

PRODUCED IN IRELAND BY:



EQUINE NUTRITIONAL SUPPLEMENT CATALOGUE



AMACRON EQUINE
Providing Safety, Wellbeing and Comfort for Your Horse

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A DIVISION OF



AMACRON
TECHNOLOGIES



GUT NUTRITION FORMULA – PELLETS

WHAT IS GNF?

GNF (Gut Nutrition Formula) is a unique supplement, for daily feeding to horses prone to gastric disturbances. GNF plays a role in maintaining optimum gut health and function, allowing maximum utilisation of feed.

WHAT IS IN GNF PELLETS?

- **Fructooligosaccharides** – a prebiotic which feeds the beneficial bacteria in the hind gut.
- **Glutamine** – an important amino acid for the repair of epithelial cells.
- **Threonine** – an amino acid, if restricted may limit intestinal mucin synthesis.
- **Calcium Carbonate and Magnesium Hydroxide** – these alkaline materials neutralize excessive Ph.
- **Seaweed Extract** – this creates a floating raft of gel which protects the non glandular part of the stomach.
- **Minerals:** GNF contains both **Calcium and Magnesium:** two components which are key nutrients in maintaining a healthy digestive system.

WHY ARE GASTRIC ULCERS SO COMMON?

Up to 93% of Racehorses and 60% of Sports horses have been found to suffer from ulceration after endoscopic examination (Hammond et al [1986]).

Other reasons for the high prevalence of gastric ulcers can be attributed to high concentrate/low forage diets; stall confinement; stress induced by exercise; mixing with strange animals and introduction to new surroundings.

Foals may also become extremely stressed at weaning due to diet change and separation from the mare which can initiate the formation of gastric lesions.

Proper nutritional support is a vital component in ensuring that valuable competition horses maintain a healthy digestive system during training.

WHAT ARE THE SYMPTOMS?

All or any of the following may indicate EGUS:

- Loss of condition, appetite and weight loss.
- The “poor do-er” that you can’t get right.
- Staring, dull coat or colic symptoms.
- Reduction in performance and stamina.
- Stable vices: wind sucking or crib biting, unsettled in training.
- Sour disposition, avoiding hard feed – preferring hay.

These symptoms are the results of physical discomfort and inefficient utilisation of nutrients due to lesions on the gastric endothelium.



Presentation: 3 kg & 10 kg.

FEEDING INSTRUCTIONS – GNF PELLETS

GNF pellets should be added to the normal feed ration.

Adult Horses: Feed 50g twice daily.

Ponies & Foals: Feed 25g twice daily.

Fresh drinking water should be available at all times.

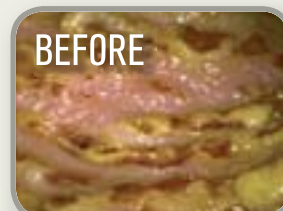
Complementary feed–stuff for horses.

COMPOSITION – GNF PELLETS

COMPOSITION – GNF PELLETS	per 100g	per 1 kg
Calcium Carbonate	20,000mg	200,000mg
Magnesium Hydroxide	10,000mg	100,000mg
Seaweed Extract (from Laminaria Hyperborea)	10,000mg	100,000mg
Fructo-oligosaccharides	10,000mg	100,000mg
Glutamine	3,800mg	38,000mg
Threonine	4,720mg	47,200mg
Excipients and Binders(Full Fat Soya, Kaolin)	41,480mg	414,800mg

TRIALS ON HORSES TREATED WITH GNF

The image (below left) is of a gastroscopic examination, which shows the severely ulcerated stomach lining of a horse before being fed with GNF. The image below right is the same horse after six weeks of GNF supplementation.





GUT NUTRITION FORMULA – PASTE

WHAT IS GNF Paste?

GNF Paste is a complementary feed-stuff which is suitable for feeding to horses suffering from gastric disturbances exhibiting as depressed appetite, weight loss, poor performance, or cribbing. GNF Paste is also very helpful for newborn foals, to establish the micro bacteria in the hindgut, reducing the risk of dangerous scours and preparing the digestive tract for healthy function.

WHY USE GNF Paste?

Horses in work: The purpose of GNF is to allow the horse's stomach to function in the normal way, optimising the entire digestive tract, including the hindgut. GNF contains a prebiotic which supports the micro bacteria in the hindgut, enabling absorption of nutrients and improving condition. The effects of GNF are particularly marked in animals which struggle to keep or are losing condition.

Newborn foals have an immature immune system and are very susceptible to viruses or bacteria. It is important to gain the upper hand by feeding the beneficial bacteria in the hindgut, establishing good health from day one. PREVENTION IS BETTER THAN CURE. Dehydration is also a major problem with young foals that have diarrhoea, and GNF paste will limit the risks associated with diarrhoea.

WHAT IS IN GNF PASTE?

GNF contains all the same active ingredients as GNF Pellets, with the added benefit of:

- **Slippery Elm** – rich in mucilage, it will soothe inflammation internally, the action of slippery elm is gentle and will not harm the most sensitive of horses.



Presentation: 28 x 80 g oral syringe per box.

