

## **VITAGRAN SEAWEED MEAL**

The sea powered feeding supplement for healthier stock. Vitagran Seaweed Meal is a general purpose vitamin and mineral supplement made from fresh seaweed. Seaweed Meal is suitable for feeding to all types of animals - from race horses to cattle, sheep, goats, greyhounds, cats and poultry. The huge range of minerals and vitamins (see analysis below) make it an ideal supplement. As the minerals and vitamins are present in a naturally balanced form, there is no danger of overdosing. In most vitamin/mineral mixtures marketed by chemical companies, the vitamins and minerals are present in a synthetic form and are provided as a mix of single vitamins or minerals. Hence many reactions can take place between compounds, rendering many of them less available to stock. However, in Vitagran Seaweed Meal the vitamins and minerals occur as complex substances that are naturally chelated, that do not react with one another and are readily absorbed in the intestines.



The presence of alginate in seaweed meal allows for more efficient utilisation of other dietary components. This has led to many European stock feed manufacturers adding 1-2% seaweed meal to their proprietary brand stock feeds, as this has been found to result in better feed conversion. Thus Vitagran Seaweed Meal can be used at very low levels in any feed to provide a wide range of the vitamins and minerals required by stock and at the same time resulting in more production per kg of feed consumed. For example, Vitagran is used at 15kg per tonne of grain.

Note: Seaweed Meal is not a replacement for meat meal in high protein diets, as it contains only 5% protein. Do not use at levels in excess of 5% of total feed intake. Being a dry powder, mix it well with other feed, as the dryness of Vitagran Seaweed Meal may be unpalatable to stock, until they become accustomed to it. Otherwise, add a little moisture to the feed.

**FEEDING GUIDE** : Quantities given are a guide for normal situations. In case of extreme deficiency substantially higher quantities can be fed to advantage.

<b>HORSES</b>	
Brood Mares	50g per day during pregnancy. 30g per day when dry.
Foals	30g per day from weaning to maturity or until full training.
Race Horses	50g per day when in training. 25g per day when spelling.
Show Horses	50g per day when in work. 40g per day when spelling.
Stallions	50g per day when in work. 30g every 2nd day when spelling.

<b>GOATS</b>	
All breeds	5-10g per day mixed in with daily ration or placed in container where goats can feed as required.
<b>DAIRY CATTLE</b>	
Cows in milk	20g per day or 10-25kg in one tonne of dried feed.
Calves	5g per day, gradually increasing to adult rate at 6 months.
Bulls	30 g (up to 60 g) per animal per day, depending on work levels.
<b>BEEF CATTLE</b>	
All breeds	Up to 60g per day.
<b>DEER</b>	
Small deer	10 -15 g per day.
Large deer	20 - 30 g per day.
<b>SHEEP</b>	
All breeds	5-10g per day.
<b>POULTRY</b>	
All breeds	Use as 1-2% of total ration, dry or wet.
<b>DOGS</b>	
Small dogs	A small sprinkling mixed with food.
Large dogs	5-10g per day depending on size of dog.

**TYPICAL ANALYSIS :**MINERALS

Copper	6 mg/kg
Cobalt	12 mg/kg
Zinc	30 mg/kg
Iodine	0.05 g/kg
Iron	0.08 g/kg
Phosphorus	1.5 g/kg
Potassium	12.0 g/kg
Magnesium	10.0 g/kg
Calcium	14.0 g/kg

VITAMINS

Riboflavin	2.5 mg/kg
Niacin	23.0 mg/kg
Choline	275 mg/kg
Carotene	42 mg/kg
Pantotene	7 mg/kg
Vitamin A	150 I.U./kg
Vitamin E	6.4 mg/kg
Vitamin B	200 µg/kg

OTHER

Alginates	600 to 700 g/kg	Sodium Chloride (max)	30g/kg
Crude protein	50g/kg	Crude fat	6 to 26 g/kg
Crude fibre (max)	70g/kg		

Vitagran Seaweed Meal is available in 5kg, 20kg cartons and 1000kg Bulk bags from your local supplier.