



**PRODUCTS TO
LOOK OUT FOR
IN SUMMER 2007**

- **Nutribio Fertility Buffer**
- **Nutribio TMR G**
- **Broxo Salt (Water Treatment)**
- **Titan Organic Seaweed**
- **Nutribio Sports Mobility Block**
- **Nutribio Horse Block**
- **FlowTrace (essential Trace Element range)**



Broxo salts for efficient water softening

Buffer Feeding this Grazing Season

The popularity of Buffer feeding is on the increase in Ireland due to a number of factors including the rising cost of feed concentrates. With cows out on grass at this time of year there a number of issues that can arise one such issue that cows experience at grass is an effective shortage of energy almost entirely due to relatively low intakes of forage from grazing. The consequences of this can be as follows

- Excessive loss of condition in early lactation – often undetected until well advanced.
- Poor fertility – difficulties going back into calf.
- Poor milk protein production
- Shortened lactation

in a convenient and cost effective solution. One of the main difficulties with Buffer feeding can be the issue of spoilage. Once the TMR mix



has been prepared the feed usually only lasts for one day before moulds and bacteria start to grow. Nutribio have the perfect solution to this problem. The solution lies in a specialty liquid feed preservative (known as **Nutribio TMR G** please see ad below)

Also in the Nutribio Buffer Feeding range is the Nutribio Fertility Buffer Mineral.

Nutribio Fertility Buffer

Has been formulated for buffer feeding with grass or corn silages at grass.

The mineral supplies magnesium to aid in the prevention of grass tetany. It also contains a full compliment of Trace Elements and Vitamins including chelated Copper and Zinc to enhance fertility.



Buffer feeding aims to overcome these difficulties

Nutribio TMR G - Feed Preservative

Take the hassle out of preparing your TMR mix with the use of Nutribio's TMR G. TMR G is a specialty liquid feed preservative that contains Glucose precursors which help increase the energy level of the TMR Mix in addition to preserving the mix for up to 3 days. Allowing you to prepare your TMR mix just twice a week.

The benefits of using TMR G include:

- Increased feed intakes
- Reduction on the risk of Ketosis
- Stabilisation of the temperature of the mix (keeps it cool)

- Easy to apply due to its liquid form.
- Helps prevent the growth of moulds and yeasts.
- Increases profitability of home grown feeds.
- Keeps the TMR mix fresh and palatable.

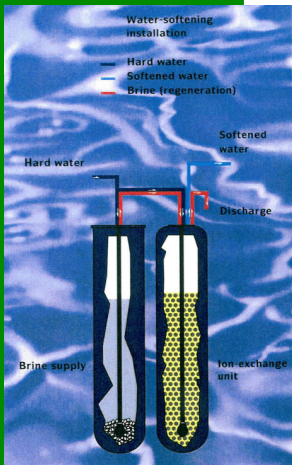
TMR G is available in 210 litre barrels with a recommended usage rate of 3 litres per tonne.



**Feed TMR G
from as little as
6cent/hd/day**



Broxo Salt - Water Treatment



Broxo salts for efficient water softening

Many areas in Ireland encounter problems with hard water, Nutribio carry a range of Broxo water treatment salts to help combat this hard water issue.

Hard water contains excessive amounts of dissolved calcium and magnesium ions. Where hard water is used lime deposits (scaling) can reduce the

lifetime and (heating) performance of appliances, pipes and plumbing Nutribio Ltd have three Broxo products available Broxo 6-15, Suprasel 1-3 and new to the range Broxetten Tabs. All

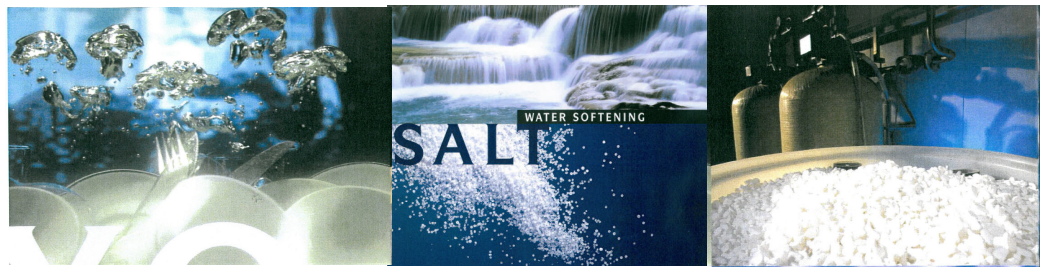
“Hard water can cost you money”

Broxo products are produced from the highest quality salt and are free from additives. Due to the fact that Broxo Salt products are compacted under high pressure conditions the products dissolve evenly and gradually which effectively eliminates

the need to clean the storage tank and helps avoid expensive maintenance costs.

Broxo products are suitable for the production of drinking water and are applicable to both domestic and industrial installations.

So for carefree and optimal operation of your water softening equipment why not try the Broxo Salts range available from Nutribio or your local store or merchant.



Titan Organic Seaweed Block



There are a growing number of research findings to support the importance of including seaweed in many animals diets.

One such study found that the inclusion of seaweed led to an improvement in the Immune system of the animal helping them become more disease resistant and could even aid in the reduction of shipping stress. Seaweed has even been known to help reduce the risk of E-Coli in cattle.