FEEDING INSTRUCTIONS FOR GNF PASTE:

Newborn Foals: Feed 20g morning, 20g evening for four days, so you only require two syringes over four days to establish a foal.

Other horses:

- After completion of the recommended veterinary treatment for Gastric ulceration feed two 80g servings per day of GNF Paste for 14 days (one 80g serving in the morning prior to feeding, and one 80g serving prior to the evening feed)
- GNF Paste can be fed for maintenance of a healthy digestive tract by feeding one 80g serving per day (40g in the morning prior to feeding, and 40g prior to the evening feed.)

Alternatively as a maintenance nutritional adjunct, feed 100g of GNF Pellets per day, divided between the meals.

"At Greg Eurell Thoroughbred Racing we feed GNF as it ensures our horses are well from the inside out. Our horses are eating up happily, keeping condition better, and are overall much brighter and more relaxed when on the GNF. We have not had an issue with ulcers and have gone completely off other ulcer products, which is saving us money. The GNF keeps the entire digestive system in top condition. We would highly recommend GNF to anyone with performance horses – It works!"

Greg Eurell, Cadet Lodge, Cranbourne, Victoria

COMPOSITION – GNF PASTE

COMPOSITION – GNF PASTE	per dose 80g	per 1 kg
Calcium Carbonate	10,000mg	200,000mg
Magnesium Hydroxide	5,000mg	100,000mg
Seaweed Extract (from Laminaria Hyperborea)	5,000mg	100,000mg
Fructo-oligosaccharides	5,000mg	100,000mg
Slippery Elm extract	4,000mg	
L-Threonine	2,350mg	47,200mg
Glutamine	1,900mg	38,000mg



THE ULTIMATE SUPPLEMENT FOR HOOVES



Presentation: 3 kg & 10 kg.

FEEDING INSTRUCTIONS

Hoofmaker pellets should be added to the normal feed ration.

Adult Horses: 50 g (1 heaped scoop) every day.

Ponies & Foals: 50 g (1 heaped scoop) every second day.

For best results it is recommended to feed Hoofmaker for 180 days. New improved hoof growth will be evident near the coronary band after just one month.

Complementary feed-stuff for horses.

COMPOSITION –HOOFMAKER

COMPONENT	Per dose (50 g)	Per 1 kg
Methionine	6,000 mg	120,000 mg
Biotin	37.5 mg	750 mg
Calcium	5,105 mg	102,108 mg
Copper	120 mg	2,400 mg
Histidine	200 mg	4,000 mg
Zinc	600 mg	12,000 mg
Glycine	455 mg	9,100 mg
Proline	340 mg	6,800 mg
Isoleucine	170 mg	3,400 mg
Glutamic Acid	1,465 mg	29,300 mg
Alanine	295 mg	5,900 mg
Arginine	650 mg	13,000 mg
Aspartic Acid	625 mg	12,500 mg
Cystine	95 mg	1,900 mg
Lysine	335 mg	6,700 mg
Leucine	395 mg	7,900 mg
Phenylalanine	285 mg	5,700 mg
Serine	375 mg	7,500 mg
Threonine	235 mg	4,700 mg
Tyrosine	220 mg	4,400 mg
Valine	215 mg	4,300 mg

WHAT IS HOOFMAKER?

Hoofmaker provides all the essential nutrients necessary to protect and nourish every layer within the hoof horn, ensuring optimal growth and improved integrity of the hoof.

The hoof: the foundation of the horse, is a highly specialised horny shell composed of three layers; the stratum externum; medium; and internum. The hoof covers sensitive bone and soft tissue, and its primary function is to protect these underlying structures and increase the surface area for force dissipation.



If you do not notice any improvement after using one bucket of HOOFMAKER, we will refund your full purchase price.

WHAT IS IN HOOFMAKER?

- **Methionine** – a sulphur rich amino acid, vital for optimum keratinisation, and structural integrity of the hoof wall.
- **Biotin** – essential for the production of keratin sulphate. Biotin deficiency can be one of the major causes of cracks and brittleness in the hoof wall.
- **Calcium** – essential mineral for keratin stabilisation and cohesion in the hoof wall. Research indicates that a calcium deficiency can pre-dispose hooves to weakness, brittleness and cracks originating at the coronary band.
- **Zinc** is paramount for the proper healing of all epidermal tissue, especially the hooves.
- **Amino Acids** are the building blocks of protein – which are essential constituents of hoof horn.

"I have many customers using Hoofmaker who are very happy with the results achieved from feeding this supplement. I have made two presentations at the International Hoof Care Summit in Cincinnati, Ohio USA on hoof wall recovery and I cannot believe the results from feeding Hoofmaker. I am impressed with how quickly it promotes both strong & healthy hoof growth, therefore I have no hesitation in recommending Hoofmaker as a highly effective product. Hoofmaker is also user friendly as it comes in pellet form making it both palatable & easy to use."

**Endorsed by Neville Wright –
Farrier based in Bobinawarra, Victoria**



BALANCED SYRUP TO REPLACE LOST ELECTROLYTES



Presentation: 3.75 L, 10 L.

FEEDING INSTRUCTIONS

SUPERLYTE SYRUP

Horses in training: Feed 80 ml per day.

