# FEED TIMES

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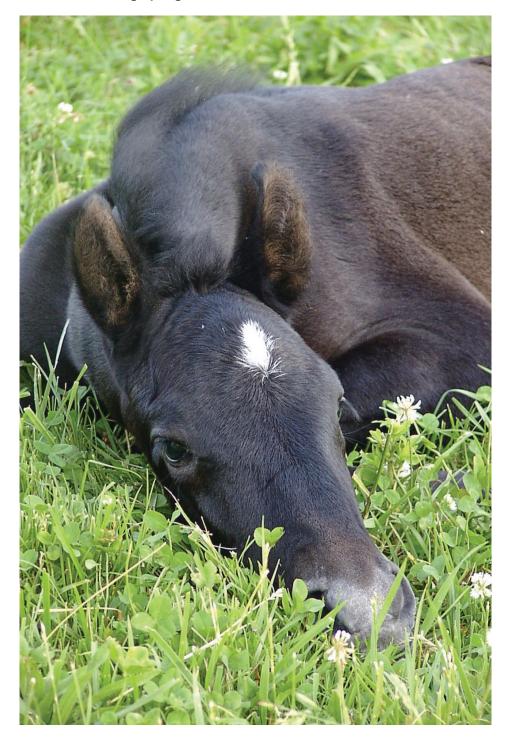
Issue 6 Spring/Summer 2017



Feed <sub>That</sub> Performs

# A critical period for broodmares

Spring and early summer are a critical period for broodmares. During this time, they give birth and start lactation (milk production). In the same period, they are also covered again and hopefully become pregnant. To obtain the best of results, i.e. a healthy foal with good overall development, and a broodmare that milks well and becomes pregnant again when covered, owners must provide a well-balanced and highly digestible ration.



Nutritional needs change during the different phases of a broodmare's life. Before the first mating, the mare's nutritional requirements are similar to maintenance requirements if she is not in training or any type of work. In pregnancy, nutritional needs increase very little over the first 7 months, due to a comparatively low fetal growth rate during this period. During the final third period of pregnancy, however, fetal growth speeds up and nutrient requirements increase gradually from the 8th to the 11th month. This means that energy requirement immediately prior to foaling is about 30 percent higher than for maintenance. Similarly, the need for other nutrients increases, and the requirements for protein, calcium and phosphorus all increase to between 75 and 85 percent above maintenance requirements.

After foaling, milk production increases rapidly and will reach a maximum after 3-4 weeks. At peak of lactation a mare will produce about 3 litres of milk per 100 kg body weight per day. Compared with maintenance requirements, energy requirement is now doubled, and the requirement for protein, calcium and phosphorus increases nearly three times. It is easy to understand that this places very high demands on the quality and composition of the ration.

Fertility is affected by nutritional status.

After foaling the mare must produce milk for the foal, and should in addition have the energy required to come directly into estrus after about 9 days (the foal heat) and then again after 30 days if not conceiving during the foal heat.

If the mare is thin or not fed properly after foaling, both estrus strength and also the mare's ability to keep a fertilized egg and develop a healthy fetus will become affected. It is therefore important to feed adequately during the latter stages of pregnancy, and thus have a broodmare with good body condition at foaling.

Adequate intake of energy and protein should also be secured when the mare is sent to the stallion for mating. Both nutritional and environmental stress are negatives for a mare's fertility. Mares with foals are particularly susceptible and are easily stressed in a new environment. We have to put extra effort into creating the best possible environment for mares and their foals, preferably out on good pastures.

Once the mare and foal are let out on pasture for the summer, most people expect that the pasture grass will cover the nutritional needs. However, it remains very important to keep a close watch during the grazing season. Are the mares maintaining good condition? Is the quality and amount of grass decreasing? Broodmares and foals have substantial nutritional needs and should be offered the best of pastures with access to a salt lick, usually one with additional extra minerals

#### ASK Pegus experts to balance your mare's ration

As noted, a mare's nutritional requirements will change throughout the year. To ensure a good nutritional status for broodmares, the Pegus team use PC Horse program will help greatly. When you enter the date of mating, Pegus PC-Horse will keep track of the stages of pregnancy and calculate nutritional requirements accordingly. After foaling, you should remember to redefine the mare from pregnant to lactating and register the foaling date. This will enable Pegus PC-Horse to calculate nutritional requirements according to the mare's estimated milk production, and you will be able to adjust your feeding to changing conditions.

