



# **Animal Health**



# Here to help

## Flexible delivery

### Get your order delivered:

- On-farm within 3-5 working days\*
- Delivery 10-15 working days for custom blends

### Next day to your local Ravensdown store

- For orders placed by 1pm

## Ordering is easy

To order simply call 0800 100 123  
or speak to your account manager

## Contents

Parasite control	4
Magnesium	8
Trace elements	10
Vitamins	13
Flavouring agent	13
Facial eczema	14
Teat sprays	14
Applicator guns	15

## Key



For  
cattle



For  
sheep



For  
deer

\* Applies to most products  
The information in this brochure is correct at the time of printing (April 2012), and is subject to change.

# Technical advice

Customer Centre representatives and account managers are supported by our qualified animal health team:



## Liz Marsom BSc (Hons)

**Animal Health Representative  
Upper North Island**

Liz has over 10 years' experience in agriculture, including research and work in the dairy industry, focussing on improving production and account management at Ravensdown.



## Gavin Goble BVSc MRCVS

**Veterinarian & Animal Health  
Business Manager**

Gavin has been leading the Ravensdown animal health business since 2002. He has over 25 years' experience in agriculture, including 15 years as a rural veterinarian.



## Carl Ahlfeld

**Animal Health Representative  
Upper South Island**

Carl has over 20 years' experience in agriculture, working in the wool industry and for a large animal health company.



## Paul McKee BSc (Tech)

**Animal Health Representative  
Lower North Island**

Paul has over 15 years' experience in agriculture, including working for AgResearch, focused on increasing the understanding of drench resistance and breeding for host immunity.



## Janna McLeod

**Animal Health Representative  
Lower South Island**

Janna is from a sheep and beef farming background. She has worked for veterinary practices in Otago and Southland, providing on-farm support in the sheep, beef and dairy sectors.

# Tips for managing selenium deficiency

from  
**Dr Gavin Goble**  
BVSc MRCVS  
Veterinarian, Ravensdown

**Identify selenium deficiency ideally through a mix of herbage, liver and blood testing.**

If you identify a deficiency, these are your options:

- Do nothing**  
A selenium deficiency can easily cost dairy farmers up to \$50 per cow / year.
- Use high quality fertiliser trace element additives**  
Including patented Selprill Double®, the most cost effective way to address selenium issues, proven to last in New Zealand conditions for 12 months.
- Use Stock Selenium™**  
Drench stock with our ready to use liquid selenium supplement.
- Use Ravensdown animal health grade trace element powders**  
Such as Dairy Cow Minerals™, a tailor made custom blend, or Vita-Mineral®.

# Parasite Control



NEW

## Trio<sup>®</sup> Sheep

- Mineralised triple combination (white, clear and endectocide/macrocytic lactone) oral drench
- Ideal as part of a routine parasite control programme and for use as a quarantine drench
- Effective against all adult and immature roundworms (including strains with single or dual resistance to macrocytic lactones, benzimidazoles, levamisole or closantel), lungworm, tapeworm, adult liver fluke, nasal bot and itch mite

**Active ingredients:** 1g/L **abamectin**; 25g/L **albendazole**; 40g/L **levamisole**; 0.5g/L selenium; 0.2g/L cobalt; 2.1g/L copper; 1g/L iodine; 0.6g/L zinc

**Dose rate:** 1mL/5kg live-weight

**Withholding periods:** Meat: 14 days; Milk: 35 days

**Dose rate:** 1mL/5kg live-weight

**Pack size:** 20L drum

Registered pursuant to the ACVM Act 1997, No A10662. Trio<sup>®</sup> is a registered trademark.

Now mineralised



NEW

## Moximax<sup>®</sup> Sheep

- Mineralised moxidectin oral drench
- Effective against adult and immature roundworms (including strains resistant to benzimidazoles and levamisole), and lungworm
- **28 days persistent activity against Haemonchus contortus (Barber's Pole)**
- **21 days persistent activity against Ostertagia**

**Active ingredients:** 1g/L **moxidectin**; 0.5g/L selenium; 0.2g/L cobalt; 2g/L copper; 1g/L iodine; 0.6g/L zinc

**Withholding periods:** Meat: 7 days; Milk: 35 days

**Dose rate:** 1mL/5kg live-weight

**Pack size:** 20L drum

Registered pursuant to the ACVM Act 1997, No A10724. Moximax<sup>®</sup> is a registered trademark.

Contains moxidectin, the most potent ML active



COMING SOON

## COMING SOON

## New combination drench for sheep and cattle



## Combo<sup>™</sup> Sheep

- Mineralised double combination (white and clear) oral drench
- Effective against all adult and immature roundworms (including strains that are resistant to either the benzimidazole family or levamisole), lungworm, tapeworm and adult liver fluke

**Active ingredients:** 24g/L **albendazole**; 37.5g/L **levamisole**; 0.5g/L selenium; 0.25g/L cobalt; 2.1g/L copper; 0.55g/L zinc

**Withholding periods:** Meat: 10 days; Milk: 10 days

**Dose rate:** 1mL/5kg live-weight

**Pack size:** 20L drum

Registered pursuant to the ACVM Act 1997, No A9444.

