

Ascocool

Advantages

TOTALLY
SOLUBLE
IN WATER

NATURAL
ANIMAL
TONIC

IMPROVE
IMMUNITY

REDUCE
HEAT
STRESS

EASY
TO
USE

When the heat is on, choose a natural animal tonic for your animals.

Ascocool is a highly concentrated extract of the finest quality seaweed available – pure Atlantic brown (*Ascophyllum Nodosum*). It is grown slowly in the nutrient rich frigid waters of the North Atlantic, ensuring an end product power packed with high levels of nutrient.

• POWER PACKED WITH NUTRIENTS

Contains over 60 macro and trace minerals, 12 vitamins, 21 amino acids and enzymes. Heavily loaded with alginates as well as amino acids. Alginates are powerful natural mineral chelators that when incorporated into the diet can increase availability.

• EASY TO USE

The product comes in a fine, free flowing highly concentrated crystalline form that can be blended directly into feeds, or when added to water can be dosed into the drinking water, it is instantly soluble.*

• COST EFFECTIVE

When fed at normal daily supplementation rates, Ascocool costs 1g per cow per day (\$20+GST & freight per kg). This is a fraction of the cost of other similar products on the New Zealand market.

• HIGH QUALITY

Using a special vacuum evaporation system, the product is gradually dried down at a low temperature. This process guarantees that all the characteristics that make seaweed such a unique animal health tonic are effectively locked into the end product.



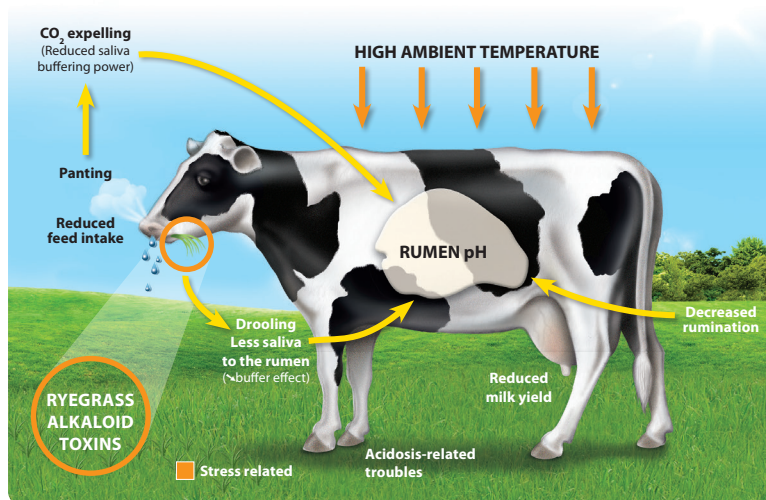
* Some council supplied water, or certain ground waters, may require mixing of the product and standing for 8 hours prior to introducing into the dosing tank, in order to ensure full hydration.

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BENEFITS ON THE FARM

Ascocool seaweed tonic provides a natural supplementation option for farmers, especially when the effects of summer heat and acidosis are a concern.



More peer reviewed trial work has been carried out on this genus of seaweed (*Ascophyllum Nodosum*) than any other in the world.

Trial work with dairy cows has shown that this particular seaweed genus can:

- Supply a range of unique carbohydrates called poly and mono-saccharides. These substances when introduced into the digestive system have the potential to act as powerful prebiotics and create a better environment for more efficient bacterial breakdown of feed.¹
- Binds certain naturally occurring toxins that build up in grasses under environmental stress, causing heat stress and problems in the central nervous system. Toxins are also formed when moulds are present in stored feed. This feed when fed to cattle can reduce production or cause other more serious health effects.²
- Shown to increase immunity.

TECHNICAL INFORMATION

Ascocool is supplied in a dry, soluble, crystalline form. 25kg net bag weight.

Dose Rate

Calves	0.25 – 0.6 Gram/Dose
Yearlings	0.4 – 0.8 Gram/Dose
Dairy Cattle	0.8 – 1.0 Gram/Dose
Goats	0.1 – 0.2 Gram/Dose

ANALYSIS OF SEAWEED EXTRACT

Element

Total Nitrogen (N)	1.0 – 2.0%
Calcium (Ca)	0.1 – 0.2%
Available Phosphoric Acid (P2O5)	1.0 – 2.0%
Sodium (Na)	3.0 – 5.0%
Soluble Potash (K2O)	16.0 – 20.0%
Boron (B)	75 – 150ppm
Sulphur (S)	1.0 – 2.0%
Iron (Fe)	75 – 250ppm
Magnesium (Mg)	0.2 – 0.5%
Manganese (Mn)	8 – 12ppm
Copper (Cu)	1 – 10ppm
Zinc (Zn)	25 – 75ppm

Maximum Moisture	6.5%
Organic Matter	45 – 55%
Ash (minerals)	45 – 55%
Carbohydrates	Alginic Acid, Mannitol, Laminarin

Amino acids (average g of amino acid / 100g of protein)

Alanine	3.81
Arginine	0.22
Aspartic Acid	5.44
Cystine	trace
Glutamic Acid	7.69
Glycine	3.16
Histidine	0.42
Isoleucine	1.94
Leucine	4.84
Lysine	1.33
Methionine	1.39
Phenylalanine	2.82
Proline	4.42
Serine	0.14
Threonine	1.27
Tyrosine	1.80
Valine	3.46

¹ (Prebiotics from Marine Macro Algae for Human and Animal Health Applications - L. O'Sullivan et al.)

² (Effect of *Ascophyllum Nodosum* on heat stress in dairy cows. - L.B. Pompeu et al)