



PRODUCT BROCHURE

Excellence in Equine Nutrition





Welcome to the TRM product brochure

Setting the standard of excellence in equine nutrition

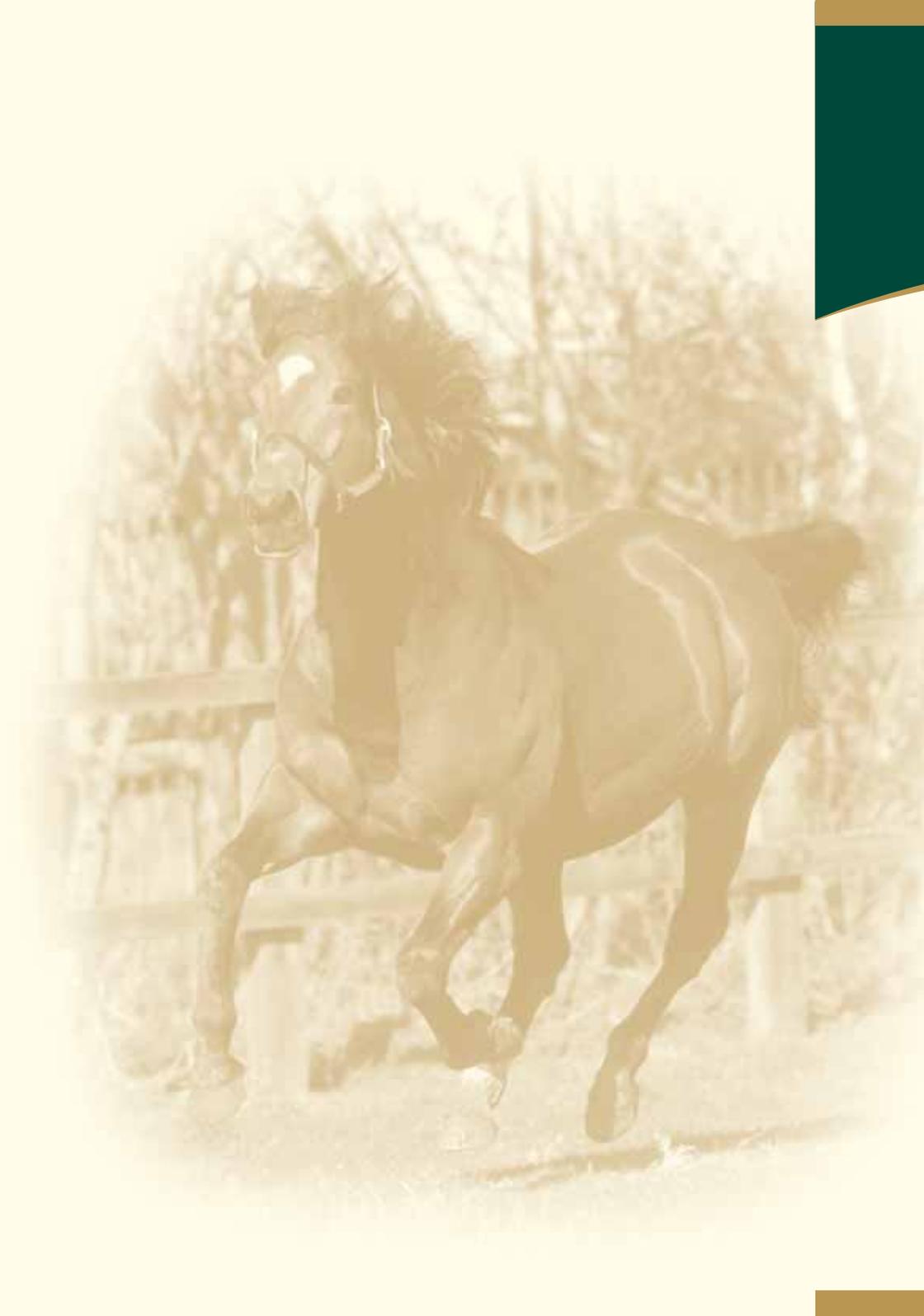
It is TRM's mission to "maximise horses athletic performance by targeting their specific nutritional and hygienic needs." To this end they have continually invested to create what is today an industry leader in the research, manufacture and distribution of Equine Feed Supplements. The Production Facility is located at the focal point of equine activity in Ireland, The Curragh, Co. Kildare and employs the latest technology to ensure that all products are manufactured to exacting international standards. Indeed TRM was one of the first companies in the Industry Sector to be granted an EU Manufacturing Licence under the relevant Council Directives.

TRM has sought to support both trainers and riders in all the major equine disciplines globally. This Brochure is an invaluable source of information on TRM products, Equine nutrition in general, but also tells the story of extraordinary achievements recognized, or supported by the Company.

TRM looks forward to being of benefit to you in the year ahead and wishes you the satisfaction of healthy winning horses.



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Supporting the Thoroughbred Industry



TRM's Headquarters and Manufacturing plant are based in the Curragh, County Kildare, the focal point for Thoroughbred Racing and Breeding in Ireland since the 17th Century, when the administrators of Ireland would desert the capital Dublin during the Summer months to watch and compete in horse racing on the Curragh plains. With such a strong affinity to Thoroughbred Racing TRM have always sought to support the industry. In association with "Trainer" Magazine, the Official Magazine of the European Trainers' Federation they have sponsored the quarterly "TRM Trainer Award," which seeks to recognize extraordinary training achievements.

The Winter 06/07 award was won by the Brian Meehan stable for their success on one of the sports' elite days, when Red Rocks landed the John Deere Breeders' Cup Turf at Churchill Downs on the 4th November 2006. With a prize fund of \$3 million it is the richest turf race in America, run over a 1½ mile trip. For jockey Frankie Dettori it was his second Breeders' Cup win of the day, while providing a third career victory in the Turf. Better Talk Now, the 2004 Breeders Turf winner went wide and made a determined effort in the final furlong, but had to settle for second place. The winning trainer said, "They went really quick (up front). I was a little concerned down the back, but once they got to the bottom turn, I thought Frankie had them well covered, and I knew if the horse was right he would finish." Joint favorites English Channel and Hurricane Run finished third and sixth respectively. This was the seventh time in eight years that a European horse won America's richest turf prize. The mile and a half event was run at a faster pace than many anticipated with the winning time being less than one second off the course record.

Red Rocks - Winner of the 2006 Breeders Turf.



Brian Meehan, *Trainer Magazine* "TRM Trainer Award" Winter 06/07.

The *Trainer Magazine* "TRM Trainer Award" for Spring 2007 went to Alduino and Giuseppe Botti, two brothers who for more than a quarter of a century have dominated Italian racing. Both come from a racing background and Alduino is a former champion apprentice. Based in Milan they have won the trainers championship a phenomenal 32 times. While Bruno Grizzetti briefly broke their stranglehold in 2001, and 2002, the Botti brothers have grown their operation once again to achieve astonishing results both in terms of total numbers of winners and their strike rate. In both 2005 and 2006 they set a new European record for the number of winners trained. Jean-Claude Rouget had established the record back in 1994 with 246 winners in France. It stood until the Botti brothers sent out 274 winners in 2005. In 2006 they easily topped that with 318 wins from 1,315 starts, a strike rate of 24.18 percent.

While a cold Monday in November at Pisa racetrack is an unusual location for the setting of a European record, that changed when they hit 300 wins in one season – the first time this landmark was passed in Europe. One of their outstanding charges during 2006 was Ramonti, who subsequently joined Godolphin to great effect in 2007. The business is very much a family operation, with sons and nephews all making an important contribution. Stefano, Edmondo and Marco have all made their mark.

Stefano is the leading amateur jockey riding 40 winners from exactly 100 mounts. He is also responsible for the second part of the stable based in Pisa. Edmondo was Champion jockey in 1992 with 129 winners, and went even better with 146 winners in 1996. Marco was also a successful rider from 1993 to 1998 with almost 400 winners, and since then has made a promising start to his own training career at Newmarket.



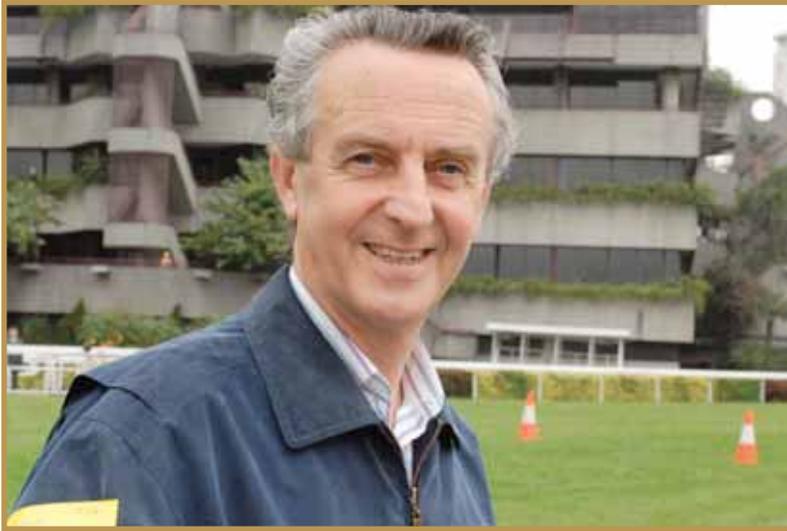
Alduino and Giuseppe Botti, *Trainer Magazine* "TRM Trainer Award" Spring 2007.



Finsceal Beo on her way to victory in the 1000 Guineas in Newmarket.

The Trainer Magazine “TRM Trainer Award” in the Summer edition went to Jim Bolger who plundered both the Newmarket and Curragh 1000 Guineas with Finsceal Beo. The filly clocked a race record time in registering a crushing Rowley Mile success in Newmarket. She was sent off a 5/4 favourite and while there were 21 runners in the field, the winner was never in doubt. Kept in touch throughout, she started her run at the two furlong post, and went clear of the field on the stand side. The second placed Arch Swing could only get within 2½ lengths. She crossed the line in 1:34:94 the fastest time ever recorded for a Newmarket classic. Bolger must have left Newmarket that Sunday evening pondering what might have been, Teofilo’s knee injury denying the Coolcullen handler a crack at the 2000 Guineas as well. At the end of May she completed the unique double when, like Cockney Rebel 24 hours earlier, who repeated his win in the Newmarket 2000 Guineas, she added victory in the Irish 1,000 Guineas. The only other filly to win both the Irish and English Classics had been Attraction in 2005. However, unlike her, Finsceal Beo also attempted to win the French 1000 Guineas in between. The French classic took place just 7 days after the Newmarket victory, and while she led in the final furlong she was caught in the very last stride by Darjina. To compound the agony, the fast-ground-loving Mr. Greeley filly had to last home on a surface eased by a storm which hit the Bois de Boulogne less than an hour before the off. More than likely without that rain Finsceal Beo would have held off her thrusting rival rather than succumb.

The Trainer Magazine “TRM Trainer Award” in the Autumn edition went to Jean-Marie Beguigne, trainer of the Prix du Jockey-Club hero Lawman. Born in Burgundy in 1955 Beguigne had five years under the tutelage of Francois Mathet before branching out on his own at the tender age of 25 in 1981 – just a year after another prodigy put his name on a flat trainer’s licence for the first time, a certain Monsieur Andre Fabre.



J.S. Bolger, Trainer Magazine "TRM Trainer Award" Summer 2007.