#### What does this mean in practice?

Daily intake of roughage varies based on feed quality, production classes, individual appetite and each individual's place in the herd hierarchy. This means that we must observe horses in a herd closely and make corrections to the feed offered each individual at night-time or early morning to avoid some individuals growing too fat or too thin.

#### **Energy For Milk Production**

The requirement for energy during lactation is determined by the rate of milk production and the composition of the milk. Smaller breeds usually have a higher rate of milk production relative to body weight than larger horses. This is provided for in the programme.

Milk production in mares, per 100 kg body weight					
Body weight	1. month	2. month	3. month		
Less than 200 kg	3.0	3.5	3.0		
More than 200 kg	2.5	3.0	2.5		

Energy requirements for milk production, MJ per 100 kg body weight					
Body weight	1	2-3	4-5		
Less than 200 kg	12.9MJ	13.0MJ	10.6MJ		
More than 200 kg	10.8MJ	11.2MJ	8.9MJ		



### COOL MIX (LITE)

A special formulated low molasses, oat free mix with a blend of grains and fibres. This delicious mix has been developed with cooked grains and fibres coated with soya oil for cool energy. Offering a lower sugar index than standard feeds. Providing a slower release of energy for the excitable competition horse and pony.

Fully fortified with Pegus Equine premix supplement ensures that your horse has their fully daily balanced vitamins and minerals.

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# Far Away Fields

Recognised as one of Irelands first and largest horse feed companies, Pegus Horse Feed has developed a loyal following thought out these shores and far away fields in Europe.

Pegus Horse Feed was established more than 50 years ago in Ireland by the Stone family in Dublin 1966, the company takes pride in its traditional family heritage, and values of trust, integrity, quality and commitment to exceptional customer service. Today's horse owners expect a lot from their feed suppliers. They expect a quality product that incorporates the most current advances in equine nutrition. The recipes of classical feed mixtures are still strongly based on the original formulas, so that the brand has been able to develop with consistency and tradition.

With the introduction of Pegus Horse Feed in Austria, 1973, the range was extended according to the existing philosophy. Pegus Horse Feed developed into a successful brand in Austria within this short time, so that in Austria in 2015 more than 20% market share could be achieved. In addition to the stable and good quality of the feed, this success is due not least to our prestigious partners. With some very famous customers in Vienna, the world famous Spanish Riding School. Pegus Austria with the Spanish Riding School and their breeders worked closely to develop a feed plan suitable for the Lipizzaner Stallions, from broodmares though young stock and the performance selected horses. The Spanish Riding School of Vienna is the oldest riding school and the only institution in the world where classical riding has lived and cultivated the Renaissance tradition of the "High School" for more than 450 years. The "Hofreitschule" served the training of the young nobility for the arts and war. For this, the most beautiful riding hall in the world was built as a winter school in the Hofburg in Vienna. The Stallburg, houses 72 of the famous white stallions, and is Vienna's oldest and most important Renaissance building.

The core assortment of Pegus Horse Feed is produced by Garant Tiernahrung GmbH in the plants Pöchlarn and Aschach. Garant Tiernahrung has more than 60 years of expertise and the highest competence in animal feed production, and has thus established an international reputation as a manufacturer of top-quality feedstuffs. Continuous controls along the production process guarantee product safety, quality and constant recipes. All

other special varieties of the Pegus Horsefeed brand are produced in Germany by excellent and constantly controlled feed manufacturers and guarantee the same quality. Garant Tiernahrung GmbH now provides Pegus feed for Austria, Germany, Slovakia, Czech Republic, Netherlands, and Luxembourg



One of the earliest manufacturing partnerships was with the Maurizzi Family in Italy in the 70s. The family company Isola Verde is the licensee and manufacturers exclusively for Italy of the prestigious line of feeds for Pegus Horse Feed. Thanks to the close relationship between the Stone family and Maurizzi family, the brand soon developed into one of Italy's leading equine feeds. Serving a large part of the sporting sectors of Western Riding, Eventing, Trotting Racing and Jumpers. Even today, with over 50 years of history on his shoulders the company continues today to expand its range and partnership with Pegus back in Ireland and attend many shows though the year in Italy. Isola Verde is still in the hands of Maurizzi family, with Omer Maurizzi directing operations. Today Pegus Italy under the management of Isola Verde is a force in the horse feed industry becoming a major company with regarding production and distribution of Pegus Horse Feed, bedding and forage for horses.