Post race/competition: Feed 160 ml post-race/competition.

Fresh drinking water should be available at all times.

Complementary feed-stuff for horses.

COMPOSITION – SUPERLYTE

<i>SUPERLYTE SYRUP</i>	<i>per 80 ml</i>	<i>per 1 L</i>
Chloride	3,430 mg	42,875 mg
Sodium	3,440 mg	43,000 mg
Potassium	1,720 mg	21,500 mg
Calcium	539 mg	6,738 mg
Magnesium	270 mg	3,375 mg
Glucose	20,000 mg	250,000 mg
Excipient to	80 ml	1 L

WHAT IS SUPERLYTE SYRUP?

2:2:1 Superlyte Syrup is a highly palatable, easily absorbed balanced electrolyte replacer syrup for all horses in work, designed to rapidly replace electrolytes in exactly the same ratio as they are lost in equine sweat.

2:2:1 SUPERLYTE SYRUP is specially formulated:

- **BALANCED** – Exactly matches the mineral profile of sweat lost by horses training and competing in high intensity short duration physical exercise.
- **LIQUID** – Quick and easy to use, mixes well with all types of feed.
- **PALATABLE** – Natural peppermint flavour.
- **COST EFFECTIVE** – Ideal for large training yards.
- **EASILY ABSORBED** – Glucose enhances the absorption of electrolytes.

WHY USE SUPERLYTE?

When horses perform high intensity short duration physical exercise, they lose considerable amounts of body fluids through sweating. These horses lose electrolytes in the ratio of 2 Sodium : 2 Chloride : 1 Potassium. Hence the name 2:2:1 SUPERLYTE.

Scientists have shown that horses racing over distances of 1 to 2 miles (1,600 to 3,200 metres) may lose up to 10 litres of body fluid through sweating. Further electrolyte losses will also occur through daily exercise and particularly during hot weather.

Deficiencies in electrolytes can lead to under performance, dehydration, muscle cramping ('tying-up') and/or heat exhaustion. Regular electrolyte supplementation is vital for a horse's well being and optimum athletic performance.





ENHANCES BONE CALCIFICATION, SUPPORTS CARTILAGE FORMATION



Presentation: 3 kg & 10 kg.

FEEDING INSTRUCTIONS

CALPHORMIN should be added to the normal feed ration.

Mare In Foal (months 9, 10, 11): 120 g per day.

Lactating Mare: 120g per day.

Weanling (6-12 months): 60g per day.

Yearling: 60g per day.

Two Year Old: 60g per day.

Complementary feed–stuff for horses.

COMPOSITION

ESSENTIAL TRACE ELEMENT	Per 120g	Per 1 kg
Calcium	22,832 mg	190,268 mg
Phosphorous	8,002 mg	66,685 mg
Sodium Zeolite P	10,008 mg	83,400 mg
Methylsulfonylmethane	1,560 mg	13,000 mg
Zinc	578 mg	4,820 mg
Manganese	309 mg	2,573 mg
Copper	100 mg	834 mg
Lysine HCl	12,480 mg	104,000 mg
Amino Acids	5,945mg	49,544 mg

EVER HAVE THE FOLLOWING WITH YOUR YOUNG STOCK?

- Shin Sore
- Inflammation of the joint
- Pain in the joint

WHAT IS CALPHORMIN?

CALPHORMIN is unique in that it contains a balanced combination of macro-minerals, trace minerals, amino acids and the added benefit of Sodium Zeolite a bioavailable silicon-containing compound. When you bring a young 2 year old into work, their bones are immature and therefore they often go "shin sore". CALPHORMIN is designed to help with this in speeding up the calcification of the bones.

The foundations for a horses future success can be laid down very early, by ensuring the young working horse is received the correct balance of nutrition to maximise bone and connective tissue maturity. By doing this you will likely also reduce the chances of major joint issues later in it's working life.

CALPHORMIN will give the young horse the best start it can get. Continuing to feed the young, rapidly growing horse CALPHORMIN will optimise its growth and bone development, in a correct and balanced way.

WHY USE CALPHORMIN?

CALPHORMIN provides for the elevated requirements of the essential nutrients needed for optimum skeletal development in young growing horses.

- The principal utilisation of CALCIUM AND PHOSPHOROUS in the body is the development of bones and teeth. Horses are more likely to suffer from a lack of Calcium and Phosphorous, than from a lack of any other mineral.
- SODIUM ZEOLITE is a bio–available Silicon-containing compound. Silicon enhances bone calcification and is present in large quantities in connective tissue. Silicon is associated with collagen formation, the fibrous protein matrix which provides support for body structures such as cartilage and bones.
- LYSINE is the first limiting amino acid in the diet of growing foals. Inadequate protein or Lysine intake results in decreased growth and development of young animals.
- ZINC, COPPER and MANGANESE, are essential trace minerals, deficiencies of which are associated with:
 - Increased incidence of Epiphysitis
 - Increased incidence of Developmental Orthopedic Diseases (DOD).
 - Impairment of carbohydrate metabolism and synthesis of Chondroitin Sulphate.
- MSM is a source of bio-available sulphur. Sulphur is needed for the synthesis of connective tissue.



