

**PRODUCT INFO  
& DATASHEET**

# ***KELP MEAL***

## ***Ascophyllum nodosum***

*A natural source supplement for all feed rations from the cold and clean North Atlantic coast of Canada.*

### **THE KELP SOLUTION**

Modern intensive farming practices have resulted in soils with deficiencies that are reflected in the low nutritional content of grasses and grains grown on these soils, and in the health of animals raised and maintained on these crops. Lush and otherwise nutritious grasses may fail to supply the needs of animals because certain trace elements are missing. Animals have finely balanced needs for trace elements: too little produces deficiency symptoms, too much may be toxic.

The problems associated with oversupplying trace elements can be avoided by using kelp as the source because it provides trace elements in a naturally balanced form.

### **KELP AS A FEED SUPPLEMENT**

Ascophyllum nodosum seaweed has been used for centuries as a natural source feed supplement. Today, thanks to modern processing technology, the benefits of Ascophyllum nodosum seaweed are available in cost-effective dried granular form which can be conveniently added into the regular feeding program.

Commonly known as Norwegian Kelp or Rockweed, Ascophyllum nodosum seaweed is widely recognized to be the richest marine plant for agricultural use. This unique seaweed grows exclusively on the North Atlantic coasts of North America and Europe, and is particularly abundant on the North Atlantic coast of Canada. Ascophyllum nodosum contains over 60 minerals and elements, more than 12 vitamins, including Carotene, Tocopherol and Folic acid; valuable carbohydrates including Alginate acid, Laminarin and Mannitol, as well as a full range of amino acids.

### **BENEFITS OF KELP MEAL**

The regular use of Ascophyllum nodosum Kelp Meal as a supplement helps increase the utilization of all the ingredients in the complete feed ration, improving the overall health and performance of animals

Observations by farmers and breeders, as well as controlled testing, indicate the following benefits from feeding Ascophyllum nodosum Kelp Meal.

#### Dairy and Beef Cattle

- more efficient feed utilization, less feed required
- increases regularity of heat cycles
- improves rate of conceptions and healthy births
- fewer problems caused by dietary deficiencies such as mastitis, retained placenta, milk fever, abortions and infertility. Milk Fever can be averted by feeding Ascophyllum nodosum Kelp Meal 3-4 months before calving

#### Dairy Cattle

- increases milk yield
- increases butterfat content in milk
- increases iodine and Vitamin A content in milk
- minimizes production losses during stress periods
- prolongs lactation periods
- increases hemoglobin content in blood

#### Beef Cattle

- increases weight gains on less feed
- increases loin size
- reduces back fat

#### Poultry - Broilers

- increases weight gains on less feed
- reduces mortality
- better feathering
- increases pigmentation
- increases meat on shanks

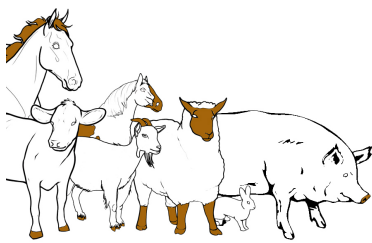
#### Poultry - Layers and Breeders

- increases hatchability of eggs
- reduces blood spots

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- increases iodine content of eggs
- increases yolk pigmentation
- reduces coccidiosis
- more uniform shell texture with reduced breakage
- increased laying period in older hens

**Poultry - Turkeys**

- increases weight gains on less feed
- increases hatchability of eggs
- lighter meat texture

**Swine**

- rapid gains for earlier marketing
- increases loin length and size
- larger loin eyes
- reduces back fat
- reduces internal parasites
- increases litters

**Sheep**

- increases birth rate
- easier lambing
- better quality wool

**Goats**

- increases birth rate
- increases weight gains on less feed for meat goats
- increases milk yield for dairy goats

**Horses**

- increases fertility in brood mares
- reduces incidence of cracked hooves
- minimizes stable vices and nervous habits
- increases resistance to infection and reduces healing time for injuries

**Shrimp and Prawns**

- increases weight gains
- reduces susceptibility to disease

This valuable seaweed from abundant beds on the North Atlantic coast of Canada, where the cold, clean and nutrient rich waters are continuously replenished by the world's highest tides. After harvest, the seaweed is carefully dehydrated to preserve the natural properties of the live seaweed, then ground and milled to various mesh sizes for specific feeding requirements.

**FEEDING METHODS**

Kelp Meal is an effective way to provide animals with a naturally balanced feed supplement. Kelp Meal can be mixed directly when the feed is ground and blended. When direct mixing is not possible, top dressing Kelp Meal onto the feed is recommended. For all range animals the free choice method is most practical.

**USAGE RATES**

Under normal conditions Kelp Meal should be mixed in at 2-2.5% of the feed ration (40-50 lbs per ton; 20-25 kg per metric tonne). Young animals should receive 1% of the feed ration (20 lbs per ton/10 kg per metric tonne). Where deficiencies may exist or animals are under stress conditions, use at the rate of up to 5% of the feed ratio (100 lbs per ton/ 50 kg per metric tonne)

- Cattle : 2-5 oz/55-140 gm per day; free choice for Range Cattle
- Heifers and Calves : 1-2 oz/25-55 gm per day
- Horses : 2 oz/14 gm per day
- Sheep and Goats : 2% of ration
- Swine : Free choice or 50 lbs per ton/25 kg per metric tonne of complete ration
- Chickens, Broilers, Layers : 1% of total feed
- Turkeys : 1-2% of total feed
- Fish : 2% of total feed
- Shrimp and Prawns : 2-10% of total feed

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