

# NUTRISAM®

*Natural Feed Supplement from the Sea*



*Nutrisam® helps the farmer to produce natural meat quality with fewer problems.*



- ✓ *Increases productivity*
- ✓ *Improves feed conversion rate*
- ✓ *Reduces stress*
- ✓ *Increases birth date*
- ✓ *Abolishes cannibalism*
- ✓ *Reduces mortality*
- ✓ *Gives better meat quality*



**Add 2,5 kg of Nutrisam to 1 ton of finished feed**

Nutrisam® is made of *Ascophyllum nodosum* which has the following nutritious analysis:

Protein	3,8%	N-free extract	45,0%
Fat	1,5%	Moisture	10,0%
Fibre	2,0%	Ash	12,0%

Nutrisam® contains over 60 minerals and elements, more than 12 vitamins including E,A,C and B12 as well as Thiamin and 21 amino acids. It is particularly rich in the element iodine and the anti-sterility vitamin E or tocopherol.

Nutrisam® contains the following elements:

CARBOHYDRATES	MINERALS/TRACE ELEMENTS		
Mannit	<b>Ag</b> Silver	<b>J</b> Iodine	<b>S</b> Sulphur
Alginic acid	<b>Al</b> Aluminium	<b>K</b> Potassium	<b>Sb</b> Antimony
Methylpentosans	<b>Au</b> Gold	<b>La</b> Lanthanum	<b>Si</b> Silicon
Laminarin	<b>B</b> Boron	<b>Li</b> Lithium	<b>Sn</b> Tin
Polysaccharides	<b>Ba</b> Barium	<b>Mg</b> Magnesium	<b>Sr</b> Strontium
	<b>Ca</b> Calcium	<b>Mn</b> Manganese	<b>Ti</b> Titanium
	<b>Cl</b> Chlorine	<b>Mo</b> Molybdenum	<b>Tl</b> Thallium
	<b>Co</b> Cobalt	<b>N</b> Nitrogen	<b>V</b> Vanadium
	<b>Cu</b> Copper	<b>Na</b> Sodium	<b>W</b> Tungsten
	<b>F</b> Fluorine	<b>Ni</b> Nickel	<b>Zn</b> Zinc
	<b>Fe</b> Iron	<b>P</b> Phosphorus	<b>Zr</b> Zirconium
	<b>Ge</b> Germanium	<b>Rb</b> Rubidium	<b>Se</b> Selenium
ELEMENTS	VITAMINS	AMINO ACIDS	
<b>Bi</b> Bismuth	Vitamin A	Alanine	Proline
<b>Be</b> Beryllium	Vitamin B1	Arginine	Serine
<b>Cb</b> Niobium	Vitamin B2	Aspartinic acid	Threonine
<b>Cr</b> Chromium	Vitamin B12	Citrullin	Tryptophan
<b>Cs</b> Caesium	Vitamin C	Cystine	Tyrosine
<b>Ga</b> Gallium	Vitamin D	Glycine	Valine
<b>Id</b> Indium	Vitamin E	Glutaminic acid	
<b>Ir</b> Iridium	Riboflavin	Histidine	
<b>Pd</b> Palladium	Niacin	Isoleucine	
<b>Pl</b> Platinum	Choline	Leucine	
<b>Th</b> Thorium	Orotene	Lysine	
<b>Br</b> Bromine	Pantothene	Methionine	
<b>Ce</b> Cesium		Ornithine	
<b>Rh</b> Rhodium		Phenylalanine	

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# NUTRISAM® IN CATTLE

The results obtained from a feeding experiment with twin cows confirm the assumption that our best rations are still not complete and that Nutrisam® with its great variety of minerals may be the valuable answer to balance or remedy the deficiencies.

The experiment was carried out on two farms in Central Norway, using 7 pairs of identical twin cows. It lasted 7 years and covered 23 lactation periods in the test and control groups. The twins were fed identical rations.

RESULTS IN 7 YEARS:	NUTRISAM®	CONTROL	PERCENTAGE
4 % fat corrected milk average milk production	78.172 kg	73.175 kg	+ 6,8%
Per lactating period	3.399 kg per cow	3.182 kg per cow	+ 6,8%
Lodine content in milk	600µ	400µ	
Frequency of mastitis	1 case	9 cases	proportionally

Improvement of reproductive performance, reduction in the number of services required per conception and an increase of "no return" were indicated for the treated group.