Fabre has gone on to an unprecedented level of success, collecting an amazing 19 consecutive trainer's titles. And for a while it seemed that Beguigne might dine alongside him at the top table. Admittedly it took him a few years to get going, but in 1988, despite having just 27 horses, Beguigne, in his quiet, patient style plotted big race triumphs for Saint Andrews, Indian Rose and Oczy Czarnie. This left him in third place, behind only Fabre and Francois Boutin, in the French Group 1 winners' table. The stable expanded rapidly, and another classy performer was unearthed in the form of the 1989 Prix Vermeille winner, Young Mother. Then the dreaded virus took hold, ravaging Beguigne's string with such sustained venom that he was forced to quit in 1994. He started from scratch again in 1999.



Lawman winning the Prix Du Jockey Club, France.

This time the success was more sustained with around 30 winners for each of the last six seasons from a team strength of approximately 50. In 2004 he got his name back in the headlines as Latice won the Prix de Diane and My Risk took his Pattern Race tally to four. This term, Lawman was brought to a crescendo with precision timing to pull off a hat-rick of front-running victories, culminating in the Jockey-Club and the Prix Jean Prat. Through a strange quirk of fate Beguigne's success second time around has been intimately connected to Lamarie, who has become something of a sensation - one of Europe's best broodmares. Her first five foals have included Latice, Lawman and Satri - two classic winners and a Group scorer, all trained by Beguigne. All were bought at public auction and astonishingly, none cost much more than Euro 80,000. ■

The Road to Beijing



Based in Leicestershire, and one of Britain's leading eventers, the TRM sponsored rider Oliver Townend continued where he left off in 2006, and is now well placed to represent Britain at the Beijing Olympics. In 2006 he took a third place at Badminton with Flint Curtis, and also secured his first appearance for the Great Britain team which won a silver medal at the World Equestrian Games in Aachen.

2007 kicked off in April when he won the main event at the Burnham Market International Horse Trials on the faithful Flint Curtis. The three star event was also a World Cup qualifier. Chatsworth proved to be equally profitable for Oliver, winning the three star event on Eldmire Foxy Lady, and taking second place in the World Cup Qualifier on Flint Curtis. His next major competition was across the Irish Sea in Punchestown, where he came second in the Irish Horse Board three star event on Flint Curtis, and notched up another second in the Failte Ireland two star class with Jackson d'Allez. More success was to come, with a fantastic ride on Daisy Crazy winning Oliver his second Gatcombe title in August, securing him the EHOA & Martin Collins Intermediate Championship at the Festival of British Eventing. The 10-year-old grey mare was in third place after the dressage, but clear rounds in both the show-jumping, and cross-country, and just 8 time penalties meant the victory was his. It was at Thirlestane Castle, that Oliver really displayed his dominance in the sport, despite there being a huge entry because of weather cancellations elsewhere. He won both the Intermediate and Advanced classes, coming second and sixth respectively in the OI and the two star class, and finished off by taking the Scottish Open Championship with Flint Curtis.

However the highlight of Oliver's season was yet to come, being part of the British Team, which won a seventh consecutive team gold medal at the European Eventing Championship in Pratoni del Vivaro, Italy in September. He also secured an individual 12th place.

British Event rider Oliver Townend and Flint Curtis.



TRM sponsored event rider Oliver Townend competing at Thirlestane Castle, Scotland.

Oliver finished the year in 13th place in the World Rankings, and 6th in World Zone 1. He is now firmly focused on the road from his yard, just outside Market Harborough to the Beijing Olympics. He has a superb string of horses, headed up by Flint Curtis, and extraordinary talent, as evidenced by the number of horses he was able to bring home at Thirlestane. An increasingly knowledgeable rider, whose attention to “out-of-the-saddle” management of his horses ensures that they reach peak fitness just when it really matters, Oliver says “I have great confidence in all of the TRM products, and have been supported by advise from their specialists, they tailor the products to the individual needs of each horse. I genuinely believe that TRM products can offer tremendous benefits to anyone who trains and competes with horses.”

Oliver received the ultimate accolade from his peers during the British Eventing Annual Awards Ball, held at the National Motorcycle Museum, Birmingham in November.

In front of more than 600 guests he was awarded the Tony Collings Memorial Trophy, presented to the British rider accumulating the highest number of points during the course of the year.

Starting in 315 sections, he had twenty nine wins, a further seventy five top five placings and a points tally of 1886. Despite this he still had time at the end of 2007 to help young emerging talent, by hosting the first ever Oliver Townend Eventers’ Challenge National Championship at Arena UK in Grantham. He spent the day in the audience offering support and advice to all competitors, and presented prizes in all classes, the winner of each also receiving a day of training with him in the new year.

Competition plans will remain fluid in the early part of 2008, but with his growing experience, and all the expertise and training offered to the British squad riders, Oliver has never been better placed to realise what must be every rider’s ultimate dream – an Olympic Gold Medal. ■



Oliver Townend and Flint Curtis.

GNF

Proven, Published & Presented



An investigation into the efficacy of a commercially available gastric supplement for the treatment and prevention of Equine Gastric Ulcer Syndrome (EGUS)

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Take Home Message

Equine Gastric Ulcer Syndrome (EGUS) has been found to be widely prevalent in both racing, and non-racing horses (Murray *et al.*, 1989; Hartmann and Frankeny, 2003; Nieto *et al.*, 2004; Chamero *et al.*, 2006). Traditional treatments often necessitate drug therapy (Andrews *et al.*, 1999), which may be expensive, and competition regulations could inhibit their use. GNF™ is a commercially available nutritional supplement, intended for daily feeding to horses with gastric disturbances. This trial investigated the efficacy of the product in the treatment of EGUS and found that horses supplemented with GNF™ for six weeks showed significant ($P < 0.05$) reduction in overall ulcer score. It can therefore be concluded that GNF™ can have effective results at reducing the severity of EGUS in affected horses.

Introduction

With the development of sophisticated methods of gastroscopy in recent years, Equine Gastric Ulcer Syndrome (EGUS) has become widely diagnosed in many animals (Hartmann and Frankeny, 2003; Nieto *et al.*, 2004; Chamero *et al.*, 2006).

GNF presented at the Equine Nutrition Conference, Vienna.

It has been suggested that prevalence of the condition amongst racing Thoroughbreds may be as high as 90% (Murray *et al.*, 1989), with gastric lesions being identified in 100% of racing animals in some instances (Murray *et al.*, 1996).

In non-racing horses, 51% of animals showing signs of gastric disturbance were found to be effected, with a further 37% of apparently healthy horses displaying significant numbers of lesions to be classed as suffering from EGUS (Bullimore *et al.*, 2001). Clinical signs of the disease include weight loss, diarrhoea, decreased appetite, behavioural changes, decreased performance and colic (Murray *et al.*, 1989; Murray *et al.*, 1996; McClure *et al.*, 1999; Vatistas *et al.*, 1999; Bullimore *et al.*, 2001; Nieto *et al.*, 2004).

Purported reasons for the development of EGUS are wide ranging. Bullimore *et al.*, (2001) suggest that ulceration arises from imbalances between defensive mechanisms and aggressive factors within the stomach. It is often assumed that excess acid and pepsin secretion in the glandular region of the stomach may be to blame. However, work in human sufferers of gastric ulceration have shown many patients to display near normal acid secretion (Grossman *et al.*, 1963). It is therefore highlighted that defensive mechanisms within the stomach are just as vital in the prevention of ulceration. In the glandular region of the stomach, a mucus layer is secreted to protect against autodigestion, bacterial infection etc (Bullimore *et al.*, 2001). It has been found that bicarbonate ions are secreted into the mucus allowing surface pH to be maintained near neutral, even when luminal pH is below 2 (Quigley and Turnberg, 1987). Mucus also contains the glycoprotein mucin. It is postulated that abnormal variations and molecular characteristics of mucins can compromise permeability of mucus gels, and therefore mucosal defence (Bullimore *et al.*, 2001). Indeed, in human patients, gastric ulceration has been associated with abnormal mucin gene expression and glycosylation (Jass and Robertson, 1994; Filipe and Ramachandra, 1995).



Endoscopic examination for gastric ulceration.

Although it is acknowledged that the majority of EGUS lesions are found to be present in the non-glandular region of the equine stomach, it has recently been noted that a gene homologous to the human MUC5_{AC} is expressed within the equine stomach in both glandular and non-glandular regions (Bullimore *et al.*, 2001). MUC5_{AC} is responsible for the production and expression of neutral mucins, and its presence in both regions of the stomach suggest some mucosal defence in the proximal stomach areas. Therefore, abnormal production of the gene may lead to reduced defence, as highlighted in humans (Bullimore *et al.*, 2001). Other causes of ulceration are thought to be due to excessive acid build up (Jones 2002), which could lead to unnatural movement of acid in the non-glandular regions. This may be due to mechanical blockage of the stomach. However, this situation may be compounded in meal-fed horses given restricted access to forage, as stomach secretions are continuous, even when the stomach is empty (Frape, 1998).

Furthermore, restricted forage intake is also noted to reduce salivary bicarbonate production, and thus reduce the overall buffering capacity within the proximal end of the stomach (Frape, 1998).

Treatment of EGUS is primarily with pharmacological agents that either act as H2 blockers or as acid pump inhibitors (Andrews *et al.*, 1999). Nutritional supplements that have proven their efficacy in scientific trials could potentially be used as adjuncts to veterinary therapy following an initial course of drug treatment, or during periods where conventional drug treatment must be withheld in order to avoid contravening doping regulations. However, it is the prevention of this disease, through management and possible supplementation of gastric treatments, which horse owners could use to ultimately reduce the high prevalence of EGUS. The aim of this study was to investigate the efficacy of a commercially available gastric supplement, purported to increase mucin production and combine with natural bicarbonate production to produce defensive gels within the stomach.

Materials and Methods

Animal Management

26 National Hunt Thoroughbred Racehorses were used in the study. All were aged between 4 and 10 years, and all resided on the same yard. All horses were maintained on their original diet, and all horses remained in their normal training routine. Horses were housed in stables, and were each turned out to grass for 1 hour per day. No additional supplements or conflicting medical treatments were given throughout the duration of the trial.

Animal Recruitment to the Trial

All animals used in the trial were routinely scoped for veterinary purposes. All horses recruited to the trial were to be scoped regardless of the trial, at the request of the trainer.

Horses were initially scoped and divided into three categories depending on their ulcer score; Clear (ulcer score 0), n = 5, Mild to Moderate (ulcer score 1-2), n = 14 and Severe ulceration (ulcer score 3-4), n = 7, within which horses were further divided into supplemented (n = 14) and non-supplemented (n = 12) groups. Each group (treatment and control), were blocked to allow equal numbers of each ulcer score to be allocated to either treatment or control. Blocked animals were then assigned to treatments groups randomly. See table 1.

Horse Number	Ulcer score	Treatment (T) or Control (C)	Horse Number	Ulcer score	Treatment (T) or Control (C)
1	0	T	14	2	T
2	0	C	15	2	C
3	0	T	16	2	T
4	0	T	17	2	C
5	0	C	18	2	C
6	1	C	19	2	T
7	1	C	20	3	T
8	1	T	21	3	C
9	1	T	22	3	T
10	1	T	23	3	T
11	1	C	24	4	C
12	1	T	25	4	T
13	1	C	26	4	C

Table 1; Assignment of Horses to Treatments. Total numbers in each group were:

Clear – Treatment, n = 3, Control, n = 2; Mild to Moderate – Treatment, n = 7, Control, n = 7;

Severe – Treatment, n = 4, Control, n = 3.