DIGESTIVE AID AND Ph BALANCER



Presentation: 4.5 L & 20 L.

FEEDING INSTRUCTIONS

All horses: Feed 60ml per day.

Ponies and foals: Feed 30ml per day.

Complementary feed-stuff for horses.

WHAT IS CURRAGH CARRON OIL?

CURRAGH CARRON OIL is a balanced blend of Essential Fatty Acids (EFAs) derived from a high quality, cold pressed Linseed Oil, fortified with Calcium Hydroxide.

The Essential Fatty Acids (EFAs) Omega 3 and Omega 6 are both critical for health, and have important structural and functional roles in the body. In particular the conversion products from the Omega 3 fatty acid Alpha-linolenic include eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA.) Research has shown that providing EPA and DHA in the diet reduces inflammatory responses, assisting in the maintenance of a healthy circulatory system.

- Fed daily, will improve the skin and coat condition giving a healthy bloom and look of vitality.
- Fortified with Calcium Hydroxide which assists the digestive process.
- An ideal feed oil when changing feeds (e.g. from a soft feed to a hard feed.)
- Assists to lubricate the digestive system.
- A valuable source of energy: more calories into the feed ration while reducing the volume of feed for colic-prone, insulin-resistant and laminitis affected animals.
- A major source of Essential Fatty Acids (EFAs) in particular Omega 3 and Omega 6. Horses cannot produce these fats naturally, and very few stabled horses have access to a natural feed supply with balanced EFAs.

COMPOSITION

ESSENTIAL TRACE ELEMENT	Per 1 L
Calcium Hydroxide Solution	518 g
Linseed Oil	432 g
<i>Of which:</i>	
Linolenic (Omega 3)	233.28 g
Linoleic (Omega 6)	69.12 g
Palmitic	21.17 g
Stearic	15.55 g
Oleic (Omega 9)	90.72 g

SANDXPELL



PSYLLIUM HUSK + KAOLIN + LINSEED OIL



FEEDING INSTRUCTIONS

Add to normal feed ration. **For Horses:** Add 70g twice daily for 7 consecutive days each month.

Ponies, Yearlings & Weanlings: Add 35g twice daily for 7 consecutive days each month.

A scoop is included in the pack –one scoop = 70g.

WHAT IS SANDXPELL?

SANDXPELL is a complementary feed-stuff for horses containing psyllium husk, a bulk forming fibre. It is suitable for feeding as a nutritional adjunct to horses grazing on sandy soil, or horses spending significant time in sand arenas.

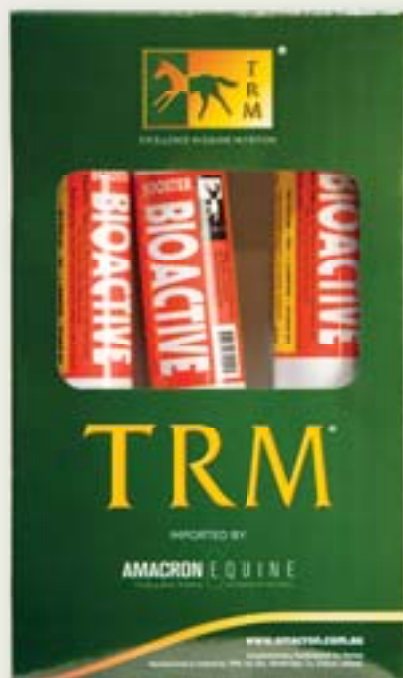
- Supports the removal of sand in the Hindgut;
- Essential for horses on sandy soil;
- Veterinarian recommended;
- Psyllium Husk – a bulk forming fibre;
- Feed for one week every month.

COMPOSITION

ADDITIVES	Per kg
Psyllium Husk, Soya Beans (extruded), Linseed Oil	
Kaolin	220,500 mg
Lignosulphonate	50,000 mg



PRE-RACE ENERGY BOOSTER SYRINGE



Presentation: 3 x 60 g single dose oral syringe.

FEEDING INSTRUCTIONS

A three-day course, one syringe daily prior to racing.

BIOACTIVE has a cumulative effect, therefore for optimum results regular use of BIOACTIVE is recommended.

Complementary feed-stuff for horses.

CAUTION

Care should be used in using this product prior to any dressage event as the animal may become too "keen."

If someone is considering BIOACTIVE in three-day eventing, it would be wise to try the product before competition to assess the effect on performance in the dressage discipline. It will improve response and performance, but may make the horse too lively to handle.

COMPOSITION – BIOACTIVE

COMPONENT	Per dose (60 g)	Per 1 kg
Trimethylglycine	7,738 mg	128,967 mg
Vitamin B12	1,110 mcg	18,500 mcg
L-Carnitine	3,868 mg	64,467 mg
Bee Pollen	16,900 mg	281,667 mg
Excipient (Honey) to	60 g	1 kg

USE BIOACTIVE FOR BEST RESULTS

BIOACTIVE is a scientifically formulated combination of natural raw materials. Each of these ingredients have been chosen for their individual energy and vitality giving properties. BIOACTIVE combines Bee Pollen, TMG, L-Carnitine and Vitamin B12 in a convenient dosing syringe to ensure your horse 'stays the distance'.