Double combination and only 10 day meat WHP



## Combo<sup>™</sup> Plus Tape

- Mineralised double combination (white and clear) oral drench
- Also contains praziquantel for specific tapeworm control
- Effective against all adult and immature roundworms (including strains that are resistant to either the benzimidazole family or levamisole), lungworm, tapeworm and adult liver fluke

**Active ingredients:** 25g/L **albendazole**; 37.5g/L **levamisole**; 18.8g/L **praziquantel**; 0.5g/L selenium; 0.2g/L cobalt; 2g/L copper; 1g/L iodine; 0.6g/L zinc

**Dose rate:** 1mL/5kg live-weight

**Withholding periods:** Meat: 10 days; Milk: 35 days

**Pack size:** 10L drum

Registered pursuant to the ACVM Act 1997, No A9789.

The preferred choice for lambs from docking to weaning





## Abamectin™ Sheep

- Mineralised endectocide (macrocylic lactone) oral drench
- Contains the highly potent active ingredient abamectin
- Effective against all abamectin-susceptible adult and immature roundworms (including benzimidazole and levamisole resistant strains) and lungworm

**Active ingredients:** 1g/L **abamectin**; 0.5g/L selenium; 0.2g/L cobalt; 2.1g/L copper; 1g/L iodine; 0.6g/L zinc  
**Dose rate:** 1mL/5kg live-weight  
**Withholding periods:** Meat: 14 days; Milk: 35 days  
**Pack size:** 20L drum

Registered pursuant to the ACVM Act 1997, No A9447.

Contains potent, short-acting abamectin



## Abamectin™ Plus Tape

- Mineralised endectocide (macrocylic lactone) oral drench containing the highly potent abamectin
- Also contains praziquantel for specific tapeworm control
- Effective against all abamectin-susceptible adult and immature roundworms (including benzimidazole and levamisole resistant strains), lungworm and tapeworm

**Active ingredients:** 1g/L **abamectin**; 18.8g/L **praziquantel**; 0.5g/L selenium; 0.2g/L cobalt; 2.1g/L copper; 1g/L iodine; 0.6g/L zinc  
**Dose rate:** 1mL/5kg live-weight  
**Withholding periods:** Meat: 14 days; Milk: 35 days  
**Pack size:** 10L drum

Registered pursuant to the ACVM Act 1997, No A9448.

Control roundworms and tapeworms in one dose



## Abamectin™ Injection

- Injectable endectocide (macrocylic lactone) anthelmintic with the potent active ingredient abamectin
- Suitable for cattle over 100kg live-weight (and 16 weeks of age) and sheep over 20kg live-weight
- Effective against all abamectin-susceptible roundworms (including inhibited *Ostertagia* larvae) and lungworm
- Effective against sucking lice on cattle
- In cattle: up to 21 days persistent activity against *Dictyocaulus viviparus*; 14 days persistent activity against *Ostertagia* spp, *Cooperia* spp (ML susceptible) and *Trichostrongylus axei*; and 7 days persistent activity against *Oesophagostomum radiatum*

**Active ingredient:** 10g/L **abamectin**  
**Dose rate:** 1mL/50kg live-weight  
**Withholding periods:** Cattle: Meat (49 days); Milk (49 days)  
 Sheep: Meat (28 days); Milk (35 days)  
**Pack size:** 500 mL injection pack

Registered pursuant to the ACVM Act 1997, No A9446.

Potent injectable for sheep and cattle



## Levamisole SC™

- Mineralised levamisole (clear) oral drench
- Effective against all levamisole-susceptible roundworms and lungworm
- Not effective against inhibited *Ostertagia* larvae in cattle

**Active ingredients:** 40g/L **levamisole**; 0.5g/L selenium; 0.25g/L cobalt; 2.6g/L copper; 1.25g/L iodine; 0.75g/L zinc  
**Dose rate:** 1mL/5kg live-weight  
**Withholding periods:** Sheep: Meat (10 days), Milk (35 days)  
 Cattle: Meat (10 days), Milk (1 day)  
**Pack size:** 20L drum

Registered pursuant to the ACVM Act 1997, No A9788.

Registered for sheep and cattle



## Abamectin™ Pour On

- Endectocide (macrocylic lactone) pour-on anthelmintic
- Contains potent abamectin
- Contains double the concentration of active ingredient compared to most other leading pour-on endectocides
- Effective against all abamectin-susceptible roundworms (including inhibited *Ostertagia* larvae) and lungworm
- Highly effective against external parasites (biting and sucking lice)

**Active ingredient:** 10g/L **abamectin**  
**Dose rate:** 1mL/20kg live-weight  
**Withholding periods:** Meat: 35 days; Milk: nil  
**Pack size:** 2.5L & 5L backpack & 20L drum

Registered pursuant to the ACVM Act 1997, No A9445.

Low dose internal and external parasite control





## Combo™ Cattle

- Mineralised double combination (white and clear) oral drench
- Effective against all roundworms (including inhibited *Ostertagia* larvae and strains that are resistant to either the benzimidazole family or levamisole), lungworm, tapeworm and adult liver fluke
- Ideal for the treatment of *Cooperia* in young cattle

**Active ingredients:** 100g/L albendazole; 75g/L levamisole; 0.9g/L selenium; 0.2g/L cobalt; 2g/L copper; 0.9g/L iodine; 0.6g/L zinc

**Dose rate:** 1mL/10kg live-weight

**Withholding periods:** Meat: 10 days; Milk: 35 days

**Pack size:** 5L backpack & 20L drum

Registered pursuant to the ACVM Act 1997, No A9790.