Gastroscopy

Gastroscopic examination was performed after a fasting period of 20 hours and water was withheld for 4 hours prior to scoping. The examination was performed at the request of the owner, by a registered veterinary practitioner. Examination was carried out using a video Med – V.10.300, CCD Cam 3 endoscope with Xenon XL – M180 light source.

The scope measures in at 3 meters in length, with an external diameter of 9.8 mm. Each individual horse's gastroscopy was recorded on to a DVD for later consultation. A panel of veterinarians scored each horse and an average score was then given, the scoring system used is outlined in Table 2.

Score	Description
0	Epithelium is intact throughout; no hyperemia, no hyperkeratosis-normal
1	Mucosa is intact but there are areas of hyperemia and/or hyperkeratosis (thickening)
2	Small, single or multi-focal erosions or ulcers
3	Large, single or multi-focal ulcers, or extensive erosions/superficial lesions
4	Extensive ulcers, with areas of deep submucosal penetration

Table 2; Ulcer Scoring System (as proposed by EGUS Council).

Horses were supplemented for a period of 6 weeks. All horses used in the trial were due to be re-scoped as part of the normal management after this time, therefore the trial was restricted to this length so as not to subject animals to unnecessary endoscopy procedures. Ulceration was then assessed as before. Nine horses were removed from the trial due to unrelated reasons that resulted in the cessation of training, this resulted in overall group numbers being – treatment n = 11 and control n = 6.

Supplementation

The commercially available supplement, GNF™ was administered to treated horses at recommended levels of 100g/day, split between three feeds, for a period of 6 weeks. GNF™ is marketed as a gastric supplement intended for daily feeding to horses prone to gastric disturbances. It is purported that GNF™ will assist in maintaining optimum gut health and function, allowing maximum utilization of feed.

Compositional Analysis of Supplement	Per 100g
Calcium Carbonate	20,000 mg
Magnesium Hydroxide	10,000 mg
Seaweed Extract (from Laminaria Hyperborea)	10,000 mg
Fructo-oligosaccharides	10,000 mg
Glutamine	3,800 mg
Threonine	4,720 mg
Excipients and Binders (Full Fat Soya, Kaolin)	41,480 mg

Justification for Ingredient Inclusion

Fructo-oligosaccharides (FOS) have recently been classified as prebiotics (Mikkelsen and Jensen, 2004); substances that are recognised to stimulate growth of desirable bacteria (Kapiki *et al.*, 2007), which can result in a positive symbiotic relationship between bacteria and host (Gibson and Roberfroid, 1995). Due to the formation of β linkages in the monomer chain, FOS are categorised as non-digestible oligosaccharides (NDOs), as such linkages cannot be hydrolysed by endogenous enzymes (Burvall *et al.*, 1979; Oku *et al.*, 1984). As a consequence, FOS can remain available as substrates for microbial populations to utilise (Houdijk *et al.*, 1998), and thus promote increased intestinal efficiency (Mikkelsen and Jensen, 2004).

Glutamine is implicated in the synthesis of proteins, as a fuel reserve for dividing cells and lymphocytes, (Krebs *et al.*, 1980), and as a mediator in the development of intestinal epithelial cells (Windmueller and Spaeth, 1980; Wu *et al.*, 1995) Glutamine supplementation has proven to increase intestinal performance (Yan and Qiu-Zhou, 2006), and has been found to decrease over-expression of pro-inflammatory genes, thus leading to a reduction in intestinal damage of rats receiving acetic acid supplementation (Fillmann *et al.*, 2007). Glutamine has also been shown to be an essential requirement of extracellular fluid which is involved in the regulation of intentional cell volume changes, which occur as a result of cellular regulatory pathways (Ernest and Sontheimer, 2007).

Threonine is an essential amino acid and studies have shown that restriction of this nutrient may limit intestinal mucin synthesis and reduce gut barrier function (Hamard *et al.*, 2007; Faure *et al.*, 2005).

Laminaria hyperborea is a brown kelp or seaweed that has been found to be extremely palatable and provide increased digestible energy sources for sheep kept on the Orkney island of North Ronaldsay (Hansen *et al.*, 2003). *L. hyperborea* contains higher amounts of vitamins, minerals and proteins, when compared to conventional vegetable sources (*ibid.*).

GNF contains both **calcium and magnesium** which are recognised as alkaline providers, and have been shown to increase intestinal mucosal integrity (Wang, 2000).

Results

73% of supplemented horses showed an overall decrease in ulcer severity across all categories. This is in comparison to 33% of control horses showing an increase in severity, and a further 33% of control horses eliciting no change in ulcer score.

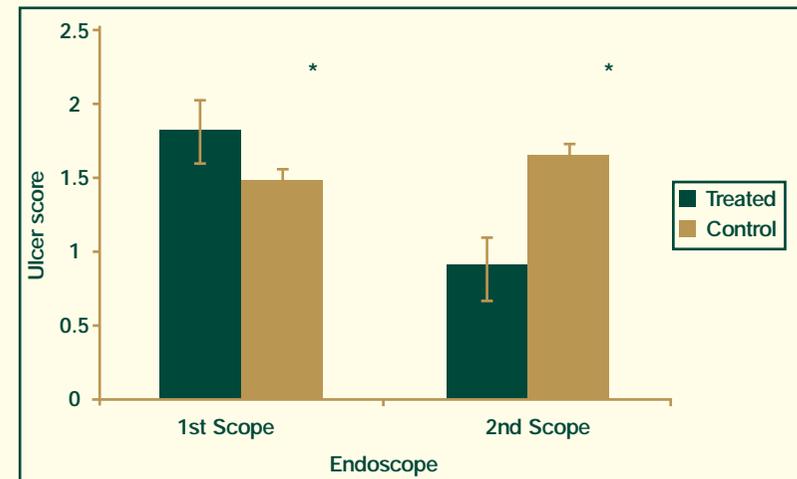
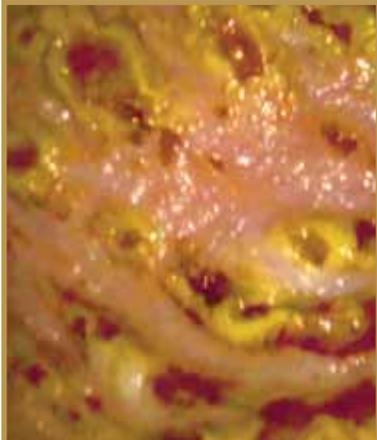


Figure 1. Differences in ulcer score between the first and second gastroscopy exams, in both supplemented and control groups. * Indicates significant differences between the two groups ($P < 0.05$).

The data was tested for normality using the Kolomorgorov-Smirnov Test and found to be significant ($P < 0.05$). It was therefore assumed that the data was not normally disturbed, thus a non-parametric test was used. Data was statistically analysed in SPSS using a two tailed Wilcoxon test, which allows unequal group sizes to be analysed.

Overall scores (regardless of category) showed a significant reduction over the trial in supplemented horses, compared to control horses ($p < 0.05$.) (See figure 1). Statistical analysis on individual groups was not possible due to resultant low numbers in each, although supplemented horses showed a trend towards reduced ulcer scores. The average ulcer score for the supplemented group decreased from 1.82 to 0.91, whilst the average score for the control group increased from 1.5 to 1.66.



Equine stomach showing severe ulceration



Same horse 6 weeks later after feed supplementation with GNF

Conclusion

This study has proven the effectiveness of GNF™, as a nutritional adjunct in the management of equine gastric ulceration. A significant difference ($P < 0.05$) in ulceration score was recorded after 6 weeks of supplementation, with the treated group showing significant improvement in comparison to the control group.

Due to the exceptionally high prevalence of EGUS in the thoroughbred racehorse sector and the limited availability of clinically proven nutritional feed supplements on the market, the results of this research will provide the industry with an effective nutritional tool in the management of EGUS; in conjunction, where appropriate with proton pump inhibitors such as omeprazole and H2 blockers (e.g. ranitidine, cimetidine).



Knight Legend won 3 races and was placed 3 times in 2007 - Fed with GNF.

**“He’s never held so much condition....
he ran consistently well”**

Mrs Jessica Harrington, Leading National Hunt Trainer

// Gastric ulcers in racehorses are a major headache for trainers.
That is why I use GNF to keep my horses in top condition. //

Mrs Jessica Harrington
Leading National Hunt Trainer



Cork All Star on his way to victory at the Cheltenham festival.

Based in Commonstown Stud, Co Kildare, Ireland, Jessica Harrington, a former three-day eventer, has made a huge impression across Ireland and the UK as a leading race horse trainer. Although predominantly a National Hunt trainer, Jessica is also quite adept at sending out winners on the flat. Jessica has on average 90 horses in training. Space Trucker, Spirit Leader, Macs Joy and Moscow Flyer are just a few of the exceptional horses that have come out of her yard. One of jumping's greatest stars, Moscow Flyer is perhaps the best known. Moscow earned over Euro 1.3 million in prize money and is regarded as one of the greatest NH horses of all time. In 2007 Cork All Star won the Cheltenham Festival Bumper for Jessica, while on the flat Curtain Call proved to be an exceptional talent. She finished the 06/07 National Hunt Season with 48 winners in Ireland and prize money earned in excess of Euro 1 Million.

// With GNF, I notice that horses eat up, maintain weight and look better. GNF has now become an integral part of the feed in the yard. //

Mr. Bryan Smart
Group Winning Trainer



Maze winner of the Chesham Stakes at Royal Ascot.

Bryan Smart, one of the UK's leading trainers, began his racing career as a jockey with Jenny Pitman, riding among others, Corbiere, who would later go on to win a Grand National. He started his training career in Lambourn, but moved to North Yorkshire in October of 2002, where he now has a yard of 90 horses in historic Hambleton. Facilities there include horse walkers, an indoor school, cold water Jacuzzi, and it's own grass and all weather gallops. Records dating back to the 17th Century show that good horses were always trained out of this yard, including more recently a Noel Murless trained Derby winner. Among Bryan's many winners are Titus Alone in the Windsor Castle Stakes 2005, Hellvelyn in the Coventry Stakes 2006, and Maze in the Chesham Stakes 2007, all 2 year olds trained by Bryan who won at Royal Ascot in consecutive years.

Conor Swail - Helping Ireland Back to the Samsung Super League



Conor Swail, the leading Irish Show-jumper, who uses TRM products as an integral part of his training regime, had a superb year in 2007, and in the process helped the Irish Show-jumping Team to gain promotion back into the Samsung Super-League after an absence of just one year. At the end of the season the FEI (Federation Equestre Internationale) announced Ireland would regain its position at the sport's top table, which is reserved for the top eight teams in the world, replacing France who will now compete in the FEI Nations Cup Series. During the course of the year Irish teams were sent to a total of 12 Nations Cups events, securing 4 victories, with a second placing in Florida at the end of the campaign copper-fastening the Irish position on a total of 86 points. Irish Team Manager Robert Splaine said "This is a culmination of the effort, hard work and team spirit put in by the riders involved. They were a pleasure to work with, and I would like to sincerely thank them, their owners, and all who helped me along the way."