The high levels of Iodine in seaweed have also been known to help reduce the risk of Thyroid conditions such as enlarged thyroid glands.

Nutribio’s Titan Organic Seaweed block contains over 60 minerals and Trace Elements and is rich in Amino Acid vitamins and growth factors. Due to being rich in amino acids. Vitamins, minerals and trace elements is one of the key reasons seaweed is known as a great promoter of glandular health, especially for the pituitary, adrenal and thyroid glands.

The high levels of iodine also acts as an antibiotic and helps to kill germs.

Seaweed can help prevent: birth defects, goiter and pituitary/thyroid problems to name but a few . In addition to seaweed the Nutribio Organic Seaweed Block also contains Magnesium, Calcium and Phosphorus and is available in an 18kg block.

Recommended Feeding Rates

Animals	One 18kg block	Per/head/day
Cows	Per week for 10 animals	250g/hd/day
Store Cattle	Per week for 15 animals	170g/hd/day
Heifer	Per week for 15 animals	170g/hd/day
Ewes	Per week for 100 animals	25g/hd/day
Lambs	Per week for 120 animals	150g/hd/day

Nutribio Joint Protect Horse Block

Sports Formulation

Nutribio are proud to announce the launch of the newest addition to our already successful horse mineral range, Nutribio Joint Protect. This new horse block has been formulated to meet the needs of today's Sports horse in line with NRC guidelines.

In addition to offering the complete mineral and vitamin solution to your sports horse the block also contains a number of unique key ingredients that help keep

your horse in peak condition, protecting supple joints and enhancing mobility.

**With Chondroitin,
Glucosamine, MSM and
Essential Amino Acids**

These key ingredients include, MSM, Glucosamine and Chondroitin Sulphate. These ingredients work in conjunction with one another

to repair and regenerate damaged cartilage, act as an anti-inflammatory aid, help prevent the onset of osteoarthritis and help to build stronger joints.

The inclusion of yeast in the block also acts as an aid in the prevention of Hind Gut Dysfunction.

The block is suitable for use with all Sports/Event horses.

New



Nutribio Horse Block



Is a highly palatable mineral vitamin and trace element supplement., it contains a comprehensive range of vital vitamins and minerals that form part of a healthy horses diet.

The block is designed to be fed to all types of horses in light to medium work and to unsupplemented mares and young stock on pasture alone.

It is particularly suited to horses

on pasture as they can face a serious dietary problem.

Research has shown that from the first week in June every year, there is a dramatic fall in copper and zinc levels in grass. When a block is made available to the horses at this time the consumption of it increases five fold.

The block contains Vitamins, A,D, E, B1, B2, B6, B12 and K and also

the all important Biotin and Folic Acid.

It also contains the following minerals, Calcium, Phosphorus, Magnesium, Sodium, Copper, Iodine, Selenium, Manganese, Zinc and Cobalt.

You should allow 1 x 12kg block per 5 x 500kg animals in a 20 day period.



Nutribio FlowTrace Range

The Nutribio Flowtrace Range of essential trace elements can be used throughout the year to keep your cows in peak condition.

The range is available in concentrated 25 litre drums and is added to the animals water supply either through a water dispenser or a proportioner pump.

Due to the fact that animals drink up to 5 times more often per day than they eat, supplementing their trace elements through their drinking water is an easy and convenient way of ensuring that

the animals trace element needs are being met at the optimum levels.

The FlowTrace range is extremely flexible and allows you to choose either a combination or single trace element options.

The Range includes

- **FlowTrace 2:** which contains Iodine and Selenium.
- **FlowTrace 4:** which contains Iodine, Selenium, Copper and Cobalt.

- **FlowTrace 6:** which contains Iodine, Selenium, Zinc, Copper, Manganese and Cobalt.
- **FlowTrace Copper**
- **FlowTrace Iodine**
- **FlowTrace Selenium**
- **FlowTrace Zinc**

(All of the FlowTrace Range are dilutable please consult the product packaging for instructions)

**Providing Trace
Elements from
as little as 2c per
head per day**



Buffer Feeding Guidelines

Grassland management has been difficult this year mainly due to weather conditions. Target grass heights and quality, digestibility and dry matter have been vary variable giving rise to drops in production and milk quality. Drops in production have been as great as 18% in June. With milk price up 4.4 cents/litre extra milk quota is available persistency in milk production is critical from June to November to maximise income. With concentrates costing €206.00 to €215.00 per ton or €232.00 to €242.00 per ton of dry matter respectively what options has the farmer?

By having a high quality buffer of a digestibility of DMD 76% plus, the cost of buffer with 1kg of cereals is €125.00 to €140.00 per ton of dry matter. Analysis of grass silages conserved by farmers this year (May 2007) for buffering can be seen in table 1. The quantity of total buffer being fed by farmers 3kgs Dm to 5kgs Dm per cow per day.

The benefits are;

- Maximising total dry matter intake economically.
- Control of liveweight loss giving rise to better fertility.
- Persistency of milk yield with good composition.

Table 1

		Grass Silages- Buffer Feeding Samples			
		1	2	3	4
DMD	%	76	74	82	77
ME	MJ/kg	11.2	10.7	12.3	11.4
NDF	%	46.2	51.5	46	50
CP	%	16.9	16.4	16	19.1
pH		4.2	4.1	4	4.2
DM	%	20	32	20	27.4



A profitable approach to animal nutrition

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