# Horsehealth Cubes - Cooler Than Cool

### Low GI - High Performance

The benefit of feeding high oil feed products is furthered by their inherent low glycemic index. The glycemic index measures the effect the feed has on blood glucose (sugar) and insulin - a high glycemic index means the feed produces a rapid rise in glucose and insulin, followed by a rapid fall in blood sugar. The reason this is important, is because a drop in blood sugar indicates a lack of glucose availability for the muscle and brain - and this has a negative effect on performance . The concentrations of glucose in the blood plasma of horses on oil-enriched diets are higher compared to horses fed high-starch diets. This effect on the glucose concentration, also known as a 'glucose sparing effect', has been described repeatedly in horses on oil-rich feeds, both during and after exercise. Raw grains cause a large increase in blood sugar which predisposes the horse to early fatigue as blood glucose and carbohydrate stores in muscle are rapidly used up and fat utilisation is inhibited. Increased insulin also increases muscle permeability, which in turn is detected by increased plasma muscle enzyme levels (blood CK). The highest glycemic response occurs with sweet feed, followed by oats and corn, however; supplementing high starch diets with an oil-rich concentrate such as Pegus Horsehealth Low Gi decreases this all important glycemic response. A low glycemic index means the feed causes a slow and sustained rise in blood glucose. Oils have a low GI, rice bran also has a low GI and this, combined with its high oil content; makes it the ideal feeding supplement for maintaining blood sugar levels in race horses. Research shows that rice bran supplemented horses also show lower lactate levels and lower heart rates during exercise, giving an added edge. Lactic acid accumulation after exercise can limit performance, and any factor that can lower lactate production can be beneficial for performance. The effects of feeding heatstabilized rice bran versus corn oil were compared in a scientific study. During strenuous exercise, horses fed rice bran had lower lactic acid levels, lower heart rates, and subsequent shorter recovery periods than horses fed corn oil. This is also true when fats (like rice bran) were compared to high-starch feeds.

### Horses are poor starch digestors

- Rapid rate of passage
- Up to 70% of grain starch may escape pre-caecal digestion

### When large grain meals are fed to horses

Starch may escape digestion in the small intestine

- Rapidly fermented in the cecum and colon
- · Volatile fatty acid (VFA) and lactic acid production increases
- · a significant decrease in pH
- Decreased pH
- Acidic conditions:
- damage intestinal mucosa
- · Alter microbial populations
- Hindgut Acidosis (HGA)

Hind gut acidosis Sub clinical acidosis

- Poor performance
- · Decreased fed intake
- · Mild colic
- · Behavior stall walking, wood chewing
- · Can lead to colic and laminitis

Hind gut acidosis is a term covering various symptoms associated with acidic conditions in the hind gut. If acidic conditions are resolved, these symptoms can be reversed. Chronic acidic conditions can lead to serious problems such as colic and laminitis. Pegus Horse Feed Horse-health Cube low starch formula has been designed to reduce the possible issues that may occur while feeding high levels of grain in a performance horse's diet.

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Content comparision with other feeds						
Feed	Protein	Oil	Fibre	Starch	Energy	Rice Bran
Racehorse Cubes	14	4-5	10-11	35-40	11-12	0
Horsehealth	13	10	17	13	14	yes
Horsecare	14	6.5	14	25	11.5	0
Racing Mix	14	4-5	10	45-50	12.5	0

# HORSE HEALTH CUBES Low GI - High Performance





Bone Development



Muscle Development

# Cobalt in the Horse Diet

In addition to being a naturally occurring trace mineral in horse rations, cobalt has also been associated with the doping of racehorses around the world. So, what are the functions of cobalt in the body? What is the recommended requirement for cobalt, and what are safe amounts to feed in rations for racehorses?

