

ALL - AUSTRALIAN
L i q u i d
SEAWEED
FOR ANIMALS

Liquid Seaweed is ideal for dairy and beef cattle, horses, calves, sheep, goats, deer, pigs, poultry, dogs and cats

Scientifically and historically seaweed is one of nature's most mineral rich plants.

We make *Liquid SEAWEED* from Tasmanian bull kelp (*Durvillea Potatorum*) one of the world's richest sources of micro-nutrients, alginic acid, essential amino acids, minerals and other complex organic compounds. We use a natural bacterial fermentation process to liquefy the kelp and maximise the seaweed's high nutrient levels.

DIGESTIBILITY and palatability is increased because the seaweed plant is already broken down by enzymes in the cold liquifying process making all vitamins, minerals, amino acids and elements readily available to the animal's digestive system therefore requiring less to achieve results.

ANIMALS have always sought out seaweeds for their health giving nutrients going so far as grazing these plants in salt water.

Many minerals are required by the body in minute amounts, but it cannot function effectively without them. Seaweed has an extensive range of these elements and minerals in their most natural forms.

VARYING REQUIREMENTS Sport horses, race horses, pregnant or lactating dairy cattle will have higher requirements for *Liquid SEAWEED* than non-producing animals. Feeding levels are designed to allow an increase or reduction in the number of times per week you supplement your animals according to their immediate requirements.

Liquid SEAWEED can be administered orally, mixed with feed or in water.

In the dairy *Liquid SEAWEED* can be administered with feed or ideally through our innovative automatic dispensing system, which is already successfully installed in many Australian dairies. The system can automatically dispense any liquid additive directly into bales.

Dairy Cattle

30ml daily for the 1st month, 20ml daily for the next month. Thereafter daily with feed or water as required to maintain desired results. This may vary according to quality of pasture and/or supplementary feed.

Calves 5ml daily in milk

Beef Cattle 30ml weekly

Weaners 25ml x 4 a year

Thoroughbred Horses 10ml daily

All other horses 10ml x 2 to 4 per week

Ponies 5ml x 1 to 2 per week

Goats, Llamas, Alpacas and Deer

10ml x 1 to 2 per week

Dogs (20kg and over)

1/2 tsp x 2 per week

Dogs (under 20kg)

1/4 - 1/2 tsp x 1 to 2 per week

Cats 1/4 tsp x 1 to 2 per week

Poultry 1 tsp to 1 litre of clean drinking water once per week.

Sheep 20ml x 5 a year

Pigs (intensive) 5ml daily

Active Constituent

Whole seaweed which contains 50 plus elements, minerals and vitamins all in a natural form. Equivalent to no less than 700 g/litre of fresh seaweed.



ALLOWED INPUT 42AI
**BFA
REGISTERED
PRODUCT**



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**TYPICAL ANALYSIS OF THE KELP USED
IN THE PRODUCTION OF *Natrakelp liquid SEAWEED***
Southern Tasmanian Bull Kelp (*Durvillea Potatorum*)

COMPOSITION

TOTAL SOLIDS	85%	TOTAL MOISTURE	15%
CRUDE FIBRE	7.0% w/w	CRUDE PROTEIN	5.0%

MINERALS AND TRACE ELEMENTS

BORON	70 ppm	IODINE (0.5 g/kg)	500 ppm	SODIUM CHLORIDE	3.0%
CALCIUM	1.4%	NITROGEN	0.75%	SULPHUR	0.82%
MAGNESIUM	1.0%	IRON (0.8 g/kg)	800 ppm	ZINC	30 ppm
MANGANESE	61.5 ppm	PHOSPHORUS	0.15%	ALGINATES	600~700 g/kg
COBALT (12 mg/kg)	12.0 ppm	POTASIUM	1.2%		
COPPER (6 mg/kg)	6.0 ppm	SELENIUM	0.09 ppm		

VITAMINS

VITAMIN A (Retinol)	150 IU/kg	VITAMIN B6 (Pyridoxene)	230 mcg/kg	PANTATHENATE	7.0 mg/kg
VITAMIN B1 (Thiamine)	200 mcg/kg	VITAMIN C (Ascorbic Acid)	10.0 mg/kg	CAROTENE	42 mg/kg
VITAMIN B2 (Riboflavin)	2.5 mg/kg	VITAMIN E (Tocopherol)	6.4 mg/kg		
VITAMIN B3 (Niacin)	23.0 mg/kg	CHOLINE	275 mg/kg		

Natrakelp liquid SEAWEED has been tested for any traces of heavy metals such as Chromium, Cadmium, Nickel and Mercury. Any quantities detected were up to 2,700 times below levels accepted by the World Health Organization

CYTOKININS AND AUXINS

CYTOKININS: (COMPOUNDS RESPONSIBLE FOR CELL DIVISION AND ELONGATION IN PLANTS)

TRANS ZEATIN RIBOSIDE	(ZR)	7.00 +/- 1.0 micrograms / Litre
ISOPENTENYL ADENOSINE	(IPA)	2.00 +/- 1.0 micrograms / Litre
TRANS ZEATIN	(Z)	0.07 +/- 0.3 micrograms / Litre
ISOPENTENYL ADENINE	16.00 +/- 1.5 micrograms / Litre

AUXINS: (RESPONSIBLE FOR PROMOTING ROOT GROWTH AND INITIATING BUDS)

TRI INDOLE ACETIC ACID	150.0 micrograms / Litre
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AMINO ACID ANALYSIS (Average)

AMINO ACID TYPE	TOTAL % AMINO ACID	gm / AMINO ACID IN 100gm CRUDE PROTEIN	gm / AMINO ACID IN 100gm DRY MATTER	AMINO ACID TYPE	TOTAL % AMINO ACID	gm / AMINO ACID IN 100gm CRUDE PROTEIN	gm / AMINO ACID IN 100gm DRY MATTER
Aspartic Acid	0.477	8.658	0.542	Valine	0.206	3.744	0.234
Threonine	0.193	3.494	0.219	Cystine	0.105	1.905	0.119
Serine	0.197	3.577	0.224	Methionine	0.070	1.272	0.080
Glutamic Acid	0.498	9.031	0.565	Isoleucine	0.143	2.593	0.162
Proline	0.165	2.991	0.187	Leucine	0.249	4.513	0.283
Glycine	0.203	3.682	0.231	Lysine	0.182	3.301	0.207
Alanine	0.272	4.936	0.309	Arginine	0.132	2.402	0.150
				TOTALS	3.091	56.097	3.512