Ideal for  
controlling  
ML-resistant *Cooperia*  
in young cattle



## Noromectin® Plus Injection

- Injectable combination anthelmintic containing ivermectin and clorsulon
- Effective against all ivermectin-susceptible round worms and lung worms, as well as lice and mites
- Clorsulon is specifically effective against adult liver fluke
- Up to 21 days persistent activity against *Dictyocaulus viviparus* and *Oesophagostomum radiatum*; 14 days against *Ostertagia* spp (including inhibited immatures); and 7 days against ML-susceptible *Cooperia* spp

**Active ingredients:** 10g/L ivermectin (endectocide) and 100g/L clorsulon (specific flukicide)

**Dose rate:** 1mL/50kg live-weight

**Withholding periods:** Meat: 28 days; Milk: 14 days

**Pack size:** 500mL injection pack

Registered pursuant to the ACVM Act 1997, No A9938. Noromectin® is a registered trademark.

Controls  
liver fluke,  
roundworms and lice



## Albendazole™ Cattle

- Mineralised benzimidazole (white) oral drench
- Effective against all benzimidazole-susceptible roundworms (including inhibited *Ostertagia* larvae), lungworm, tapeworm and adult liver fluke

**Active ingredients:** 150g/L albendazole; 1.5g/L selenium; 6.8g/L copper

**Dose rate:** 1mL/20kg live-weight (1mL/15kg live-weight for fluke control)

**Withholding periods:** Meat: 10 days; Milk: 10 days

**Pack size:** 5L backpack

Registered pursuant to the ACVM Act 1997, No A9443.



## Flysafe® Liquid

- Non-stripping saturation dip (for jetting, plunge or shower)
- For up to 12 week's protection against blowfly strike caused by common strike flies such as the Australian blowfly (*Lucilia cuprina*), including organophosphate resistant strains

**Active ingredient:** 500g/L cyromazine

**Dose rate:** 12 weeks protection: dilute 2mL Flysafe® Liquid per litre of water, ie 2L per 1000L of dipwash

6 weeks protection: dilute 1mL Flysafe® Liquid per litre of water, ie 1L per 1000L of dipwash

Apply by jetting or saturation dipping, ensuring the sheep is fully wet

**Withholding periods:** Meat: 7 days; Milk: 35 days; Wool: 2 months

**Pack size:** 10L drum

Registered pursuant to the ACVM Act 1997, No A10486. Flysafe® is a registered trademark.

Up to 12  
weeks protection  
against flystrike



## Flysafe® Spray-On

- Ready to use spray-on for the protection of commonly struck areas of sheep
- For up to six week's protection against blowfly strike caused by common blowflies including the Australian blowfly (*Lucilia cuprina*), including organophosphate resistant strains

**Active ingredient:** 60g/litre cyromazine

**Dose rate:** Docking: 5-10mL over the crutch, ensuring sufficient is applied to cover the area to be protected

For preventing poll strike: At least 5mL Flysafe® Spray-On around the poll and horns

For the protection of all commonly struck areas: 15-70mL depending on live weight

Use a standard drench gun with a spray-on nozzle. For more information see the product label

**Withholding periods:** Meat: 7 days; Milk: 35 days; Wool: 2 months

**Pack size:** 10L drum with a draw-off tube for administration without decanting into a backpack

Registered pursuant to the ACVM Act 1997, No A10481. Flysafe® is a registered trademark.

Flystrike  
prevention with  
a convenient spray-on





## Synergy® Cattle

- Pour-on lice treatment
- The only combination formulation on the market with two different insecticide active ingredients
- Effective against lice for up to six weeks and biting flies for up to three weeks

**Active ingredients:** 7g/L alphamethrin; 20g/L tetrachlorvinphos; 75g/L piperonyl butoxide  
**Dose rate:** 1mL/10kg live-weight  
**Withholding periods:** Meat: 7 days; Milk: Nil  
**Pack size:** 5L backpack

Registered pursuant to the ACVM Act 1997, No A9785. Synergy® is a registered trademark.

Combination technology to control lice and biting flies



## Fleeceguard®

- Unique water-based combination pour-on lice treatment
- Rapid knockdown of lice with the synthetic pyrethroid
- Effective against SP-resistant lice

**Active ingredients:** 20 g/L diflubenzuron and 10 g/L deltamethrin  
**Dose rate:** 18-39mL depending on live weight. Use a standard drench gun with a T-bar nozzle. For more information see the product label.  
**Withholding periods:** Meat: 63 days; Milk: 35 days; Wool: 2 months  
**Pack size:** 5L backpack & 20L drum

Registered pursuant to the ACVM Act 1997, No 10577. Fleeceguard® is a registered trademark.

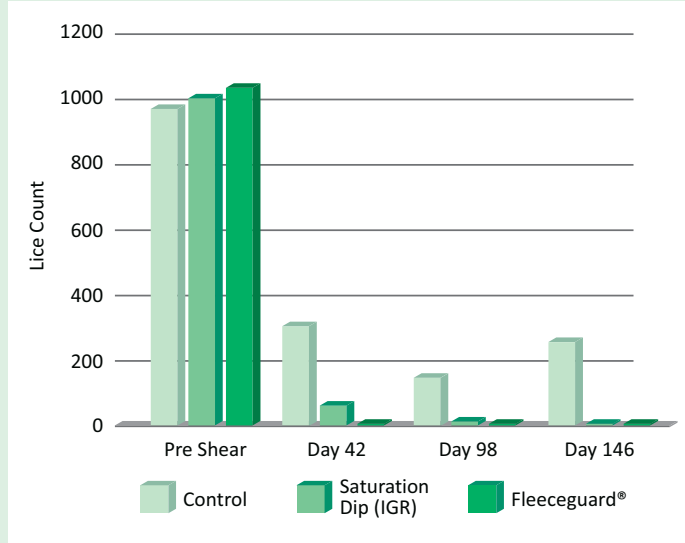
For ultimate lice control



# Why use Fleeceguard®?

## Field Trial - Fleeceguard®

2 tooth Merino Louse Counts, using Fleeceguard®



The above trial data shows results of comparative field trial work conducted in the South Island, comparing Fleeceguard® pour-on against saturation dipping with an IGR.