THREE REASONS WHY YOU SHOULD USE BIOACTIVE

- BIOACTIVE won't appear on a swab test.
- Plays a role in improving speed and stamina.
- Designed to improve post race recovery, making it more ready to race again sooner.

BENEFITS OF USING BIOACTIVE

- Aids utilisation of lactic acid and reduces muscle cramping.
- Has a role in increasing speed.
- Optimises neural transmission and energy ability.
- Enhances the release of energy.
- Supports physical and mental well being in your horse.
- Promotes an aggressive appetite and has a role in blood cell production.
- Helps the body to use fat as a source of energy rather than depleting muscle.

WHAT IS IN BIOACTIVE?...

Trimethylglycerine (TMG) – A natural ingredient which provides the following benefits:

- Enhances the oxygen carrying capacity of red blood cells
- Improves utilisation of lactic acid which reduces muscle cramping.
- Provides methyl groups for the biosynthesis of Acetyl Choline which is necessary for neural transmission and the re-synthesis of ADP (Adenosine Diphosphate) to ATP (Adenosine Triphosphate) in the breakdown of carbohydrates to release energy.

Vitamin B12 – Plays a key role in the production of red blood cells but in this application the main purpose is to maintain aggressive appetite.

Bee Pollen – Bee Pollen is thought to enhance energy release and increase stamina.

L-Carnitine – An amino acid whose concentration in plant and grain material is relatively low. Horses synthesise it in the liver from Lysine and Methionine but not in the quantities to support optimum levels of athletic performance.

The most important function of L-Carnitine is the transport of long and medium chain fatty acids into the cell mitochondria, where they become a readily available source of energy. Mitochondria generate most of the cell's supply of ATP which is a source of chemical energy and it is critically important that fat is being used for energy production, reducing the rate of depletion of muscle glycogen.

Furthermore, by facilitating the maximum utilisation of fat as an energy source, L-Carnitine helps reduce lactic acid build up in muscles during exercise which can help cause "lock up" and muscle fatigue post race.



A CALMING PASTE



Presentation: 3 x 35 g single dose oral syringe.

FEEDING INSTRUCTIONS

- Feed one syringe, by adding to normal feed ration, the morning of a competition.
- Where necessary, feed one syringe the evening before a competition.

Complementary feed-stuff for horses.

COMPOSITION – COOL-IT PASTE

ESSENTIAL TRACE ELEMENT	per 70 g	per 1 kg
Chelated Magnesium (Elemental);	6,300 mg	90,000 mg
L.Tryptophan	3,000 mg	42,890 mg
Niacinamide	300 mg	4,290 mg
Vitamin B1	60 mg	860 mg
Vitamin B2	60 mg	860 mg
Pantothenic Acid	60 mg	860 mg
Folic Acid	38 mg	544 mg
Vitamin B6	30 mg	430 mg
Biotin	1.5 mg	22 mg
Vitamin B12	700 µg	10 mg

COOL-IT PASTE CAN BE USED IN THESE SITUATIONS TO CALM AGITATED HORSES:

- Racetracks, show or sales grounds;
- Fear of traffic;
- Loading or unloading horses;
- Veterinary or shoeing procedures;
- Weaning stress for mare and foal;
- New challenges encountered in the training programme.

WHAT IS COOL-IT PASTE?

COOL-IT Paste is an effective and convenient feed supplement specially designed for nervous, hot or stressed horses. It is highly effective at soothing nervous horses for transport and dressage events.

WHY USE COOL-IT PASTE?

COOL-IT Paste is a comprehensive treatment, containing high levels of Magnesium, Vitamin B and L-Tryptophan: a precursor of serotonin, a natural "feel-good" hormone.

COOL-IT Paste is a highly palatable and effective calming treatment.





IRON & B VITAMIN TONIC



Presentation: 1.18 L & 3.75 L.

FEEDING INSTRUCTIONS

IronXcell should be added to the normal feed ration.

Horses in Training: Feed 60 ml (approx. two fl oz) daily.

Yearlings: Feed 30 ml (approx. one fl oz) daily.

As a General Tonic: Feed 60 ml daily.

Complementary feed–stuff for horses.

COMPOSITION – IRONXCELL

ESSENTIAL TRACE ELEMENT	Per 60 ml	Per 1 Litre
Elemental Iron	150 mg	2,500 mg
Vitamin B1	150 mg	2,500 mg
Vitamin B2	75 mg	1,250 mg
Vitamin B6	25 mg	417 mg
Vitamin B12	150 mcg	2,500 mcg
Niacin	200 mg	3,333 mg
d-Pantothenic Acid	80 mg	1,333 mg
Folic Acid	20 mg	333 mg
Biotin	0.5 mg	8 mg
Excipient Sorbitol to	60 ml	1,000 ml

WHAT IS IronXcell?

The difference between two athletic horses of equal ability is very often the quality of nutrition they receive. Many horses in training are fed a high grain/low forage diet. The digestion of high levels of starch will reduce the pH of the caecum. This can result in the depletion of the B vitamin producing bacteria in the hindgut.