The first major team success for Conor was a double clear in May, when the Irish team proved unstoppable in the Austrian Nations Cup in Linz finishing on 12 faults, followed by Italy with 24 faults. The Irish Chef d'Equipe said afterwards "It was a hard course, a tough track, but the lads jumped superbly. You only have to look at the scoreboard to see it. We were the only team with two double clear rounds. I am delighted with the result." Next up was Norway where not even the heavy rain could spoil the party for the team who racked up another notable Nations Cup victory. Competing against Ireland were Denmark, Germany, Italy, the Netherlands, Sweden, USA and the home team Norway. The first round went well with Ireland finishing joint leaders, with Germany and Norway on zero penalties. After the second round Ireland were tied up with Norway on 8 points, Captain Shane Carey and Conor Swail each having dropped one fence, while Commandent Gerry Flynn finished with a double clear. To decide the outright winner, Irish Team Manager Robert Splaine sent Conor out on Rivaal against Norway's Geir Gulliksen on L'Espoir. Conor delivered a tremendous clear in the jump off while Gulliksen had one fence down, thus securing the Cup for Ireland.

TRM sponsored rider Conor Swail.



Conor Swail competing on Rivaal.

The Irish produced their most resounding win of the Nations Cup series in early July, defeating 11 other teams in Lummen, Belgium. Conor and his fellow team mates secured four first round clears, and a total of two double clear rounds to give Ireland its fourth Nations Cup victory of the year.

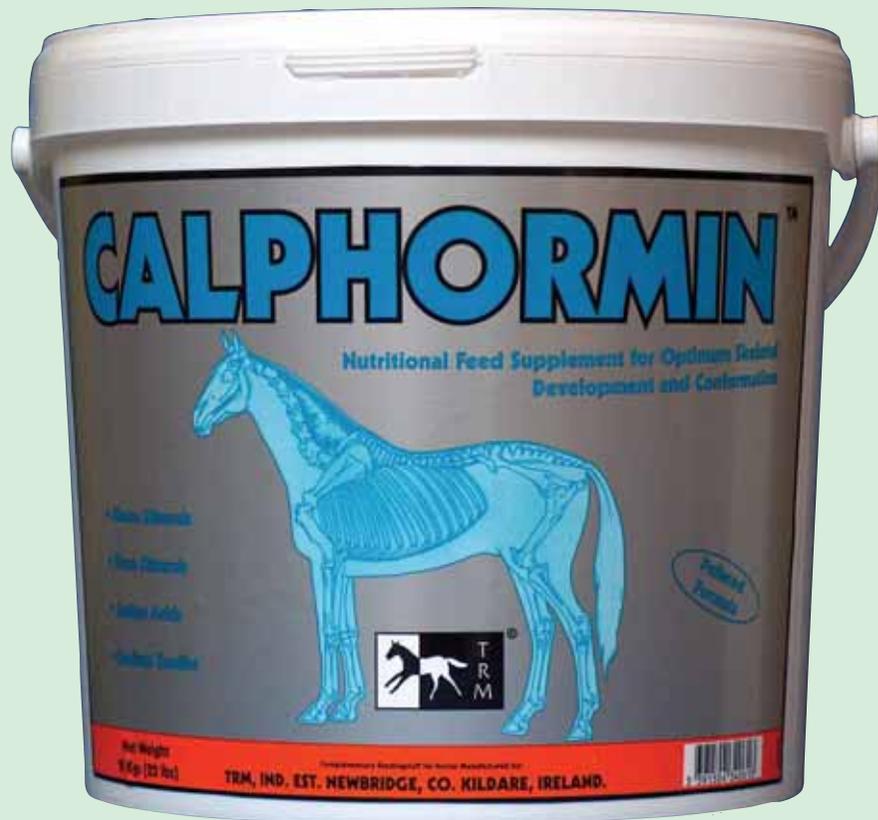
Neither did Conor rest on his laurels at the end of the Nations Cup campaign. He headed to Maastricht in Holland at the end of November with his faithful nine year old Rivaal to compete in the Grand Prix of the four-star show. Twelve riders produced first round clears to earn a jump-off for the prize fund of over Euro 66,000. The winner was Holland's own Leon Thijssen with Nairobi on 34.99 seconds. Conor came a very credible third place on 35.53 seconds, just 0.03 seconds behind the second placed rider.



Conor Swail competing on Caricello.

Just one week later he was competing on Rivaal again, this time at the prestigious five-star event in Paris, Porte de Versailles. He secured an excellent victory in the Euro 150,000 Paris Grand Prix. There were eleven horses in the jump off, and by the time he jumped two had already gone clear, with Eugenie Angot and Illostra Dark on 36.94 seconds leading the board. He brought Rivaal home clear in 36.08 seconds. There were seven riders still to jump including Alvaro De Miranda, Bernardo Alves, Patrice Delaveau, and Jerome Hurel. However the best of the bunch was Hurel on 37.26 seconds, with Swail scooping the first prize. ■

Calphormin – Building Winners



Calphormin, TRM's unique pelleted feed supplement containing the minerals and trace elements required for healthy bone growth, with the added benefit of Sodium Zeolite, has continued to prove itself across the globe. It is fed to brood mares in the last trimester of pregnancy, during lactation, and directly to the young growing horse after weaning.

The product was subjected to rigorous testing at Pegase Mayenne, a leading French research institute during 2004, and 2005, where in subsequent years progeny from the same brood-mares, the first year not supplemented with Calphormin, and the second year supplemented with Calphormin, were x-rayed to ascertain both the incidence of Osteochondrosis, and the average number of lesions per foal. An analysis of x-rays showed that 42.1% of the 2004 group had lesions, while this was reduced to just 20% in the 2005 group. The average number of lesions observed per foal in 2004 was 0.53, while this was reduced to 0.29 in the following year. The researchers concluded that there was a statistically significant reduction in the percentage of foals from the same mares with Osteochondrosis lesions when their feed was supplemented with Calphormin. The product has now become globally recognized as an essential nutritional tool for breeders, and trainers to optimize growth and bone development in a correct and balanced way.

At the track the product has also continued to produce winners. The outstanding two year old of 2006 Teofilo, who won both the Dewhurst Stakes at Newmarket, and National Stakes at the Curragh was bred by Jim Bolger, with Calphormin being an integral part of his nutritional programme. Unbeaten after 5 races, all over seven furlongs he was deservedly named the winner of the 2 year old category at the Cartier Racing Awards.



Teofilo winning the Dewhurst Stakes.

In 2007 another Bolger bred horse, but this time trained by Aidan O'Brien, swept aside all challengers in the Group 1 Budweiser Irish Derby. He registered a 9 length win in the 12 furlong feature race, leading home an O' Brien 1/2/3, with Alexander of Hales second and Eagle Mountain, the favorite, ridden by Kieran Fallon in third place. The winning margin was equal to that of Sinndar when winning the same race in 2000. In September, Soldier of Fortune struck again, winning the Prix Neil at Longchamp. While Zambesi Sun was a hot favourite, the Johnny Murtagh ridden son of Galileo finished in front a comfortable 1½ lengths. This despite the fact that he had not run since the Irish Derby in early July, and the firm ground at Longchamp being completely different to that on which he won the Irish Derby.



Irish Derby winner Soldier of Fortune.



Indian Ink winning the Coronation Stakes at Royal Ascot.

Indian Ink, bred by Killeen Castle Stud in Ireland, out of the Darshaan mare Maid of Killeen, and raised on Calphormin was another horse to show excellent form in 2007. As a 2 year old she had won, among others, the Group 1 Sky Bet Cheveley Park Stakes. In doing so, by just a neck, she denied Brian Meehan his third consecutive win in the race, as his Dhanyata had to settle for second place. By June of 2007 she was ready to take on a trio of 1000 Guineas winners in the Coronation Stakes at Royal Ascot. Before the race Finsceal Beo (Dual Irish and English 1000 Guineas Winner), Darjina (French 1000 Guineas Winner), and Mi Emma (German 1000 Guineas Winner) shared the favourites tag in the betting ring.

However as the grey skies over Ascot turned the turf into a soft carpet there was growing support for Indian Ink, who was available at 25-1 the previous day, but started 8-1 at the off. She stayed towards the rear of the field and started to make progress about two furlongs out. Hitting the front about one furlong out, she was clearly enjoying the turf rated good to soft, and finished six lengths clear of Mi Emma, with Darjina back in third. Richard Hughes the winning jockey stated "When she won the Lowther at York last year she hit the front and went clear, then nearly pulled herself up – so I had to be careful today. I gave her a kick and she quickened. I thought I might have gone too soon, but I've got great faith in this filly."



Vanessa Boko - World record time for two year olds over 1660m.

It's not just in the Thoroughbred World that Calphormin has made it's mark. One of the world's most successful breeding establishments for Standard Bred horses, Boko Stables, with bases in both Sweden and Holland, also use Calphormin in their feeding programme for mares and weanlings. Outstanding recent progeny of Boko stables include Vala Boko who won the Breeders Crown as a three year old with a Euro 90,000 purse. She was equally successful as a four year old, and by the end of 2007 had 16 wins from 23 starts, with career earnings in excess of Euro 300,000.

Another great horse from Boko Stables was Vanessa Boko, sired by the French stallion Defi d'Aunou and out of a Meadow Road mare, Opera Hanover. As a 2 year old, she set a new world record for her age, when covering 1660 meters in 2:002 from a standing start when driven by Jorma Kontio at the Solvalla track. This was a full one-fifth of a second faster than the old record which had been set as far back as 1994, and was Vanessa Boko's third win in three starts.



Virgil Boko - Winner of 2007 European Derby.

The star performer of 2007 was Virgil Boko, a son of Express Ride (Super Bowl) who crowned a tremendous season by taking the European Derby – Grand Prix de l'UET at the beautiful Bjerke track in Oslo, Norway at the end of October.

In order to make the final there were four qualifying races. Virgil Boko won his heat in Paris, and while his was the fastest time of the qualifiers, it did come at the roomy 2100m track at Vincennes. The other contestants in the final had to arrive via the Bjerke track at just five-eighths of a mile. The four qualifying races were won by horses owned in Holland, Finland, Norway and Sweden and so there was a truly international flavour to the race. The Dutch star Virgil Boko prevailed in the final to take the crown of the best four year old in Europe, and the lion's share of the Euro 460,000 prize fund. ■

Vitamin B: It's importance in Energy Metabolism



What is Vitamin B?

This group of vitamins is diverse containing a wide range of substances that serve as catalysts in the metabolism of protein, fat and carbohydrate and in the formation of tissues from nutrients. Because of their wide-ranging roles within the horse's body these vitamins are necessary for reproduction, growth, physical performance, maintenance of health and food utilisation - without them, the body ceases to function!

Requirements

The requirements for the B complex vitamins are affected by many factors such as;

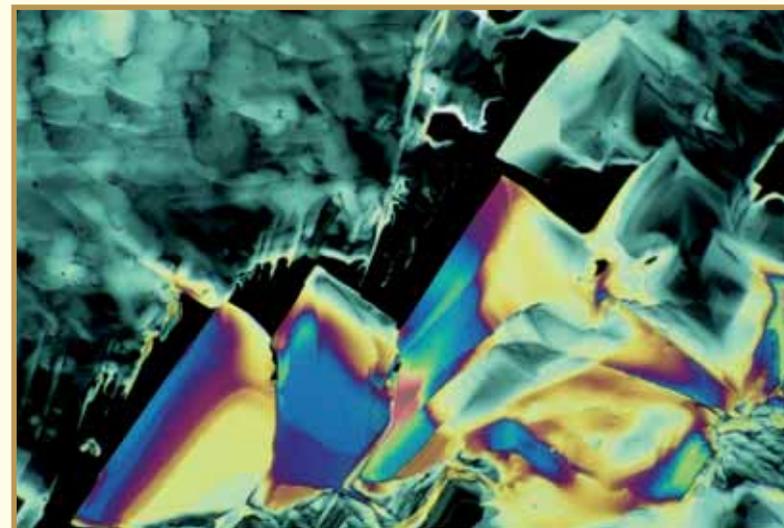
- type and quality of diet;
- presence of dietary contaminants such as mycotoxins;
- quantity of microbial synthesis in the gut;
- extent of absorption in different segments of the gut (bioavailability);
- age;
- genotype;
- extent of feed processing;
- exercise;
- intestinal infection/malfunction;
- parasitism;
- reproductive status.