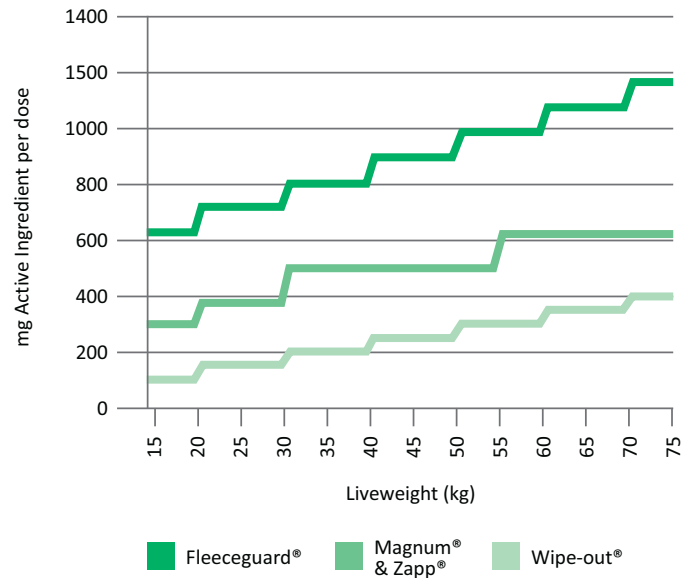
Reduction of lice from the initial off-shears treatment:

- Day 42 98.5%
- Day 98 99.6%
- Day 146 100%

Lice control was achieved in 42 days compared to traditional IGR pour-on products taking 84-98 days. This shows the excellent initial knockdown that was achieved using Fleeceguard®. The trial results also show that Fleeceguard® will control lice for a 5 month period after the initial knockdown.

## Comparative Products

Showing the amount of actual active (combined) per dose.



As results show – Fleeceguard® delivers more active per dose than Magnum®, Zapp® or Wipe-out®.

Fleeceguard® is a unique water-based combination of a synthetic pyrethroid (SP) and an insect growth regulator (IGR).

Sheep treated with a combination SP/IGR will achieve both a more rapid louse knockdown with the synthetic pyrethroid (deltamethrin) and also the persistence of the benefit of the insect growth regulator (diflubenzuron).

# Magnesium and other minerals



## Magnesium Oxide Fine

- High-quality 200-mesh dusting-grade magnesium oxide (MgO)
- Suitable for pasture dusting, pasture spraying or addition to supplementary feed
- Can also be used for oral drenching

**Active ingredient:** 54% elemental **magnesium** (90% magnesium oxide)  
**Dose rate:** Cattle: 30-70g per cow per day; Sheep: 6-8g per ewe per day  
Actual rate depends on magnesium requirements and method of administration  
**Pack size:** 25kg lined polypropylene bag

90% MgO –  
the choice of most  
NZ dairy farmers



## Magnesium Oxide Drenching

- High-quality 325-mesh drenching-grade magnesium oxide (MgO) for daily oral drenching of dairy cows in the cow shed
- Uniform particle size means that it readily stays in suspension
- Can be used for pasture dusting or spraying, or addition to supplementary feed at higher rates

**Active ingredient:** 54% elemental **magnesium** (90% magnesium oxide)  
**Dose rate:** 20-30g per cow per day depending on magnesium status  
**Pack size:** 20kg lined polypropylene bag

Stable in  
suspension for  
easy drenching



## Magnesium Chloride White Flake

- High-quality white magnesium chloride flake ( $MgCl_2 \cdot 6H_2O$ ) that is highly soluble in water
- Suitable for addition to the drinking water or supplementary feed, or for daily oral drenching

**Active ingredient:** 12% elemental **magnesium**  
**Dose rate:** Cattle: 60-100g per cow per day; Sheep: 8-12g per ewe per day  
Actual rate depends on magnesium requirements and method of administration  
**Pack size:** 25kg lined polypropylene bag

Water  
soluble magnesium  
supplement



## Magnesium Chloride Natural Flake

- High-quality natural (unbleached) magnesium chloride flake ( $MgCl_2 \cdot 6H_2O$ ) that is highly soluble in water
- Suitable for addition to the drinking water or supplementary feed, or for daily oral drenching
- May contain a very small amount of harmless insoluble organic residue

**Active ingredient:** 12% elemental **magnesium**  
**Dose rate:** Cattle: 60-100g per cow per day; Sheep: 8-12g per ewe per day  
Actual rate depends on magnesium requirements and method of administration  
**Pack size:** 25kg lined polypropylene bag

The  
original  
'natural' flake



## Magnesium Sulphate

- High-quality magnesium sulphate (Epsom Salts or  $MgSO_4 \cdot 7H_2O$ )
- Suitable for addition to the drinking water or supplementary feed, or for daily oral drenching