IronXcell contains Sorbitol, which enhances the serum concentrations that result from the oral administration of Vitamin B12. This aids the absorption of iron and B group vitamins.

B complex vitamins are water soluble. Therefore they must be frequently supplemented as they are not stored in the body for any length of time.

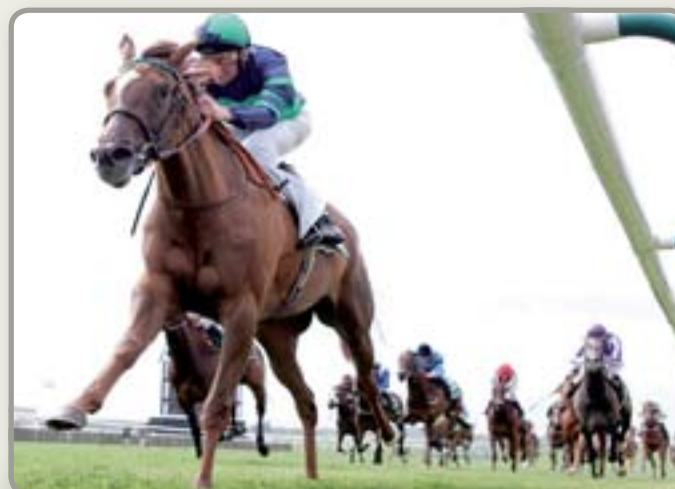
Top performance horses need dietary supplementation of B complex vitamins and Iron, as these nutrients are needed for red blood cell formation and important metabolic functions relating to exercise.

IronXcell will supply these nutrients to fortify and strengthen performance horses, which will ensure that their full athletic potential is expressed in competition.

WHY USE IronXcell?

IronXcell is a premium Iron Enriched B vitamin syrup for top performance.

- IronXcell supplies a concentrated source of Iron and B vitamins which are needed for red blood cell (RBC) synthesis.
- IronXcell is a highly palatable homogenised syrup which is fully in solution for enhanced absorption.
- IronXcell will encourage an aggressive appetite.
- IronXcell is an excellent nutritional tonic for all horses in training and post-antibiotic treatment.





POWERFUL ANTIOXIDANT FORMULA



Presentation: 30 x 50 g sachets.

FEEDING INSTRUCTIONS

Vita-E-Plus should be added to the normal feed ration.

Horses in Training: Feed 50 g per day.

Broodmares & Stallions: Feed 50 g per day.

Weanlings & Yearlings: Feed 50 g every second day.

Complementary feed-stuff for horses.

COMPOSITION – VITA-E-PLUS

ESSENTIAL TRACE ELEMENT	per 50 g	per 1 kg
Vitamin E	2,250 iu	45,000 iu
Vitamin C	2,000 mg	40,000 mg
Selenium	500 µg	10 mg
Vitamin B1	500 mg	10,000 mg
Vitamin B2	100 mg	2,000 mg
Lysine HCl	10,000 mg	200,000 mg
Excipient to	50 g	1 kg



WHAT IS Vita-E-Plus?

When horses are exercised toxic chemicals (free radicals) are released into the muscle tissue. If they are not broken down, these chemicals are harmful to the body, and will impair a horse's athletic performance. Vita-E-Plus contains a concentrated source of natural antioxidants. Feeding Vita-E-Plus will allow horses in training, to maximise their athletic potential.

Vita-E-Plus also contains essential nutrients for broodmares and stallions. Nutritional deficiencies are common during the winter months, as in most instances winter forage does not provide adequate nutrition for high performance and fertility. Feeding Vita-E-Plus will ensure that breeding stock receive a concentrated source of important vitamins, with the additional benefit of the essential amino acid Lysine to fortify young growing stock.

WHY USE Vita-E-Plus?

Vita-E-Plus is a unique feed supplement which combines the antioxidant activity of Vitamin E, Vitamin C and Selenium, with the addition of the essential amino acid Lysine and B Vitamins.

HORSES IN TRAINING

- **Vitamin E and Vitamin C** 'block' the formation of free radicals, the harmful by-products of exercise.
- **Selenium** is a component of the enzyme glutathione peroxidase which helps prevent the formation of free radicals.
- Scientific research has found that feeding high levels of Vitamin E can improve endurance and performance of horses due to their antioxidant activity.
- It has been noted by many trainers that the supplementation of **Vitamin B1 and B2** can help reduce 'tying-up' in fillies.
- Many veterinarians and nutritionists recommend the oral supplementation of Vitamin E and Selenium in the treatment and prevention of nutritional myopathies such as 'tying up' syndrome.

BREEDING STOCK

- Supplementing antioxidant vitamins can help prepare brood mares and stallions for the early winter breeding season, as in most instances winter forage does not provide adequate quantities of these vitamins.
- Researchers have reported that Vitamin E supplementation can enhance the immune response in adult horses and foals.
- The inclusion of **Lysine** in Vita-E-Plus is essential for the nutritional needs of young growing stock.



SUPPORTS HEALTHY LUNGS



Presentation: Powder: 1.5 kg. Paste: 50 g oral syringe.