It should be clear that it is difficult to precisely define requirements since there are so many confounding factors that can have an impact on them. Furthermore, there are different levels of requirement. For example, the minimum requirement is that daily quantity of a vitamin that will prevent deficiency symptoms occurring. It is noteworthy that the B complex vitamins are water-soluble and are not stored for any length of time within the animal's body hence necessitating a regular, daily supply. In contrast to the minimum requirement the animal has an optimum requirement that requires a quantity of vitamin that will maximise the functionality of the body whether it is for say, exercise or lactation.

Suboptimal performance is often the result of the undersupply of vitamins and should not be confused with a clinical deficiency. Good feeding practice for horses demands that the supply of B complex vitamins be optimised so that these animals can realise their genetic potential. A more recent development has been the realisation that the provision of extra vitamins can contribute to the long term well being of both animals and people. This is in situations where the vitamins are having an activity beyond their normal physiological function such as in terms of reducing health risks. A case in point would be Biotin where although sufficient may be fed to support normal body function in the horse, the provision of large amounts (>20mg/day), well beyond “normal” requirements, have resulted in significant improvements in hoof horn quality.

Sources of B complex vitamins

There are two sources of B vitamins to the horse, from the diet and from microbial synthesis within the gut; the latter is confined to the caecum and colon. Production of B vitamins within the large intestine is dependent on the type of diet fed thus, less will be formed when a high cereal diet is fed because small intestinal digestion will be maximised whilst large intestinal fermentation will be minimised. In contrast, a very active fermentation will occur when an all-forage diet is fed and as a result, more B vitamins will be produced. Unfortunately, fermentation occurs after the major site of absorption which is in the small intestine so it is questionable as to what proportion of the B vitamins produced in the large intestine will be subsequently absorbed. Dietary B vitamins are well absorbed from the small intestine (Vitamin B12 is exceptional in that it requires a carrier, known as intrinsic factor, to assist its absorption through the intestinal wall) as they are water soluble so, provided there is a good supply in the diet, the animal will be well provided for. In this context, a dietary supply of these vitamins is the only reliable means of ensuring an optimal supply to the horse.



Vitamin B12 under a high power microscope.

Vitamins of the B complex

Cyanocobalamin (B12)

This is probably the best known member of the complex because of its established importance in human diets. It was originally known as the animal protein factor and is one of the most important missing ingredients in vegan diets, although it can now be extracted from fermentation products. It is the only vitamin to incorporate a mineral element, Cobalt, and it is interesting to note that horses, grazing pastures upon which ruminants die from Cobalt deficiency, remain healthy. Production of B12 in the large intestine of the horse has been proven and there is evidence of some absorption at that site, however this has not been quantified. It is involved with one carbon metabolism in conjunction with another member of the complex, Folic Acid (folacin). It is primarily involved in protein metabolism but also plays a part in fat and carbohydrate metabolism, and importantly, is involved with the interconversion of propionic acid, one of the volatile fatty acids produced

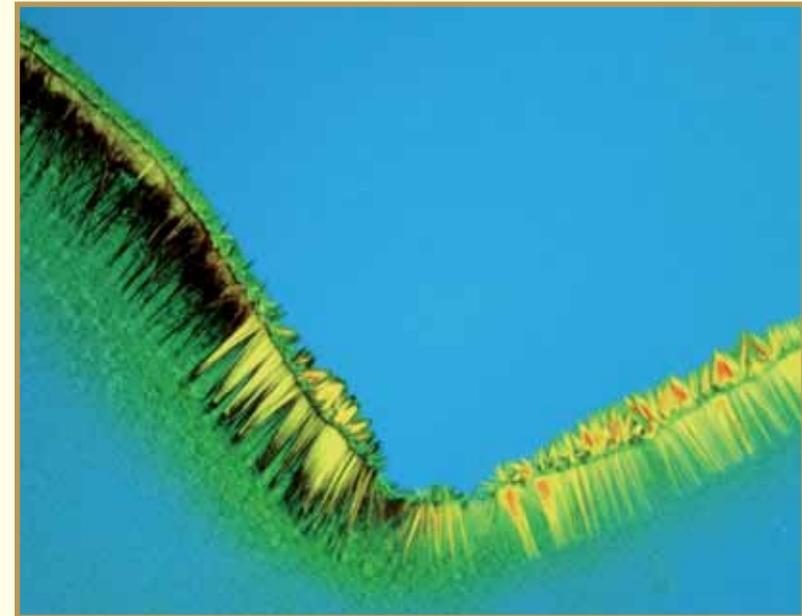
during the fermentation of starch. Its interaction with Folic Acid has already been mentioned but in addition, it interacts with other members of the B complex (B6, Biotin, Pantothenic Acid, B1, Choline). Animal protein is no longer included in horse diets so B12 supplementation is essential to meet requirements and it is possible to feed quantities beyond that necessary for normal body function to try to quieten hyperactive and performance horses. Critically for performance horses it is involved in the production of blood cells, and signs of deficiency include anaemia with enlarged red blood cells.

Biotin

Optimum hoof quality depends on a galaxy of nutrients including Sulphur, Copper, Zinc, Selenium, Calcium, Phosphorus, Amino Acids and Biotin. The latter is available and in plentiful supply in good grass/legume mixtures but is otherwise poorly available from other food sources. Intestinal synthesis of Biotin is inadequate for active horses and its production is severely compromised by reductions in caecal pH. Dietary supplementation with Biotin is essential to maintain hoof strength and integrity. It has been shown that hoof problems may be resolved by using very high levels of Biotin (>20mg/day) over an extended period of time (9-12months) and then following this by feeding lower maintenance levels.

Thiamine (B1)

Only about 25% of the free Thiamine produced in the caecum is absorbed into the blood, and it is used by the horse for carbohydrate metabolism, and the formation of Adenosine Triphosphate (ATP). Microbial synthesis within the gut is considered not enough to prevent deficiency symptoms (eg., loss of appetite, ataxia, weight loss) appearing so a dietary supply is essential. Exercising horses may well benefit from further supplementation beyond the recommended level of 5mg Thiamine/kg dry food intake.



Vitamin B2 under a high power microscope.

Riboflavin (B2)

Apart from fresh legumes, dietary sources are relatively poor. Since it is a key co-enzyme involved in energy release (oxidation/reduction reactions for producing and breaking down Fatty Acids and Amino Acids) dietary supplementation is advisable, since the contribution from microbial synthesis is small.

Folic Acid

Fresh green food contains a lot of Folic Acid but unfortunately many horses and ponies do not have access to grass all the time and during the winter intakes are minimal. For example, it has been reported by several researchers that serum folate concentrations in horses on pasture were much higher (about three to four times) than that of stabled horses fed conserved forage. Typically alfalfa will supply 2.5-4mg/kg DM. of Folate, Timothy hay around 2.3mg, and cereal grains just 0.3-0.6mg. In view of the fact that B12 and Folic Acid are essential for red blood cell production in the bone marrow, dietary supplementation is obligatory, particularly for horses in work.



Production of Vitamin B at TRM's collaborative raw material synthesiser.

Niacin (nicotinic acid/nicotinamide)

It is involved in similar biochemical pathways as Riboflavin within the horse's body. It is a constituent of both NAD (Nicotinamide Adenine Dinucleotide) and NADP (Nicotinamide Adenine Dinucleotide Phosphate) – these act as hydrogen-transferring co-enzymes in metabolic reactions relating to carbohydrates, fats and amino acids. In cereals up to 90% may be bound and thus unavailable to the horse, whilst in oilseeds such as soya, only 40% may be unavailable. Apart from food sources, Niacin can be produced by microbial synthesis and derived from the amino acid Tryptophan in the liver, however, low forage diets will limit large intestinal production of Niacin.

Pyridoxine (B6)

Pyridoxine is a component of a co-enzyme which plays a central part in various reaction processes during the metabolism of amino acids. It is one of the haemopoetic vitamins involved in the maintenance of healthy red blood cells.

Pantothenic Acid

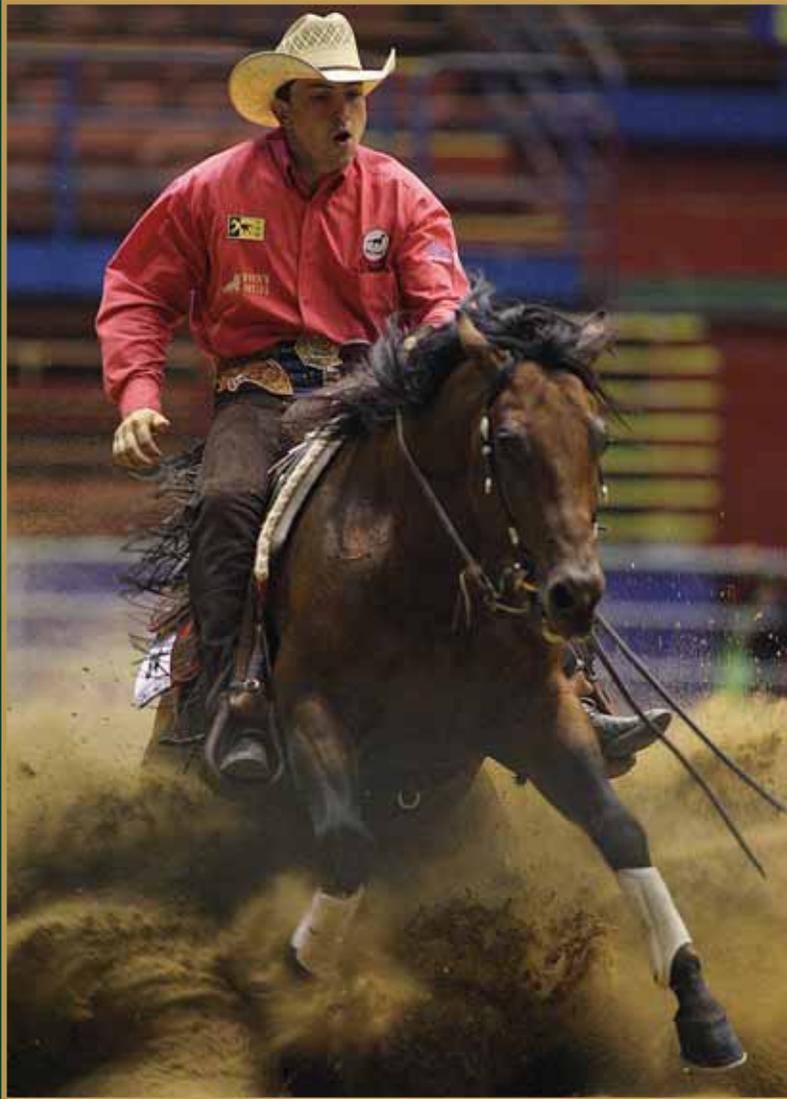
Pantothenic Acid is a component of co-enzyme A, which is vital for the synthesis and degradation processes in the metabolism of proteins, carbohydrates and fats.