### Function of cobalt (Co) in the body

Cobalt is an essential trace mineral used by microorganisms in the horse's caecum and colon in the synthesis of vitamin B12. Cobalt in the form of vitamin B12 is needed, together with iron and copper, in the formation of red blood cells (erythropoiesis).

#### Requirement

The NRC 2007 requirement for cobalt is set to 0.05 mg per kg dry matter in the ration. This means that an adult horse, weighing 500 kg, will need 0,5 - 0,7 mg per day. A cobalt deficiency would be expected to result in a vitamin B12 deficiency. However, cobalt or vitamin B12 deficiency has not been reported in horses, and is difficult or impossible to induce experimentally. This implies that under normal conditions horses receive enough cobalt to sustain the intestinal microbes in their synthesis of vitamin B12.

#### Sources of cobalt in horse rations

Cobalt is found in natural horse feeds in minute amounts. Typical concentrations in forage will be 0.04-0.08 mg per kg dry matter, and lower for grains. However, these values may vary between areas and countries based on their local soils.

Compound feeds for horses typically contain 0.3-0.9 mg per kg and mineral supplements from 5-20 mg per kg, depending on the daily amounts recommended by the producer (normally less than 100 grams/d).

#### Cobalt and the doping of race horses

Recently, reports have appeared about horse trainers who have supplemented horses with much higher amounts of cobalt than recommended, presumably believing that high intakes can increase the production of red blood cells. Whether it works or not is not known. One of the big concerns is the negative side effects of overdosing horses with cobalt. In humans, overdoses have reportedly led to organ damage, impaired thyroid activity and even to death.

Some studies showed that after oral administration of high doses of cobalt (more than 200 mg/d) to racehorses, no positive effects on red blood cells were found. Instead of physiological changes that could help a horse to run faster or endure more sustained levels of activity, the opposite was observed: profuse sweating, muscle trembling, restless circling, horses dropping to their knees, and brief periods of collapse.

#### In conclusion

Feeding cobalt in the recommended daily amounts leads to blood levels of 0.5 – 3 micrograms per litre. When it comes to doping regulations, an upper threshold for cobalt in the blood plasma of racehorses has been set at 25 micrograms per litre and in urine at 100 micrograms per litre. To obtain such levels of cobin blood or in urine you would have to feed cobalt in amounts far above the recommended amounts, or to inject the element directly into the blood stream.

Pegus PC-Horse calculates the cobalt requirement for all types of horses, and also calculates the total amount of cobalt in each ration. By using PC-Horse when composing your rations, you will always know what the requirement of each individual horse is and how much cobalt each ration contains.

# Supplements of the Month

### XTROLYTE LIQUID & POWDER

Speeds the return to peak condition after racing, traveling or heavy work.

### EQUI-BALANCE

A low-starch, low-calorie concentrated source of vitamins and trace minerals for all classes of horses.

### GASTRO SHIELD

Relief from ulcers without compromising protein digestion.



# Happy Customers of all sizes!



Supreme Champion at the Pegus Gala Weekend at Gransha, Sylvia Henry on Homegrown Phoenix



Reserve Champion at the Pegus Gala Weekend at Gransha, Ellie McDonnell on Barnes Rosanna



Supreme Champions at Gransha - the stallion Lougherne Charity Blue and rider Conor O'Hare. Congratulations to Jane Allen-Collins and Conor.



Sophie Richards was leading Irish rider at Ballindensik CCI\*\*



Sara Ennis put in a fantastic Badminton performance again



During chewing, feed is mixed with saliva, which is secreted in copious amounts. How much is secreted and what stimulates salivary secretion?

During chewing, feed is mixed with saliva, which is secreted in copious amounts. Horses may secrete 40-90 ml saliva per minute, ponies comparatively less (20-60 ml). The jaw movements, and the taste and the smell of feed stimulate salivary secretion. The structure of the feed will affect the amounts of saliva which are produced. Both the chewing time and salivary secretion are much greater when roughages are fed because of their much higher fibre content (Table 4).

The saliva of horses does not contain digestive enzymes, but provides minerals and a buffer (sodium bicarbonate) which neutralises acids produced during the fermentation of carbohydrates which may occur in the upper part of the stomach.