WHAT IS HEMOREX POWDER?

Intended for use with "bleeders."

Hemorex Powder is a unique dietary formulation of Bioflavonoids, Vitamin K and Vitamin C which is intended for use in race horses. It is estimated that 75% of race horses will bleed from the lungs, at some stage during their career.

Hemorex Powder acts in a number of ways to improve the strength, elasticity and muscular tone of lung arteries, clotting ability of the blood to mend minor vessel ruptures or leakage, and helps in reducing chronic airway inflammation. It can be administered up to and including race or competition days.



WHAT IS HEMOREX PASTE?

Hemorex Paste is specially designed to provide essential nutrients the morning before intensive exercise. It includes Vitamin C a potent antioxidant, and Iron which is required for the formation of haemoglobin, the oxygen carrying molecule in the blood. These nutrients derive from natural plant extracts and are easily absorbed.

FEEDING INSTRUCTIONS

HEMOREX POWDER

All Horses: Feed 50g per day for 10 days. Thereafter feed 25g per day.

To promote and maintain healthy lungs, it is advisable to use **Hemorex Powder** when horses commence training.

HEMOREX PASTE

Feed the contents of one syringe to the horse the morning of intensive exercise either by adding to the normal feed ration, or by feeding directly to the horse.

Complementary feed-stuff for horses.

WHY USE HEMOREX?

Hemorex Powder provides essential nutrients to maintain elasticity and integrity of capillaries which is critical to withstand the stress and strain of racing.

Bioflavonoids will aid horses lungs by three modes of action by:

- lowering blood viscosity thus reducing blood pressure.
- reducing the damage to blood vessels at inflamed sites.
- strengthening and restoring elasticity to the capillaries.
- Bioflavanoids are a source of Hesperidin.

Vitamin K is essential for the formation of prothrombin, and the three other blood clotting proteins.

Vitamin C is a potent antioxidant needed to protect the capillary membranes from oxidation induced damage. Horses over stressed by training and racing often cease to produce ascorbic acid (Vitamin C).

Hemorex Paste is a completely new herbal product which has been formulated to aid micturition (urination). The benefit to the horse is that the waste products and toxins may be removed from the animal's system more quickly.

COMPOSITION – HEMOREX

HEMOREX POWDER	Per 50 g	Per 1 kg
Bioflavonoid Complex	30,000mg	600,000 mg
Vitamin C	600 mg	12,000 mg
Vitamin K	20 mg	400 mg
Excipient (Lactose)	to 50 g	to 1 kg

HEMOREX PASTE	Per 1 kg
Vitamin C	590 mg
Iron	4.3 mg
Zinc	1.5 mg

Derived from natural plant extracts of *Althaea Officinalis* Rad., *Arctostaphylos uva ursi*, *Zea Mays* and *Juniperus communis*.



KAOLIN CLAY TO SOOTHE & COOL TIRED LEGS



Presentation: 5 kg, 11 kg, 20 kg.

DIRECTIONS FOR USE

ROUTINE USE

Apply directly to knees, fetlocks, shins and tendons after periods of training. Spread evenly about 6mm thick.

FOR MORE PROLONGED EFFECT

Wrap with moistened brown paper and bandage. Repeat as necessary after 24 hours.

TO REMOVE

Hose off with water.

COMPOSITION – COOL AS CLAY

Montmorillonites	Glycerine
Aluminium Silicate	Natural Tyme Oil
Sodium Borate	Purified Water

WHAT IS COOL AS CLAY?

Cool As Clay is an internationally acclaimed kaolin cold clay which cools, soothes and tightens hot tired legs.

The cooling action of **Cool As Clay** is ideal for use on hot tired legs. **Cool As Clay** is ready to use, easy to apply and has a superior longer lasting formula, with no need to wrap or bandage, and is easy to wash off.

The legs are the most vulnerable structure of the horse and yet they must withstand enormous pressures and forces of impact during training and racing. No other structure, system or organ can give a trainer so much worry.

Cool As Clay should be used as part of the daily routine, to care for and help maintain trouble free legs.

WHY USE COOL AS CLAY?

Did you know that permanent tendon damage will be the result of overheated tendons if cooling is not done to the horses legs directly after intense workouts?

You should always immediately cool down the legs of any horse performing strenuous work, especially in hot weather or if the horse wears leg wraps or boots during the workout. The reason why many professional trainers apply a cooling clay to the legs is to cool the tendons. There are no muscles in a horse's lower legs. The repeated stretch and recoil of tendon fibres during workouts produces a tremendous amount of internal heat. This temperature of the cores of the tendons can reach a critical threshold, and if this threshold is exceeded, the tendon tissue cells will begin to degenerate and die. Permanent tendon damage will result, if this process is not reversed immediately by rapidly cooling them down.

HOW DOES COOLING CLAY WORK?

The white Kaolin clay in **Cool As Clay** is the mildest of all clays also known as White Kaolin Cosmetic Clay or China Clay. When a cooling clay is first applied, the water within the product hydrates and softens the skin. As the clay dries, the water, heat, fluids and waste products are extracted out of the tissues and into the clay.