**Active ingredient:** 10% elemental **magnesium**  
**Dose rate:** Cattle: 60-120g per cow per day; Sheep: 10-15g per ewe per day  
Actual rate depends on magnesium requirements and method of administration  
**Pack size:** 25kg lined polypropylene bag

Water  
soluble magnesium  
supplement





## Lime Flour

- Ultra-fine high-quality calcium supplement ( $\text{CaCO}_3$ )
- Use for dairy cows after calving to aid in the prevention of milk fever
- Can be used by pasture dusting, daily oral drenching or addition to supplementary feed
- Suitable as a calcium supplement for adding to low calcium-feeds such as maize silage
- To avoid the risk of inducing milk fever, do not administer during the last 1-2 months of pregnancy unless on veterinary advice

**Active ingredient:** 39% elemental **calcium**  
**Dose rate:** 50-300g per cow per day depending on calcium requirements and method of administration  
 Alternatively add to maize silage at a rate of 60-120g/kg wet feed or 20-40g/kg dry feed  
**Pack size:** 25kg paper bag

Calcium supplement



## Salt (sodium chloride)

- Coarse grade 22 salt ( $\text{NaCl}$ ) suitable for oral drenching, licks, addition to drinking water or addition to supplementary feed
- Aids in the prevention and treatment of salt (sodium) deficiency
- Fine salt also available from some stores

**Active ingredient:** 39% elemental **sodium**  
**Dose rate:** Cattle: 20-30g per cow per day; Sheep: 1-3g per adult sheep per day  
 Actual rate depends on sodium requirements and method of administration  
**Pack size:** 25kg polypropylene bag (also available in 1 tonne bulk bag from selected stores)

Sodium supplement



## Maize Triple Mix™

- Convenient ready-mixed calcium, magnesium and sodium supplement for addition to maize silage at the time of feeding out
- Aids in the prevention of hypocalcaemia (milk fever), hypomagnesaemia (grass staggers) and sodium deficiency
- Do not administer during the last 1-2 months of pregnancy unless on veterinary advice to avoid the risk of inducing milk fever

**Active ingredients:** 21% elemental **calcium** (as lime flour); 14% elemental **magnesium** (as magnesium oxide); 8% elemental **sodium** (as salt)  
 Each 150g dose supplies 32g calcium, 20g magnesium and 12g sodium  
**Dose rate:** 150g per cow per day  
**Pack size:** 25kg paper bag

Making maize silage even better



## Starter Drench™

- Convenient, ready-to-use, post-calving energy starter drench to provide energy and aid in the prevention of metabolic conditions (milk fever, grass staggers and ketosis)
- Flowable formulation means that it does not settle out or require stirring, making it easy to drench
- Do not administer pre-calving unless on veterinary advice, to avoid the risk of inducing milk fever

**Active ingredients:** 200g/L **monopropylene glycol** (MPG); 150 g/L **molasses**; 100 g/L **soya oil**; 12.5g/L **magnesium** (as magnesium oxide); 60 g/L **calcium** (as precipitated calcium carbonate)  
**Dose rate:** 1L per cow as soon as practical after calving; additional doses of ½ -1L for up to four days may be given  
**Pack size:** 20L and 200L drums, 1,000L pods by prior arrangement

Free flow formulation for easier drenching



## Testing services

- Feed quality analysis
- Pasture analysis
- Faecal egg counting (FEC)
- Drench resistance testing (FECRT)
- Facial eczema spore counting
- Liver trace element testing

# Trace elements



## Dairy Cow Minerals™

- Free-flow water-soluble multi-mineral trace element mix
- Contains all five trace elements that are essential for animal health
- Easily dissolved, so is suitable for the supplementation of dairy cows via addition to the drinking water, oral daily drenching, or addition to supplementary feed
- Do not administer while dosing with zinc for facial eczema prevention

**Active ingredients:** 250mg **copper** (167mg as sulphate plus 83mg as EDTA chelate), 5mg **cobalt** (as sulphate), 3mg **selenium** (as sodium selenate), 10mg **iodine** (as EDDI chelate) and 400mg **zinc** (as zinc sulphate monohydrate) per 5 g dose

**Dose rate:** 5g per cow per day  
**Pack size:** 25kg lined polypropylene bag

Proven  
trace elements –  
giving you the essentials



## DCM™ Gold

- Free-flow water-soluble multi-mineral trace element mix, with copper, cobalt, selenium, iodine and zinc
- Designed to be administered in conjunction with zinc for facial eczema prevention
- The chelated form of the copper will not interfere with the uptake and effectiveness of the zinc
- Easily dissolved, so is suitable for the supplementation of dairy cows via addition to the drinking water, oral daily drenching, or addition to supplementary feed
- Also suitable where it is desirable to avoid the use of copper sulphate through in-line dispensers

**Active ingredients:** 150mg **copper** (as amino acid chelate), 10mg **cobalt** (as sulphate), 5mg **selenium** (as sodium selenate), 20mg **iodine** (as EDDI) and 600mg **zinc** (as zinc sulphate monohydrate) per 5g dose

**Dose rate:** 5g per cow per day  
**Pack size:** 25kg lined polypropylene bag

All  
chelated copper



## Custom Mineral Blending

- A service that provides a customised mineral blend tailor-made for an individual farm
- Ingredients can include trace elements, minerals, vitamins and many other additives that may be required (subject to compatibility)
- Product is manufactured according to farmers' individual requirements (Ravensdown can assist in determining this if required) and is delivered direct to farm within 10-15 working days in 25kg lined polypropylene bags, in half or one tonne lots
- An optional extra is the inclusion of convenient 'day packs' inside each 25kg lined bag that provide the whole herd's requirements for one day

