tracesure**<sup>®</sup> Traffic Lights to give them a daily release of cobalt, selenium, iodine and copper. It does a good job. In fact it's a phenomenal product. It is also helping to save £6,000 a year on feed. Ewes are bolused at tupping and at pre-lambing, so the benefits of the second bolus passes to lambs in the womb and later, through their mother's milk. We only use a tonne of feed for some triplets and pet lambs now and that's about it. We are making a massive saving on cake. ”

**tracesure**<sup>®</sup> helps to get the flock in good condition. It is that daily release of important trace elements, since nowadays we don't get the trace elements out of the soil that we used to. We can see the benefit of bolusing with **tracesure**<sup>®</sup> Traffic Lights just by looking at the sheep.

*Rob Stephens, Brecon*



## Products for lambs



# tracesure<sup>®</sup>

## tracesure<sup>®</sup> Lamb Co

**tracesure<sup>®</sup>** Lamb Co is specially formulated to provide intra-ruminal supplementation of cobalt in known and optimum levels for up to 4 months, making it suitable for lambs that are due for finishing.

**Pack sizes: 250 boluses / 100 boluses**

✓ Cobalt



**Application guidelines for tracesure<sup>®</sup> Lamb Co:**  
Lambs of 26-40 kg: 



## tracesure<sup>®</sup> Lamb Finisher

✓ Cobalt

✓ Iodine

✓ Selenium

**tracesure<sup>®</sup>** Lamb Finisher is specially formulated to provide intra-ruminal supplementation of cobalt, iodine and selenium in known and optimum levels for up to 4 months, making it suitable for lambs that are due for finishing.

**Pack sizes: 250 boluses / 100 boluses**



**Application guidelines for tracesure<sup>®</sup> Lamb Finisher:**  
Lambs of 26-40 kg: 





## Key benefits:

✓ Aids growth, development & health

✓ Cuts concentrate use & reduces costs

# tracesure® Lamb Finisher Traffic Lights

## Combi pack

✓ Copper

✓ Cobalt

✓ Iodine

✓ Selenium

**Contains:** tracesure® Lamb Finisher and coprac® 2 g

tracesure® Traffic Lights for Lambs is a highly cost effective product combination that is specially formulated to provide intra-ruminal supplementation of all the 4 core trace elements for up to 4 months, making it suitable for lambs that are due for finishing.


### Pack sizes:

**A 100 pack contains: 100 applications** of tracesure® Lamb Finisher and coprac® 2 g

**A 250 pack contains: 250 applications** of tracesure® Lamb Finisher and coprac® 2 g



### Application guidelines for tracesure® Lamb Finisher Traffic Lights:

Lambs of 26-40 kg:  + 



# tracesure® Lamb Finisher Booster pack

## Combi pack

✓ Copper

✓ Cobalt

✓ Iodine

✓ Selenium

✓ Vit. B<sub>12</sub>

**Contains:** tracesure® Lamb Finisher Traffic Lights + pardevit® Boost

The tracesure® Lamb Finisher Booster Pack provides everything you need to give young lambs (26-40 kg) an initial supplement of the 4 essential trace elements and Vitamin B<sub>12</sub>. The product combination is designed to support the growth and development of the lambs.

### Pack sizes:

**A 200 pack contains:**

2 x 100 bolus packs of tracesure® Lamb Finisher Traffic Lights + 1 x 1 litre pardevit® Boost

**A 500 pack contains:**

2 x 250 bolus packs of tracesure® Lamb Finisher Traffic Lights + 1 x 2.5 litre pardevit® Boost



### Application guidelines for tracesure® Lamb Finisher Booster Pack:

Lambs of 26-40 kg:  +  + 1 mL pardevit® Boost



“ The mineral levels in the grass are at their lowest when the needs of the lambs are at their highest and those levels will alter year on year. Bolusing with the tracesure® range means that the flock is getting the same ration as before, but there is a marked improvement in their general condition. tracesure® is part of the jigsaw of a good management system. The bolusing of all animals eliminates any uncertainty in the level of trace element intake.

*Aled Jones, Blue Faced Leicester breeder and a former lecturer in livestock nutrition, Conwy*

# Products for lambs



## copinox<sup>®</sup> 2 g

AVM-GSL ("over the counter" medicine). Use medicines responsibly.