By using **Cool As Clay**, you are actually drawing out the heat from within the leg, and the effect is long lasting, so the tendons are cooled quickly, safely and effectively and then kept cool allowing time to repair.

- **Cool As Clay** contains Thyme oil, an essential oil which is a natural antiseptic, making **Cool As Clay** safe to use over minor cuts and abrasions.
- **Cool As Clay** is specially formulated for a longer cooling action, can be used right up to race day, and can be continued for as long as necessary.
- **Cool As Clay** is easy to apply with no need to wrap or bandage, and is easy to wash off.



BALANCED DAILY MULTI-VITAMIN & MINERAL SOLUTION



Presentation: 3.75 L.

FEEDING INSTRUCTIONS

All horses: Feed 60ml per day.

Ponies and foals: Feed 30ml per day.

Complementary feed-stuff for horses.

WHAT IS SpeedXCell?

SpeedXcell is a balanced Multivitamin and Mineral Supplement, fully in liquid solution, for daily feeding to performance horses. It will assist them in maintaining optimum health and maximising their athletic potential. The formulation comprises 20 key nutrients and includes the fat soluble vitamins A, D and E together with the full spectrum of B vitamins. It also provides 120mg of iron in each daily dose plus the trace elements Copper, Zinc, Iodine, Cobalt and Selenium, all in the form of glutamates which are soluble and readily and efficiently absorbed from the gastro-intestinal tract.

WHY USE SpeedXCell?

SpeedXCell is a world renowned and highly palatable feed supplement designed to take the guesswork out of balancing a performance horse's nutritional needs and bridge the gap between the increased nutritional requirements of competition horses and an environment that is supplying fewer vitamins and minerals from natural sources. It will assist the horse in maintaining optimum health and maximising the athletic potential.

Many horses that are in competition or being ridden on a regular basis are kept in stables for a considerable time without access to fresh forage and natural sunlight. When in training – grains will also provide a large proportion of overall calorific intake. Under these conditions a normal diet may not provide those animals proper vitamin and trace element needs, and providing daily supplementation of SpeedXcell at 60ml per day ensure that the animal's full requirements for these vitamins and trace minerals are met.

COMPOSITION – SPEEDXCELL

COMPONENT	Per 60 ml	Per 1 Litre
Vitamin A	40,000iu	666,667iu
Vitamin D	6,500iu	108,333iu
Vitamin E	800iu	13,333iu
Vitamin K	10mg	167mg
Vitamin B1	70mg	1,167mg
Vitamin B2	60mg	1,000mg
Vitamin B6	30mg	500mg
Vitamin B12	120mcg	2,000mcg
Biotin	1.5mg	25mg
Folic Acid	50mg	833mg
d-Pantothenic Acid	60mg	1,000mg
Niacin	150mg	2,500mg
Elemental Iron	100mg	1,667mg
Manganese	200mg	3,333mg
Copper	60mg	1,000mg
Zinc	225mg	3,750mg
Iodine	3mg	50mg
Cobalt	1.5mg	25mg
Selenium	0.4mg	6.67mg
Excipient to	60ml	1,000ml





A POWERFUL, NATURAL AND SAFE BODY BUILDER



Presentation: 1 L.

FEEDING INSTRUCTIONS

All horses: Feed 15ml per day.

For best results it is recommended to feed Muscle Up continuously for two months.

Complementary feed-stuff for horses.

WHAT IS Muscle-Up?

Muscle-Up is a feed supplement made with highly purified and concentrated Rice Bran Oil. It contains the plant sterol Gamma Oryzanol as well as naturally occurring tocotrienols and tocopherols. When fed daily it will provide a powerful antioxidant network and will promote muscle development, physical well-being and improve overall appearance.

Muscle-Up is a natural product that stimulates anabolic activity in the horse to increase muscle mass and size.

Muscle-Up is not a steroid but a naturally occurring plant sterol which provide the chemical building blocks to enable the animal to optimise its own production of those endogenous steroids which stimulate anabolism and the increase in muscle mass.

WHY USE Muscle-Up?

Many horses in pre-training or during early training, go into training before their musculature really enables them to withstand the rigours of training. A course of Muscle-Up prior to training or early in the process can help weaker individuals to gain the muscle mass and strength to best respond to the benefits of the training programme.

With weanlings and yearlings, good appearance and appropriate physical development are key to establishing value at sales. Muscle-Up can help ensure that look and demeanor which attracts the buyer and adds value to the animal.

If you have horses recuperating after illness or injury that restricts ability to exercise, this will lead to loss of muscle mass and tone. Muscle-Up can help the animal regain lost muscle mass, ideally by commencing supplementation when the animal is able to undertake light exercise.



COMPOSITION – MUSCLE-UP

ESSENTIAL TRACE ELEMENT	per 15 ml dose	per 1 L
Gamma Oryzanol	1,200 mg	80,000 mg
Excipient to	15 ml	1,000 ml

USE MUSCLE-UP TO:

- Increase lean muscle mass;
- Improve overall appearance and physical well being;
- Improve strength;
- Obtain maximum muscular development in young stock.

Keep your horse at its best performance, health and potential...



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