Choline

Unlike other members of the B complex, Choline is not a metabolic catalyst, but forms an essential structural component of tissues. For example, it is a component of Lecithin and Acetylcholine. It is synthesised from the amino acid Methionine in the horse's liver, so that the extent of supplementation will depend on the dietary Methionine content. Compared to other B vitamins its requirement as a vitamin is unusually large. It is important in terms of preventing fat accumulation in the liver.

Conclusion

The B complex vitamins are critically important to the well being of the horse. They can be produced to some extent within the animal's body, but their production depends on there being a satisfactory fermentation within the large intestine. Performance horses fed limited amounts of forage should be supplemented.



TRM Sponsored Rider Stefano Massignan, on his way to winning the Italian Reining Maturity Championship in 2007.



Top British Eventer Matthew Wright - TRM products are a vital part of his training routine.



Judy Harvey and Fitzceraldo winner of the TRM Sponsored British Intermediaire II National Dressage Championships.



Proud Borris, whose trainer relies on TRM Nutritional Supplements, winning the Austrian Derby 2007.

Staysound- Better than the rest



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. Staysound is TRM's internationally acclaimed cold clay, which cools, soothes and tightens hot tired legs.

It is made using a highly refined kaolin, of ultra-fine particle size and high brightness from deposits in the South West of England, which means it is easy to apply, and has a superior longer lasting effect. Because of the addition of Natural Thyme Oil to the formulation it is safe to use over minor cuts and abrasions. It also contains Glycerine, which is hydrophilic (water loving) and this ensures that the clay stays moist, continuously drawing heat from the legs. Glycerine also has emollient properties to ensure good skin condition.

It should be routinely applied, about 6mm thick, directly to knees, fetlocks, shins and tendons after periods of training. Staysound is easy to wash off by simply hosing down the legs.

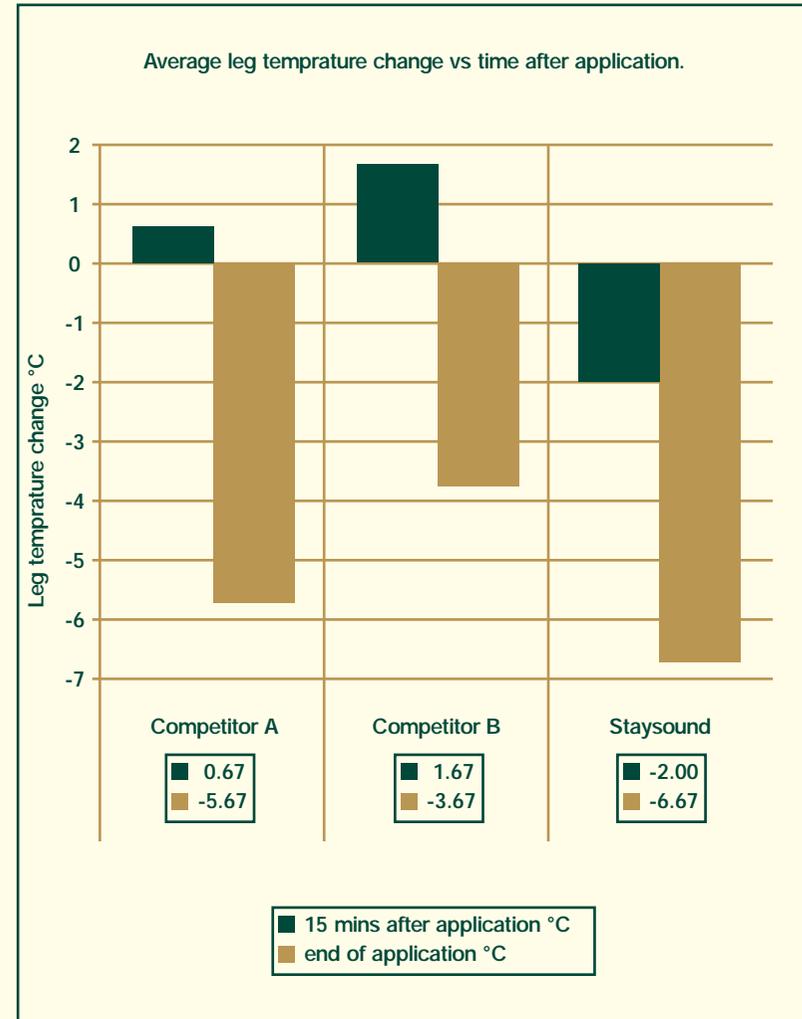
Horse Journal, which is a major publication in the USA covering products, care and services for people who love horses, conducted a survey of all poultices on the market place. The study concluded that poultices are excellent as post-exercise routine leg care, and can be beneficial to chronic injuries. Efficacy is increased where the leg is first cold-water hosed. They counseled against the use of poultices on hot problem areas without doing anything else to control inflammation or cool the legs, particularly when using heavily medicated poultices. Staysound was named as a "top pick" among the non-medicated category, the author of the study noting that it stayed moist longer, holding moisture well in to the 12 hour mark, and that it was easier to remove.

Subsequently a very significant study was conducted in one of the UK's major Equine Physiotherapy Clinic's to ascertain which products were most effective at cooling a leg under normal yard conditions, following the manufacturers recommendations.



In the study three thoroughbreds in full race training were selected, all of which were in regular training with no current injuries.

Temperature measurements were taken using a hand held digital thermometer with a thermocouple probe. The probe was held for 30 seconds on the lateral aspect of the cannon bone, in contact with the skin. Only one foreleg had a product applied while the other foreleg was used as a control. The three leg clays monitored were overnight trials. Temperature readings were taken prior to using the clay, at 15 minutes post application, when the clay was removed, and at ten, twenty and sixty minutes post removal. When the results from all horses were averaged out Staysound was the only clay to produce an initial temperature drop. In addition Staysound was the only clay to produce lower leg temperatures than its control when the clay was removed in all three horses.



Comparison of Staysound with 2 other leading leg clays.

TRM Product Range



STRIDE HA

A Fast Acting Mobility Supplement
page 32



CALPHORMIN

For Optimum Skeletal Development
and Conformation
page 35



GLUCOFLEX

Liquid Mobility Supplement
page 32



2:2:1 SUPERLYTE SYRINGE

Rapid Electrolyte Syringe
page 36



STRIDE

A New Generation Mobility Supplement
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ELECTROLYTE GOLD

Premium Electrolyte Supplement
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STRIDE MP

Maintenance Mobility Supplement
page 33



2:2:1 SUPERLYTE SYRUP

Balanced Electrolyte Syrup
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VITA-E-PLUS

Powerful Antioxidant Formula
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ISOPRO 2000

Isotonic Electrolyte Supplement
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GNF

Gut Nutrition Formula
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MULTIPLEX

B Vitamin Booster Syringe
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BETA CAROTENE, FOLIC ACID AND VITAMIN E

Feed Supplement for Broodmares
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IRONXCELL

Iron and B Vitamin Tonic with Ginseng
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TRM Product Range



HOOFMAKER

The Ultimate Supplement for Hooves
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NEUTRACID

Body Acid Neutraliser
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SPEEDXCELL

Balanced Multi-Vitamin and Mineral Supplement
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CURRAGH CARRON OIL

Omega Enriched Digestive Aid
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PURE POWER CREATINE

High Energy Muscle Food
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CHELATED COPPER

Essential Trace Element
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MUSCLE-UP

A Natural Body Builder
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HEMOREX

For Healthy Lungs
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ELEUTHROMAX

Herbal Anti-Stress Agent
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EQUIVENT

Extra Air Power
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GOOD AS GOLD

A Calming Supplement
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STAYSOUND

Cool & Soothing Leg Clay
page 45



BIOACTIVE

Pre-Race Energy Booster Syringe
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EQUISEPT

Specialist Equine Disinfectant
page 45

Stride HA

A fast acting mobility supplement



Presentation: 1.183L, 3.75L

STRIDE HA is a fast acting liquid formulation for the nutritional maintenance of healthy cartilage and joints in horses, with the additional benefit of Hyaluronic Acid. All performance horses suffer from the rigours of daily training and competition. In particular there is enormous pressure on the articular surfaces. Healthy cartilage and adequate synovial fluid are essential to ensure that the equine athlete can withstand these pressures. STRIDE HA contains four ingredients all of which combine to nutritionally maintain healthy cartilage and joints. It is formulated to be palatable even to shy feeders.

Feeding Instructions

Feed 2 fl oz (approx. 60ml) per day for 7 days.

Thereafter feed 1 fl oz (approx. 30ml) per day.

Composition

	per 1 fl oz (approx. 30ml)
Glucosamine HCl	5,000mg
Methylsulfonylmethane	3,000mg
Chondroitin Sulphate	1,000mg
Hyaluronic Acid	22mg

Gluco-Flex

Liquid mobility supplement



Presentation: 1.2L, 3.75L

GLUCO-FLEX is a liquid feed supplement for the nutritional maintenance of healthy cartilage and joints. Performance horses are pre-disposed to increased wear and tear on their joints. This can lead to an imbalance between the production and breakdown of cartilage tissue. When the rate of breakdown exceeds the rate of production, cartilage tissue will begin to break-up causing erosion of the cartilage matrix. This can lead to serious problems, such as; osteoarthritis, degenerative joint disease and articular lesions in the cartilage tissue. GLUCO-FLEX provides the components necessary for the nutritional maintenance of a healthy cartilage matrix.

Feeding Instructions

To start: 40ml per day for 7 days.

To maintain: 20ml per day.

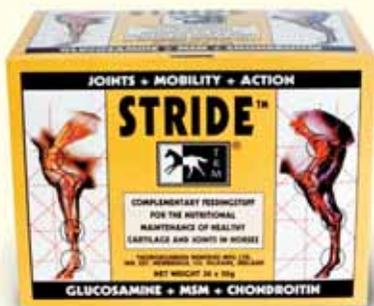
Young horses: 20ml per day.

Composition

	per 20ml	per 1 Litre
Glucosamine HCl	5,000mg	250,000mg
Methylsulfonylmethane (MSM)	2,000mg	100,000mg
Excipient to	20ml	1000ml

Stride

New generation mobility supplement



Presentation: 30 x 50g sachet

STRIDE is a feed supplement in convenient daily feeding sachets which combines the nutritional benefits of Glucosamine HCl, Chondroitin Sulphate and Bioavailable Sulphur. Fed as recommended it will enhance the level of glycosaminoglycans (GAGs) in the joint. These are the building blocks of the cartilage matrix. High levels of Chondroitin Sulphate in the formula act as a “water magnet” in the joint allowing it to withstand constant compression and concussion.

Feeding Instructions

To start: Feed one 50g sachet per day for 60-120 days.

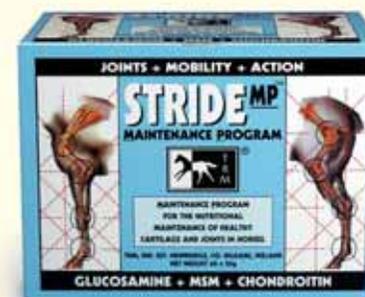
Thereafter for a longer term Maintenance Programme continue to feed with STRIDE MP.