To give  
you exactly  
what you require



## Stock Selenium™

- Convenient ready-to-use liquid selenium supplement
- Prevention and treatment of selenium deficiency
- Use by medication of the drinking water, oral drenching (daily or strategic) or addition to supplementary feed

**Active ingredient:** 0.5% (5mg/ml) elemental **selenium** (as sodium selenate) as a colourless solution  
**Dose rate:** Strategic oral drenching: 1ml/50kg live-weight no more frequently than every 3 weeks  
Daily dosing: 0.1ml/50kg live-weight per day; by drenching, water or feed medication  
**Pack size:** 20L & 200L drums

Convenient  
ready to use  
selenium supplement



## Selprill Double®

- A patented slow-release 2% selenium prill for use as a fertiliser additive to raise soil and herbage selenium levels
- Treatment and prevention of selenium deficiency in grazing animals

**Active ingredient:** 2% elemental **selenium**  
**Application rate:** ½ kg per hectare per year (10g elemental selenium per hectare per year)  
**Pack size:** 25kg polypropylene bag

Selprill Double® is a registered trademark. NZ Patent number 534753.

Up to  
12 months  
supplementation  
for the whole farm  
with our patented prill





## Stock Iodine™

- Convenient ready-to-use liquid iodine supplement
- Prevention and treatment of iodine deficiency
- Use by addition to the drinking water, oral drenching (daily or strategic), addition to supplementary feed or foliar application (preferably with a suitable sticking agent)

**Active ingredient:** 5% elemental **iodine** (as potassium iodide) as a colourless to light brown solution

**Dose rate:** Strategic oral drenching: ewes 4-5mL monthly as required.  
Daily dosing: 0.1-0.8mL per cow per day; 1-4mL per 100 adult sheep per day; by drenching, water or feed medication

**Pack size:** Foliar application: 1.25L/ha (pasture); 2.5L/ha (brassicas) up to 1-2 weeks pre-grazing  
20L & 200L drums

Convenient  
ready to use  
iodine supplement



## Stock Copper™

- Convenient ready-to-use liquid copper supplement
- Prevention and treatment of copper deficiency
- Use by addition to the drinking water, oral daily drenching, addition to supplementary feed or foliar application (preferably with a suitable sticking agent)
- Do not administer to animals while dosing with zinc for facial eczema prevention

**Active ingredient:** 5% elemental **copper** (as copper sulphate) as a clear blue solution

**Dose rate:** Daily dosing: 1-5mL per cow per day; 1-2mL per adult deer per day; 0.1-0.3mL per adult sheep per day; by drenching, water or feed medication  
Foliar application: 10L/ha up to 1-2 weeks pre-grazing

**Pack size:** 20L & 200L drums

Convenient  
ready to use  
copper supplement



## Copper Sulphate

- Copper supplement ( $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ ) for the prevention and treatment of copper deficiency
- Suitable for oral daily drenching, addition to the drinking water, addition to supplementary feed, foliar application (preferably with a suitable sticking agent) or application with fertiliser

**Active ingredient:** 25% elemental **copper**

**Usage rates:** Daily dosing: typically 1-2g/cow/day by drenching, water or addition to feed  
Fertiliser: 5-6kg/ha (sheep and cattle); 12kg/ha (deer); ideally in the autumn  
Foliar application: 2kg/ha 1-2 weeks pre-grazing will give up to 6 weeks supplementation to grazing stock

**Pack size:** 25kg polypropylene bag

For  
fertiliser or  
animal health use



## Stock Cobalt™

- Convenient ready-to-use liquid cobalt supplement
- Prevention and treatment of cobalt deficiency
- Use by addition to the drinking water, oral daily drenching, addition to supplementary feed or foliar application (preferably with a suitable sticking agent)

**Active ingredient:** 1% elemental **cobalt** (as cobalt sulphate) as a clear red solution

**Dose rate:** Daily dosing: 1-2mL per cow per day; 1-2mL per 100 adult sheep per day; by drenching, water or feed medication

**Pack size:** Foliar application: 1.25-2.5 L/ha up to 1-2 weeks pre-grazing  
20L & 200L drums

Convenient  
ready to use  
cobalt supplement



## Cobalt Sulphate

- Cobalt supplement ( $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$ ) for the prevention and treatment of cobalt deficiency
- Suitable for oral daily drenching, addition to the drinking water, addition to supplementary feed, foliar application (preferably with a suitable sticking agent) or application with fertiliser

**Active ingredient:** 21% elemental **cobalt**

**Usage rates:** Fertiliser: Capital: 350g/ha; Maintenance: 175g/ha; ideally in the spring  
Foliar application: 60-240g/ha 1-2 weeks pre-grazing will give up to 6 weeks supplementation to grazing stock

**Pack size:** 25kg polypropylene bag

For  
fertiliser or  
animal health use





## Zinc Sulphate Hepta

- Prevention of facial eczema
- Treatment and prevention of foot-rot and scald
- Treatment and prevention of dermatophilosis (mycotic dermatitis or lumpy wool)
- Use as a dietary zinc supplement

**Active ingredient:** 22% elemental **zinc** (as zinc sulphate heptahydrate,  $ZnSO_4 \cdot 7H_2O$ )  
**Dose rate:** Facial eczema: 8g/100kg live-weight/day by addition to the drinking water only (do not orally drench at the facial eczema prevention dose rate)  
 Foot-bath or hoof-mat: 10% solution (1kg into 10L water)  
 Dermatophilosis: prevention 0.75% solution; treatment 1.5% solution; by spray or dip  
 Dietary supplement: 1-3g per cow per day; by oral drenching or addition to feed or drinking water

**Pack size:** 25kg lined polypropylene bag

Registered pursuant to the ACVM Act 1997, No A9256.

