



ZINCMAX⁺

**THE FACIAL ECZEMA SOLUTION THAT
TASTES GREAT AND IS GOOD FOR THEM.**



What is facial eczema?

Facial eczema can be a very damaging and production limiting disease which causes liver damage, resulting in lowered production and sometimes death. Fungal spores produced by *Pithomyces chartarum* growing on pasture produce a toxin which when ingested by cattle damage the liver and bile ducts. The damaged liver cannot rid the body of wastes and a breakdown of chlorophyll builds up in the body causing sensitivity to sunlight, which in turn causes inflammation of the skin.

The first sign of facial eczema (subclinical) is a drop in milk production occurring soon after the intake of toxic spores. Cows are restless at milking time, seek shade and lick their udder. Production can be further affected when physical symptoms become obvious - exposed unpigmented skin thickens and peels.

Not all animals affected with facial eczema show physical symptoms when liver damage has occurred. Milk production of animals with subclinical facial eczema can be depressed by up to 50%. It is estimated for every 3% of cows showing clinical facial eczema, about 70% of the herd may have subclinical facial eczema.

Badly damaged liver tissue will not regenerate. Chronic wasting and/or death may occur at the time of damage or months later when the cows are under stress.

The fungus produces spores when overnight temperatures at grazing levels are above 12°C for 3 nights and humidity is high (usually December to May). The fungus grows at the base of the pasture so hard grazing/topping during danger periods increases the risk of spore intake.

Preventative measures, using Zinc based products, should start 2-3 weeks before spore counts rise to provide protection against facial eczema.

Why use Zincmax+?

For the prevention and treatment of facial eczema in dairy cows. Zincmax+ is a peppermint flavoured blend of water soluble zinc, combined with organic copper.

When dosed with high levels of zinc, cows tend to absorb less copper from their diet (as little as 0.6% of their dietary intake). The organic copper in Zincmax+ helps offset this depletive effect and enables cows to maintain healthy copper levels. This is especially important in the run-up to the stressful winter period.

The benefits of Zinamax⁺

- The peppermint flavour removes the unpalatable taste of zinc
- The organic copper helps offset the depletive effect of zinc and allows stock to maintain healthy copper levels
- Easily dissolved in water and suitable for use with in-line dispensers or trough dispensers
- Easy to calculate dose rates

When to use Zinamax⁺

Preventative measures with Zinamax⁺ should start 2-3 weeks before spore counts rise to provide protection and then continue dosing while the risk of spores persist.

Product details

Zinamax⁺ is supplied as a fine, free-flowing powder. A 25g dose contains 130mg of organic copper and 7.7g of zinc.

Available in a 20 kg bag.

Dose rate

Daily dose rate of 6.25g/100kg live weight to provide 5.5g zinc monohydrate per 100kg/liveweight

Class of stock		Dose rate grams per animal per day	Elemental zinc (g)	Organic copper (mg)
Friesian cow	500kg	31.25	9.63	162.5
Friesian cross	450kg	28.13	8.66	146.3
Jersey cow	400kg	25.00	7.70	130.0
Friesian yearling	350kg	21.88	6.74	113.8
Jersey yearling	300kg	18.75	5.78	97.5
Friesian Calf	250kg	15.63	4.8	81.3
Jersey Calf	150kg	9.38	2.89	48.8

NB: Not suitable for sheep due to copper content



For more information call
SealesWinslow on **0800 2287 325**

Zincmax+ is a registered pursuant to the
ACVM Act 1997, No 10457