Composition

	per 50g	per 1kg
Glucosamine HCl	3,600mg	72,000mg
Chondroitin Sulphate	2,375mg	47,500mg
Methylsulfonylmethane (MSM)	10,000mg	200,000mg
Excipient to	50g	1kg

Stride MP

Maintenance mobility supplement



Presentation: 60 x 20g sachet

It is recommended to use STRIDE MP after a complete course of STRIDE (or a similar product). If the nutrients for cartilage synthesis are not available in the amounts required, it loses its ability to replenish itself. The proportions of the key nutrients Glucosamine, Chondroitin and MSM in STRIDE MP have been adapted to provide a nutritional Maintenance Programme for a healthy cartilage.

Feeding Instructions

Performance horses: Having completed a 60-120 day feeding programme using STRIDE or another joint supplement at recommended feeding level, feed one 20g sachet of STRIDE MP per day for long term maintenance.

Young horses: Feed one 20g sachet per day.

Composition

	per 20g	per 1kg
Glucosamine HCl	6,250mg	312,500mg
Chondroitin Sulphate	125mg	6,250mg
Methylsulfonylmethane (MSM)	3,330mg	166,500mg
Excipient to	20g	1kg

Vita-E-Plus

Powerful antioxidant formula



Presentation: 30 x 50g, 5kg, 10kg

VITA-E-PLUS is a food supplement which combines the antioxidant activity of the vitamins E, C and selenium combined with Lysine, an essential amino acid, and including the benefits of vitamins B1 and B2. This product contains all the elements necessary, to aid in the prevention of nutritional myopathies in exercising horses. Feeding VITA-E-PLUS will also ensure that broodmares and stallions have sufficient levels of essential nutrients during the winter months for performance and fertility.

Feeding Instructions

Horses in training: Feed 50g per day.

Broodmares & stallions: Feed 50g per day.

Weanlings & yearlings: Feed 50g every second day.

Composition

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

GNF

Gut nutrition formula



Presentation: 3kg, 10kg

GNF is a unique supplement, for daily feeding to horses prone to gastric disturbances. GNF will assist in maintaining optimum gut health and function, allowing maximum utilisation of feed. GNF supplies a unique formulation of prebiotics, amino acids, seaweed extract and specific minerals necessary to aid in the recovery and maintenance of a healthy digestive tract. It is sold in a convenient pelleted formulation.

Feeding Instructions

All horses: Feed 50g twice daily.

Ponies and foals: Feed 25g twice daily.

Composition

	per 100g	per 1kg
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

Beta Carotene, Folic Acid & Vitamin E

Feed supplement for broodmares



Presentation: 3kg

BETA CAROTENE, FOLIC ACID & VITAMIN E occur freely in nature, and are especially high in spring grass. During the early months of the breeding season, levels of these vitamins drop well below normal requirements. TRM have formulated this unique product, which is designed exclusively for breeders, to help condition their mares for the winter breeding season. Important research has highlighted the positive effect that Beta Carotene has on the fertility process of mares. There is an increase in demand for Folic Acid during pregnancy. Vitamin E is fundamental to ensure fertility in the mare.

Feeding Instructions

All broodmares: Feed 50g (1 heaped scoop) per day.

Commence feeding 6 weeks prior to breeding season and continue thereafter, until completion of the first three months of pregnancy.

Composition

	per 50g	per 1kg
Beta Carotene	300mg	6,000mg
Folic Acid	20mg	400mg
Vitamin E	2,000mg	40,000mg
Excipient to	50g	1kg

This product contains micronised Beta Carotene to enhance the intact absorption of this macromolecule.

Calphormin

For optimum skeletal development and conformation



Presentation: 3kg, 10kg, 20kg

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. The foundations for a horse's future success can be laid down before it is even born. Ensuring the broodmare has the correct balance of macro-minerals, trace minerals, and amino acids to pass on to her new born, 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.

Feeding Instructions

Mare in foal (months 9, 10, 11): 120g per day.

Lactating mare: 120g per day.

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

Yearling: 60g per day.

Two year old: 60g per day.

Composition

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

2:2:1 Superlyte Syringe

Rapid electrolyte syringe



Presentation: 3 x 70g

During strenuous, prolonged exercise a horse can lose up to 10 litres of sweat which contains Sodium, Chloride and Potassium. SUPERLYTE SYRINGE has been formulated to rapidly replace these Electrolytes in the same proportions in which they are lost, thus ensuring optimum recovery. The product is fed orally and is particularly convenient immediately after competition, intense training or during transportation.

Feeding Instructions

Horses in training: Feed one syringe of 2:2:1 Superlyte post exercise.

Horses in competition: Feed one syringe of 2:2:1 Superlyte pre and/or post competition/race.

Horses in transit & hot weather: Feed one syringe of 2:2:1 Superlyte per day.

Fresh drinking water should be available at all times.

Composition

	per 70g	per 1kg
Chloride	3,430mg	49,000mg
Sodium	3,440mg	49,140mg
Potassium	1,720mg	24,570mg
Calcium	539mg	7,700mg
Magnesium	270mg	3,860mg
Glucose	20,000mg	285,710mg
Excipient to	70g	1kg

Electrolyte Gold

Premium electrolyte supplement



Presentation: 30 x 50g, 200 x 50g

ELECTROLYTE GOLD is a scientifically formulated product containing essential electrolytes and vitamins in an amino acid and glucose base. Horses cool their bodies by sweating in large amounts and this results in a loss of electrolytes. Packed in convenient single feeding sachets, ELECTROLYTE GOLD will "refresh" horses in training. The addition of high levels of the antioxidant Vitamins E (1000iu) and C (750mg) will also protect muscle tissue by eliminating 'free radicals', noxious by products of exercise. Glycine and Glucose improve the rate of absorption of electrolytes in the gastrointestinal tract.

Feeding Instructions

Horses in training / competition: One 50g sachet per day.

In hot climates and horses in transit: One 50g sachet per day.

Horses in light training: One 50g sachet every second day.

Fresh drinking water should be available at all times.

Composition

	per 50g	per 1kg
Sodium Chloride	10,200mg	204,000mg
Sodium Citrate	1,650mg	33,000mg
Potassium Chloride	8,830mg	176,600mg
Magnesium Sulphate	600mg	12,000mg
Calcium Carbonate	7,400mg	148,000mg
Vitamin C	750mg	15,000mg
Vitamin E	1,000iu	20,000iu
Glycine	6,250mg	125,000mg
Glucose	13,320mg	266,400mg

2:2:1 Superlyte Syrup

Balanced electrolyte syrup



Presentation: 3.75L, 10L

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. This formulation rapidly replaces electrolytes in the same proportions, in a palatable easy to feed syrup. Regular electrolyte supplementation is vital for a horses well being and optimum athletic performance.

Feeding Instructions

Horses in training: Feed 80ml per day.

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

Fresh drinking water should be available at all times.

Composition

	per 80ml	per 1 Litre
Chloride	3,430mg	42,875mg
Sodium	3,440mg	43,000mg
Potassium	1,720mg	21,500mg
Calcium	539mg	6,738mg
Magnesium	270mg	3,375mg
Glucose	20,000mg	250,000mg
Excipient to	80ml	1,000ml

Isopro 2000

Isotonic electrolyte supplement



Presentation: 1.5kg, 10kg

ISOPRO 2000 is a concentrated, scientifically formulated and cost effective electrolyte supplement for daily use in performance horses. The replacement of electrolytes after sweating is essential as metabolic imbalances may result in a lactic acid accumulation, "tying up" syndrome, dehydration and decreased performance. ISOPRO 2000 is naturally flavoured with aniseed, which is highly palatable to the horse.

Feeding Instructions

Horses in training: Feed 60g per day.

Fresh drinking water should be available at all times.

Composition

	per 60g	per 1kg
Sodium	6,691mg	111,524mg
Potassium	5,034mg	83,904mg
Calcium	5,765mg	96,096mg
Magnesium	290mg	4,848mg
Citrate	2,400mg	40,000mg
Carbonate	8,634mg	143,904mg
Bicarbonate	5,229mg	87,156mg
Chloride	11,844mg	197,416mg
Sulphate	1,149mg	19,152mg
Excipient to	60g	1kg
Aniseed Oil Flavouring		

Multiplex

B vitamin booster syringe



Presentation: 3 x 50g

MULTIPLEX is a B Vitamin booster syringe that can be given weekly to horses in training, to promote a good appetite or as a pre - competition booster.

The B Vitamins play important roles in red blood cell physiology and in energy metabolism and are therefore key nutrients for exercising horses. Whether horses are capable of synthesising adequate quantities has been questioned. Increasing energy expenditure leads to an increase in the requirements of these essential B Vitamins.

Feeding Instructions

Feed one syringe of MULTIPLEX per week.

Composition

	per 50g	per 1kg
Vitamin B12	5,000mcg	100,000mcg
Vitamin B6	250mg	5,000mg
Vitamin B1	1,000mg	20,000mg
Excipient to	50g	1kg

Ironxcell

Iron & B vitamin tonic with ginseng



Presentation: 3.75L, 10L

IRONXCELL is a premium Iron Enriched B vitamin syrup with added Ginseng for top performance.

Competition 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.

Feeding Instructions

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

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

As a general tonic: Feed 60ml daily.

Composition

	per 60ml	per 1 litre
Elemental Iron	150mg	2,500mg
Vitamin B1	150mg	2,500mg
Vitamin B2	75mg	1,250mg
Vitamin B6	25mg	417mg
Vitamin B12	150mcg	2,500mcg
Niacin	200mg	3,333mg
d-Pantothenic Acid	80mg	1,333mg
Folic Acid	20mg	333mg
Biotin	0.5mg	8mg
Siberian Ginseng	360mg	6,000mg
Excipient to	60ml	1,000ml

Hoofmaker

The ultimate supplement for hooves



Presentation: 60 x 20g, 500g, 5kg

HOOFMAKER provides all the nutrients necessary to protect and nourish every layer within the hoof horn. This sulphur enriched formula will ensure that important nutrients are supplied to the horses diet, to optimise hoof growth and improve integrity of the hoof. It contains a concentrated source of the sulphur rich amino acid Methionine and the sulphur rich nutrient MSM. Keratin sulphate the structural component of the hoof horn has a high sulphur content. It contains a very high level of Biotin 37.5mg per daily serving. Also included are Calcium, essential for cohesion in the hoof wall, Zinc which is required for healing of all epidermal tissue and other amino acids which are the building blocks of protein.

Feeding Instructions

Adult horses: Feed 20g per day.

Ponies and foals: Feed 20g 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.

Composition

	per 20g	per 1kg		per 20g	per 1kg
Biotin	37.5mg	1,875mg	Lysine	82mg	4,100mg
Calcium Carbonate	7,500mg	375,000mg	Leucine	64mg	3,200mg
Methylsulfonylmethane	2,500mg	125,000mg	Valine	50mg	2,500mg
Methionine	2,500mg	125,000mg	Phenylalanine	44mg	2,200mg
Zinc Oxide	750mg	37,500mg	Threonine	38mg	1,900mg
Glycine	510mg	25,500mg	Isoleucine	28mg	1,400mg
Proline	360mg	18,000mg	Histidine	16mg	800mg
Hydroxyproline	282mg	14,100mg	Tyrosine	10mg	500mg
Glutamic Acid	228mg	11,400mg	Serine	8mg	400mg
Alanine	174mg	8,700mg	Cystine	2mg	100mg
Arginine	162mg	8,100mg	Cysteine	2mg	100mg
Aspartic Acid	132mg	6,600mg			

Speedxcell

Balanced multi-vitamin & mineral solution



Presentation: 3.75L, 10L

SPEEDXCELL is a balanced Multivitamin and Mineral Supplement, fully in 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. SPEEDXCELL is designed to bridge the gap between the increased nutritional requirements of competition horses, and an environment that is supplying fewer vitamins and minerals from natural sources.