Water soluble  
multi-purpose zinc



## Zinc Sulphate Mono

- Prevention of facial eczema
- Treatment and prevention of foot-rot and scald
- Treatment and prevention of dermatophilosis (mycotic dermatitis or lumpy wool)
- Use as a dietary zinc supplement

**Active ingredient:** 35% elemental **zinc** (as zinc sulphate monohydrate  $ZnSO_4 \cdot H_2O$ )  
**Dose rate:** Facial eczema: 5.5g/100kg live-weight/day by addition to the drinking water only (do not orally drench at the facial eczema prevention dose rate)  
 Foot-bath or hoof-mat: 6.5% solution (650g into 10 L water)  
 Dermatophilosis: prevention 0.5% solution; treatment 1% solution; by spray or dip  
 Dietary supplement: 0.5-2.0g per cow per day; by oral drenching or addition to feed or drinking water

**Pack size:** 25kg lined polypropylene bag

Registered pursuant to the ACVM Act 1997, No A9257.

Water soluble  
multi-purpose zinc



## Zinc Oxide Plus™

- Pre-stabilised zinc oxide powder ( $ZnO$ ) for the prevention of facial eczema in cattle and sheep by oral drenching or addition to supplementary feed
- Drenching can either be at long-term rates (ranging from daily to weekly) or crisis rates (daily) depending on spore count
- Can also be used as a dietary zinc supplement

**Active ingredient:** 80% elemental **zinc**  
**Dose rate:** Facial eczema: Long-term rates: from 2.5g/100kg live-weight per day; to 11g/100kg live-weight twice weekly; to 27g/100kg live-weight per week (see label or website for more details)  
 Crisis rates: 3.75g/100kg live-weight per day  
 Dietary supplement: 0.2-1.0g per cow per day; by oral drenching or addition to feed

**Pack size:** 25kg polypropylene bag

Registered pursuant to the ACVM Act 1997, No A9412.

Pre-stabilised  
to make oral  
drenching easier



## See what our customers are saying...

Marlborough farmer Greg Harris is pleased with the products, the price and the service from Ravensdown when it comes to his animal health products.

He farms the 800ha Mount Adde Station in the Awatere Valley – a dry land, hill country property that has a vineyard as well as sheep and cattle breeding operations. “We’ve utilised many of the animal health products as they’ve come out,” he says.

*“I’m pleased with the products and the service. It’s hassle free. They don’t bother you all the time and chuck propaganda around. They offer products that are bread and butter for me. They’re cheap and they’re good.”*

“We have rural delivery here – the drench comes out with the mailman and he drops it off in our shed, usually within three days. You can’t ask for any more than that. The customer centre is brilliant. The staff fall over backwards to help... they know their jobs and are always obliging and helpful.”



# Vitamins



## Lift® B12 Plain

- Double strength, injectable Vitamin B<sub>12</sub> for the treatment and prevention of cobalt deficiency and Vitamin B<sub>12</sub>-responsive conditions
- Each treatment lasts 4-6 weeks

**Active ingredient:** 2mg/mL **vitamin B<sub>12</sub>** (hydroxocobalamin)

**Dose rate:** Sheep 0.5-1mL; Cattle 2-6mL

Actual dose depends on cobalt/Vitamin B<sub>12</sub> status and need for supplementation

**Withholding periods:** Meat: Nil; Milk: Nil

**Pack size:** 500mL injection pack

*Registered pursuant to the ACVM Act 1997, No A9783. Lift® is a registered trademark. Previously called "Vitamin B12-2000 Plain".*

Now in  
pillowpacks



## Lift® B12 Selenised

- Double strength, injectable Vitamin B<sub>12</sub> with selenium, for the treatment and prevention of Vitamin B<sub>12</sub>- and selenium-responsive conditions
- Each treatment lasts 4-6 weeks

**Active ingredients:** 2mg/mL **vitamin B<sub>12</sub>** (hydroxocobalamin) plus 4mg/mL **selenium** (as sodium selenate)

**Dose rate:** Lambs 0.5mL; Adult Sheep 1mL; Calves 2-3mL; Adult Cattle 4-6mL

Actual dose depends on cobalt/Vitamin B<sub>12</sub> status and need for supplementation

**Withholding periods:** Meat: Nil; Milk: Nil

**Pack size:** 500mL injection pack

*Registered pursuant to the ACVM Act 1997, No A9784. Lift® is a registered trademark. Previously called "Vitamin B12-2000 Selenised".*

Now in  
pillowpacks



## Vita-Mineral®

- Stable, water-soluble multi-mineral and vitamin powder for supplementation of sheep and cattle by oral drenching at strategic times
- Useful for times such as prior to mating, late pregnancy or during periods of stress (including climatic stress)
- The drench solution is made by dissolving 1kg powder (1 sachet) in water to make up to 5 litres solution.

**Active ingredients:** Each 10mL dose contains 280mg **iodine**, 2mg **selenium**, 2.5mg **cobalt**, 6mg **zinc**, 20,000 IU **vitamin A**, 10,000 IU **vitamin D** and 200 IU **vitamin E**.