## Nutrisam® in Dairy and Beef Cattle

- ✓ More efficient feed utilization, less feed required
- ✓ Increases regularity and heat cycles
- ✓ Improves conception rates and increases number of healthy births by reducing complications for cows and calves
- ✓ Fewer problems caused by dietary deficiencies like metabolic disorders e.g. like milk fever, abortions and fertility
- ✓ Milk fever is usually averted by feeding Nutrisam® for 3-4 months before calving

## Nutrisam® in Dairy Cattle

- ✓ Increases milk yield from poor animals
- ✓ Increases butter fat content in milk
- ✓ Increases iodine and vitamin A content in milk
- ✓ Minimizes production losses during stress periods
- ✓ Prolongs lactation periods in poor animals
- ✓ Increases hemoglobin content in the blood



## Nutrisam® in fattening Steers

Algal supplementation has considerable potential as a means to improve meat texture and flavor by fattening steers

- ✓ Increases weight gain on less feed
- ✓ Reduces calculus
- ✓ Improves digestion
- ✓ Improves immune system



## Nutrisam® in Sheep

Nutrisam® is a natural feed supplement that raises the level of production and performance, increases the appetite, improves digestion ability and creates healthy and woolly coats. It helps regulate heat cycles, increases the number and durability of sperm and improves the rates of conception and normal healthy lambs.



Feeding the natural feed supplement **Nutrisam®** increases the utilization of each ingredient included in the feed ration and thus improves the overall health and performance of animals.

- ✓ Increases weight gain
- ✓ Improves conception rate
- ✓ Facilitates lambing
- ✓ Improves wool quality

## NUTRISAM® FOR SWINE

One of the main feed market areas where algae may have a valuable application is the swine industry.

- ✓ Better fertility
- ✓ More piglets and more survivors
- ✓ Low stress and cannibalism
- ✓ Improved feed conversion rate
- ✓ Better health status



Natural Feed Supplement  
from the Sea!

## NUTRISAM® IN POULTRY

Observations by farmers and breeders as well as controlled comparative testing indicate the following specific benefits from feeding **Nutrisam®** natural feed additive. Algae have been proven to enhance the immune system of animals, increase gut health, increased digestive efficiency and protection against mycotoxins.

### *Nutrisam® in Broilers*

- ✓ Reduces mortality in a standard situation
- ✓ Improves feathering
- ✓ Low aggressions, stress and cannibalism
- ✓ Improves taste and tenderness of meat
- ✓ Improves general health and resistance to disease
- ✓ Increases weight gain on less feed



### *Nutrisam® in Layers and Parent Stock*

- ✓ Increases fertility and hatchability of eggs
- ✓ Increases of iodine content and yolk pigmentation in eggs
- ✓ Reduced breakage due to a more uniform and solid shell texture

### *Nutrisam® in Turkeys*

**Nutrisam®** has the same effect on turkeys as on other poultry.

## NUTRISAM® IN AQUACULTURE

It contains natural amino acids that stimulate *feeding* in marine animals. **Nutrisam®** complements with its richness of the ocean healthy feed **for aquaculture**. Fish like salmon, sea bass, tilapia and **shrimps** (monodone) enjoy better health and growth.

- ✓ Optimization of shrimp cultivation
- ✓ Reduction of health risk and mortality
- ✓ Reduction in fishmeal possible



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# NUTRISAM®

Natural Feed Supplement from the Sea

- ✓ **Nutrisam®** is a new idea to complete the insufficiencies in feed for livestock and poultry.
- ✓ **Nutrisam®** is made of sea algae, based on *Ascophyllum nodosum*, and has been used throughout the world as a rich source of non-toxic, organic storehouse of over 60 naturally macro and micro nutrients including vitamins, amino acids, minerals and trace elements.
- ✓ **Nutrisam®** feed additive is the most economical way to provide animals and birds with a naturally balanced, chelated mineral and vitamin supplement which satisfies the need in animals and birds for trace elements lacking or being of low dosage in mixed feeds, pastures and other forages.
- ✓ **Nutrisam®** helps to save the inclusion of prophylactic antibiotics in feed mixes. Fishmeal can be reduced in most diets.
- ✓ **Nutrisam®** strengthens the immune system of animals and birds and, due to improved enzyme action in the digestive system, the feed is better utilized and feed conversion improved.
- ✓ **Nutrisam®** gives extra profit to farmers.

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Nutrisam® is produced by:



**Neomed Pharma GmbH** is a limited company incorporated since 1980 under the laws of the Federal Republic of Germany. The corporate staff of Neomed Pharma GmbH disposes of competent expertise in the development and application of natural environment compatible consumer products.

**Neomed Pharma GmbH** is selling its agricultural, human and animal products on algae basis world wide.

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