Feeding Instructions

All horses: Feed 60ml per day

Ponies and foals: Feed 30ml per day

Composition

	per 60ml	per 1 Litre		per 60ml	per 1 Litre
Vitamin A	40,000iu	666,667iu	Niacin	150mg	2,500mg
Vitamin D	6,500iu	108,333iu	Elemental Iron	100mg	1,667mg
Vitamin E	800iu	13,333iu	Manganese	200mg	3,333mg
Vitamin K	10mg	167mg	Copper	60mg	1,000mg
Vitamin B1	70mg	1,167mg	Zinc	225mg	3,750mg
Vitamin B2	60mg	1,000mg	Iodine	3mg	50mg
Vitamin B6	30mg	500mg	Cobalt	1.5mg	25mg
Vitamin B12	120mcg	2,000mcg	Selenium	0.4mg	6.67mg
Biotin	1.5mg	25mg	Siberian Ginseng	180mg	3,000mg
Folic Acid	50mg	833mg	Excipient to	60ml	1,000ml
d-Pantothenic Acid	60mg	1,000mg			

Pure Power Creatine

High energy muscle food



Presentation: 1kg, 2.25kg

Creatine is a nutrient found naturally in the body. Creatine when ingested bonds with phosphoric acid to form the high energy compound 'creatine phosphate'. It is this energy rich compound that will keep muscles working at maximum output for longer. By supplementing with PURE POWER CREATINE you are ensuring the maximum availability of Creatine.

CAUTION: The use of this product may contravene the rules of equestrian competition. The manufacturer recommends consultation with your governing body.

Feeding Instructions

Loading - 56g (2oz) = 4 heaped scoops twice per day for 5 days.

Maintenance - 28g (1oz) = 2 heaped scoops once per day thereafter.

Composition

	per 28g (per oz)	per 1kg
Creatine Monohydrate	28,000mg	1,000,000mg

Muscle-Up

A natural body builder



Presentation: 960ml

MUSCLE UP is a feed supplement made with highly 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.

CAUTION: The use of this product may contravene the rules of equestrian competition. The manufacturer recommends consultation with your governing body.

Feeding Instructions

All horses: Feed 15ml per day.

For best results it is recommended to feed MUSCLE-UP continuously for two months.

Composition

	per 15ml	per 1 Litre
Gamma Oryzanol	1,200mg	80,000mg
Excipient to	15ml	1,000ml

Eleuthromax

Herbal anti-stress agent



Presentation: 7 x 40g, 100 x 40g

ELEUTHROMAX contains active ingredients extracted from the roots of the Siberian Ginseng (*Eleutherococcus Senticosus*) plant. The active components in ELEUTHROMAX are called eleutherosides. These eleutherosides have a wide range of activities, the most important of which is their ability to increase resistance to stress. ELEUTHROMAX given through the season can add vitality and consistency to a horse's year round performance.

Feeding Instructions

Pre-race: One 40g sachet, per day starting 3 days prior to race day, one on race day and one the day after.

Work days: One 40g sachet either the evening before work or that morning.

Counter stress: One 40g sachet per day for seven days, e.g. seven days prior to long distance travel.

Composition

	per 40g	per 1kg
Eleutherococcus Extract	12,500mg	312,500mg
Excipient to	40g	1kg

ELEUTHROMAX is made to a guaranteed standard composition through analytical identification of the eleutheroside content using the H.P.L.C. method.

Good as Gold

A calming supplement



Presentation: 6 x 40g, 500g, 1.5kg

GOOD AS GOLD should be fed to nervous, hot or stressed horse. It contains a high concentration of L-Tryptophan, an essential amino acid and Vitamin B1 (Thiamine); as well as the antioxidant Vitamin E. Trainers have noted that after a few days of feeding supplemental levels of these ingredients, horses become more relaxed and attentive.

Feeding Instructions

Pre-competition: Feed 50g/1 sachet of GOOD AS GOLD per day, 3 to 4 days prior to competition.

Stressful situations: Feed 50g/1 sachet of GOOD AS GOLD per day, 3 to 4 days prior to these situations.

Maintenance: Feed 25g/half sachet per day.

Composition

	per 50g	per 1kg
L.Tryptophan	6,000mg	120,000mg
Vitamin B1	150mg	3,000mg
Vitamin E	1,000iu	20,000iu
Excipient to	50g	1kg

GOOD AS GOLD 40g concentrated sachet contains the same active materials as 50g from a multi dose pack.

Bioactive

Pre-race energy booster syringe



Presentation: 3 x 60g

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, Siberian Ginseng and Vitamin B12 in a convenient dosing syringe to ensure your horse 'stays the distance'.

Feeding Instructions

Feed one syringe of BIOACTIVE each day for 2 days before the race/competition and one syringe the morning of the race/competition.

Composition

	per 60g	per 1kg
Trimethylglycine	7,738mg	128,967mg
Vitamin B12	1,110mcg	18,500mcg
Eleutherococcus Extract	3,868mg	64,467mg
Bee Pollen	16,900mg	281,667mg
Excipient (Honey) to	60g	1kg

Neutracid

Alkali replacer for horses



Presentation: 3.75L, 10L

NEUTRACID is a body acid neutraliser and alkali replacer for horses. Sodium Citrate has a neutralising effect on lactic acid which accumulates in the bloodstream and muscle tissues. Citric Acid metabolites act as a buffer when there is an alkali deficiency or if acidosis occurs.

Feeding Instructions

Horses in training: 90ml per day in evening feed.

After competition: Give an extra 30ml in the evening feed.

Composition

	per 90ml	per 1 litre
Sodium Citrate	27,720mg	308,000mg
Citric Acid	9,240mg	102,667mg
Excipient to	90ml	1,000ml

NEUTRACID should be fed in conjunction with an electrolyte, such as Electrolyte Gold.

- Do not exceed the recommended feeding instructions without consulting your Nutritionist or Veterinarian.
- Horses should always have access to fresh drinking water.

Curragh Carron Oil

Omega enriched digestive aid



Presentation: 4.5L, 20L

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 and assists in the maintenance of a healthy circulatory system.

Feeding Instructions

All horses: Feed 60ml per day

Ponies and foals: Feed 30ml per day

Composition

	per 1 litre
Calcium Hydroxide Solution	518g
Linseed Oil	432g
Of which:	
Linolenic (Omega 3)	233.28g
Linoleic (Omega 6)	69.12g
Palmitic	21.17g
Stearic	15.55g
Oleic (Omega 9)	90.72g

Chelated Copper Syrup & Gel

Essential trace element



Presentation: 1.2L, 5 x 35g Syringe

CHELATED COPPER SYRUP & CHELATED COPPER GEL are quality products which have been formulated to provide horses with an easily absorbed form of copper. TRM's CHELATED COPPER products are the result of the bringing together of the trace mineral copper and amino acids. This process greatly enhances the absorption of the copper across the gut wall into the horses body. Inorganic copper supplements (e.g. sulphates) cannot be absorbed as easily and part of the base element is lost via excretion.

Feeding Instructions

CHELATED COPPER SYRUP:

Adult Horses: Feed 25ml per day.

Foals & Yearlings: Feed 15ml per day.

CHELATED COPPER GEL:

Oral Supplement for Adult Horses: Place nozzle on back of horses tongue and dispense one full syringe every 7-14 days.

Oral Supplement for Foals and Yearlings: Place nozzle on back of horses tongue and dispense half a syringe every 7-14 days.

Composition

Chelated Copper Syrup:		
	per 25ml	per 1 litre
Chelated Copper (Elemental)	200mg	8,000mg
Syrup base to	25ml	1,000ml
Chelated Copper Gel:		
	per 35g	per 1kg
Chelated Copper (Elemental)	400mg	11,428mg

Hemorex

For healthy lungs



Presentation: 500g, 1.5kg & 30g Syringe

HEMOREX POWDER and HEMOREX RACE DAY SYRINGE are quality products formulated for feeding to performance horses to nutritionally support pulmonary function.

HEMOREX POWDER is a unique combination of Vitamin K, which is needed in the liver to activate the proteins that are involved in blood coagulation, Vitamin C which protects against oxidation induced damage, and Bioflavonoids which improve the elasticity of the capillaries. It should be fed daily, preferably from the time horses commence training.

HEMOREX RACE DAY SYRINGE is specially designed to provide essential nutrients on the morning of the race, including 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.

HEMOREX RACE DAY SYRINGE

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

Composition

Hemorex Powder

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

Hemorex Race Day Syringe

	per 1kg
Vitamin C	590mg
Iron	4.3mg
Zinc	1.5mg
Derived from natural plant extracts of Althaea Officinalis Rad., Arctostaphylos uva ursi, Zea Mays and Juniperus communis.	

Equivent Syrup

Extra air power



Presentation: 1L

EQUIVENT SYRUP is a dark sticky syrup with essential oils made to a traditional recipe. Horses are very sensitive to airborne irritants in the environment which may cause stuffiness or congestion. When fed, EQUIVENT SYRUP remains in the horses mouth and throat delivering the soothing aromas and vapours of essential oils for more 'Air Power'.

CAUTION: The use of this product may contravene the rules of equestrian competition. The manufacturer recommends consultation with your governing body.

Feeding Instructions

Adult horses: Feed 60ml twice daily for 7 consecutive days.

Yearlings & ponies: Feed 30ml twice daily for 7 consecutive days.

Composition

	per 60ml	per 1litre
Pinus Sylvestris	600mg	10,000mg
Mentha Piperita	300mg	5,000mg
Pimpinella Anisum	300mg	5,000mg
Potassium Iodide	600mg	10,000mg
Syrup base to	60ml	1,000ml

Staysound

Cool & soothing leg clay



Presentation: 1.5kg, 5kg, 11.35kg, 20kg

STAYSOUND is an internationally acclaimed cold clay which cools, soothes and tightens hot tired legs.

STAYSOUND 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.

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

Montmorillonites
Aluminium Silicate
Sodium Borate
Glycerine
Natural Thyme Oil
Purified Water

Equisept

Specialist equine disinfectant



Presentation: 50 X 10g tablets per tub

EQUISEPT is a broad-spectrum disinfectant in a new, easy-to-use tablet format. It readily dissolves in water to provide a powerful disinfectant solution.

Indications for Use

Clean first! It is not possible to disinfect dirt, so before disinfection remove all dirt and debris; scrape and brush all surfaces (vacuum if necessary); then power wash or use a power nozzle from the mains water supply.

Areas of Use

All surfaces (floors, walls, doors, etc.), Feeding/Drinking Equipment, Stables, Transport, Footwear Baths, Rubber Boots, Brushes, Water Tanks and Drinking Lines, Bulk Silos.

Dilutions

EQUISEPT is presented as a 10g effervescent tablet (containing 5g Troclocosene Sodium (NaDCC) - (the active ingredient).

Normal Use Rate: (300 ppm available chlorine)

50 tablets in 500L water

5 tablets in 50L water

1 tablets in 10L water

Double Use Rate: (600 ppm available chlorine)

(Porous Surfaces / First Time Users)

100 tablets in 500L water

10 tablets in 50L water

2 tablets in 10L water

Application By:

Power-Spray, Back-pack Spray, EquiSept-soaked cloths or Atmospheric Fogging.



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