**copinox<sup>®</sup> is a licensed, medicinal product containing copper oxide needles in a hard gelatine capsule. It is used for the prevention and treatment of copper deficiency, which is the most costly of all the common trace element deficiencies found in ruminants.**

### How copinox<sup>®</sup> work

The capsule disintegrates, releasing copper oxide needles which lodge in the folds of the rumen, reticulum and omasum. The copper oxide needles persist for up to 3 months, slowly passing into the abomasum to provide a slow, sustained-release source of copper that is absorbed from the intestines.\* Liver copper storage is elevated for approximately 6 months, depending on species and conditions. This steady supplementation provides for adequate copper status, but avoids the sharp rises in copper that can be associated with copper toxicity. This method is particularly effective when there may be intake of molybdenum or other antagonists when grazing.

## copinox<sup>®</sup> 2 g

✓ Medicinal copper

**copinox<sup>®</sup> 2 g** is retained in the ruminant's stomachs, elevating copper levels for approximately 6 months, depending on species and conditions. Good copper reserves in the mother at lambing, and in her milk, will ensure that lambs have sufficient copper reserves.

**Pack sizes: 250 capsules / 100 capsules / 50 capsules**



### Dosage guidelines for copinox<sup>®</sup> 2 g:

For dosage information or advice about which product to use consult your vet or visit [www.vmd.gov.uk](http://www.vmd.gov.uk) for guidance



\* **Copper DOES NOT need to be available in the rumen to work effectively.**

“ We had lambs that were losing weight and with dirty bottoms that did not have worms or fluke. We checked the blood copper levels and found that they had all dropped from four months before and were below normal. After using copinox 2 g on the lambs they were already improving within a few weeks.

*Philip Whitehouse, Herefordshire*

”



## pardevit<sup>®</sup>

pardevit<sup>®</sup> E and pardevit<sup>®</sup> Boost are trace element and vitamin supplements for pre-ruminating lambs. pardevit<sup>®</sup> E delivers optimum levels of selenium, cobalt, vitamin B<sub>12</sub>, vitamin D<sub>3</sub>, vitamin E and vitamin A and pardevit<sup>®</sup> Boost delivers optimum levels of selenium, cobalt and vitamin B<sub>12</sub>.

### pardevit<sup>®</sup> E

✓ Selenium ✓ Cobalt ✓ Vit. B<sub>12</sub> ✓ Vit. D<sub>3</sub> ✓ Vit. E ✓ Vit. A

pardevit<sup>®</sup> E is an effective method of trace element supplementation for pre-ruminating lambs which delivers optimum levels of selenium, cobalt, vitamin B<sub>12</sub>, vitamin D<sub>3</sub>, vitamin E and vitamin A. It is ideal for use to support the growth and development of the lambs until the core trace elements in the other tracesure<sup>®</sup> lamb bolus products can be used.

**Pack sizes:** 500 mL / 1 litre / 2.5 litres / 5 litres



#### Application guidelines for pardevit<sup>®</sup> E:

Animals <25 kg: 1 mL delivered by syringe. See label for full guidelines.



### pardevit<sup>®</sup> Boost

✓ Cobalt ✓ Selenium ✓ Vit. B<sub>12</sub>

pardevit<sup>®</sup> Boost provides a very effective short term boost of cobalt, selenium and Vitamin B<sub>12</sub> for pre-ruminating lambs.

**Pack size:** 1 litre / 2.5 litres



#### Application guidelines for pardevit<sup>®</sup> Boost:

Animals <25 kg: 1 mL delivered by syringe. See label for full guidelines.



“ Once we dose the lambs, they make a full recovery within a couple of days. It is the best product I have found for getting them back on their feet. We also dose all lambs with pardevit<sup>®</sup> at six weeks and we do this as a protectant and if we feel that the lambs need it again at 12 weeks, we would have the confidence to use pardevit<sup>®</sup> again.

*David Williams, Denbighshire*

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# Applicators

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**tracesure**<sup>®</sup> Lamb Finisher applicator - easy grip handle and durable stainless steel finish.



**copinox**<sup>®</sup> applicator - easy grip handle and durable stainless steel finish.

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Pioneering **solutions** in animal health

# ANIMAX

veterinary technology

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