**Dose rate:** Sheep: 10mL drench solution (2 grams powder) per adult sheep  
Cattle: 50mL drench solution (10 grams powder) per adult cattle

**Withholding periods:** Meat: Nil; Milk: Nil

**Pack size:** 4kg polyethylene bucket (containing 4 x 1kg sachets)

*Vita-Mineral® is a registered trademark.*

An extra  
boost with iodine,  
selenium and vitamins



# Flavouring agent



## Sweetwater®

- Caramel flavouring used to mask the taste and smell of zinc, magnesium, trace elements, bloat remedies and other additives, particularly in stock drinking water but also in drench mixtures or solid feeds
- Encourages water consumption and aids in the effective administration of these additives

**Active ingredients:** **caramel flavours and sugars**

**Dose rate:** Drinking water: 0.5-2mL per litre water or 25-50mL per kg of dissolved additive  
Solid feeds: 1-2L per tonne of feed

**Pack size:** 20L drum

*Sweetwater® is a registered trademark.*

To make  
the water  
taste better



# Facial eczema



## Sporeguard®

- Systemic fungicide used to control the fungus *Pithomyces chartarum*, which causes facial eczema
- Should always be used with the surfactant Sporewet®
- Sporeguard® and Sporewet® are effective in keeping facial eczema spore counts on pasture below dangerous levels for up to 40 days, hence animals do not induce harmful numbers of spores and should not require the administration of zinc

**Active ingredient:** 500g/L carbendazim  
**Application rate:** 300mL/ha (with 100mL/ha Sporewet®) in 100-200L water per ha  
**Withholding period:** Nil  
**Pack size:** 10L drum

Registered pursuant to the ACVM Act 1997, No P8308. Sporeguard® is a registered trademark.

Prevent  
facial eczema



## Sporewet®

- Non-ionic organo-silicone surfactant for use with Sporeguard® in the control of the fungus *Pithomyces chartarum*, which causes facial eczema
- Allows the water rate to be lowered to as low as 100L/ha, ensuring better coverage and quicker rain fastness

**Active ingredient:** non-ionic organo-silicone surfactant  
**Application rate:** 100mL/ha (with 300ml/ha Sporeguard®) in 100-200L water per ha  
**Withholding period:** Nil  
**Pack size:** 5L container

Sporewet® is a registered trademark.

Get the  
best from  
Sporeguard®



# Teat sprays



## Iodine Teat Safe®

- A non-irritating iodine-based teat spray for application onto the teats of lactating dairy cows after milking to assist in reducing the incidence of mastitis
- Also assists in the healing of cracked and chapped teats
- Will not taint or leave detectable residues in milk or milk products

**Active ingredients:** 230g/L (23%) povidone iodine (23g/L or 2.3% available iodine) and 305g/L (30.5%) emollient (sorbitol and glycerine)  
**Dose rate:** Routine conditions: dilute one part of Iodine Teat Safe® with nine parts clean water. Severe weather or high risk mastitis conditions: dilute one part of Iodine Teat Safe® with four parts clean water. Apply sufficient solution in a fine spray immediately after milking so it completely covers the teat surface and forms a droplet at the end of each teat.

**Pack size:** 20L & 200L drums

Registered pursuant to the ACVM Act 1997, No A10302. Teat Safe® is a registered trademark.

Contains  
emollient so you  
don't have to add it



## Chlorhex Teat Safe®

- A non-irritating chlorhexidine-based teat spray for application onto the teats of lactating dairy cows after milking to assist in reducing the incidence of mastitis
- Also assists in the healing of cracked and chapped teats
- Will not taint or leave detectable residues in milk or milk products

**Active ingredients:** 22.5g/L (2.25%) chlorhexidine gluconate and 645g/L (64.5%) w/v emollient (sorbitol)  
**Dose rate:** Dilute one part of Chlorhex Teat Safe® with four parts clean water. Apply sufficient solution in a fine spray immediately after milking so it completely covers the teat surface and forms a droplet at the end of each teat.

**Pack size:** 20L & 200L drums

Registered pursuant to the ACVM Act 1997, No A10275. Teat Safe® is a registered trademark.

Contains  
emollient so you  
don't have to add it



# Applicator guns

For use with Ravensdown products.

Spare needles and backpacks are available on request by calling 0800 100 123.

## 15mL multi-use gun

- Comes with four nozzles: oral drenching, pour on, spray on and T-bar



## 30mL multi-use gun

- Comes with oral drenching and pour on nozzles



## 60mL multi-use drench gun

- Comes with oral drenching and pour on nozzles



## Injection gun

- Comes with two needles
- 2mL, 5mL and 10mL options



## Drenching Hook Kit

- Complete kit to allow easy drenching of larger cattle
- Comes complete with drenching hook, 5 litre back pack, 60mL drench gun and all necessary tubing



# Got Barber's Pole? Relax, we've got Moximax®



**Ravensdown's new moxidectin drench, Moximax® Sheep, controls Barber's Pole with 4-5 weekly drenching.**

The only moxidectin drench available with all five essential trace elements and only **7 days meat with-holding.**

**For more information call 0800 100 123 or visit [www.ravensdown.co.nz](http://www.ravensdown.co.nz)**

**NEW**

Leading the way in agriculture  
0800 100 123 [www.ravensdown.co.nz](http://www.ravensdown.co.nz)

 **Ravensdown**