Saliva is required for lubricating food before it is swallowed. When eating, balls of saliva and food of between 30 and 70 grams form, these are swallowed about every 30 seconds. The dry matter content of these balls varies with the type of feed and the chewing time. Typical values for concentrates are 40-50% and for roughage 20-30% (Meyer 1986).

Salivary secretion whilst chewing different feeds			
Feed type	Saliva production		
Hay and straw	3 - 4		
Concentrate	1		
Grass	1		

### Products <sub>That</sub> Perform

## DIGESTAID

Supplying live yeasts which are beneficial to the horse to stabilise intestinal flora and digestion in cases of gastric disturbance. Use in times of digestive disturbance in times of stress.

PEGUS

EQUINE HEALTH RANGE

Plus: Threonine - An essential amino acid for gut health. High concentrations of Threonine are needed for mucous secretion in the gut. These secretions help protect the gut wall from:

- Pathogens and endotoxins
- Water loss
- Physical damage
- Digestive enzymes
- B Vitamins Promoting a healthy digestion in your horse.

Supporting against inappetance

Vitamin E - Improved immune response and disease resistance

Vitamin C - Natural antioxidant

When to use Digestaid:

- Following deworming
- During and after antibiotic treatment
- During digestive disorders
- Poor feeders
- Travelling
- Foals at birth

- During veterinary treatment
- Colic
- During incidence of diarrhoea
- Prior to and during training
- Mare at foaling



Pro Booster is a balanced multi-vitamin & trace element booster for horses, ponies. Containing Omega 3 plus 20 key micro nutrients including, Albion MAAC's which are fully protected to ensure a high level of bio-availability. Minerals in this form are better protected against adverse interactions in the gut and are easily absorbed. MAAC's are resistant to antagonists such as sulphates and molybdenum. A large amount of suspected deficiency is not as a result of primary deficiency but secondary interaction rendering the minerals in the diet unavailable to the horse.

Pro Booster supports

- Race/Event performance
- Immunity & health
- Fertility

When to use:

- Booster for horses in training
- Conditioner for horses for sales
- · Easy to administer

- Metabolism
- Hair & coat condition
- Conditioner for horses racing
- Support for horses recovering from an illness
- Exceptionally palatable

### Farriers' Blend



Nutritionally supporting hoof growth & integrity.

Farriers' Blend provides nutrients to support and nourish the hoof. This sulphur enriched formula supports hoof growth and the integrity of the hoof, with MACC Chelated zinc for maximum absorption

- Biotin
- Amino Acids
- MSM
- Chelated Zinc
- Chelated Copper







# JOINT-A-FLEX HA 💿

### Joints · Mobility · Action

Omega 3 + Glucosamine + MSM + Chondroitin + Hyaluronic Acid Joint-A-Flex a new generation feed supplement to support mobility in horse.

- Omega 3 research has shown Omega 3 may safely support the relief of inflammation and pain caused by arthritis, as well as slowing joint dehydration.
- Hyaluronic Acid is composed of d-Glucoronic acid and N acetyl D glucosamine and is found in both the extracellular and intr cellular matrix, especially in the soft connective tissues of horses. Hyaluronic Acid is noted for its ability to form highly viscous solutions making Hyaluronic acid the primary constituent of Synovial fluid (JOINT LUBRICANT) in the joints of horses.
- Glucosamine enhances the level of glycosaminoglycans in the joint. These are the 'building blocks' in the cartilage matrix. Gl cosamine will increase the hyaluronate content in the joint. Hyaluronate is a fundamental component of synovial fluid - the joint lubricant.
- Chondroitin Sulphate is a natural 'water magnet' in the joint to withstand constant compression and concussion. Chondroitin sulphate also inhibits 'the cartilage chewing' enzymes that are present in damaged joints
- Chelated Zinc together with sulphur forms the structural tissue we know as keratin
- Vitamin E Proven antioxidant
- Lysine Essential building block for muscle protein





To supplement amino acids and other nutrients to support muscle development in the horse.

- Concentrated Amino Acids
- Gamma Oryzanol
- Creatine
- Carnitine



A liquid electrolyte that is mixed in the feed daily. Xtrolyte Liquid does not contain any banned substances. Recognised by many top trainers and riders as an essential part of the diet for performance horses and racehorses. Speeds the return to peak condition after racing, traveling or heavy work. provides a convenient liquid form that is more acceptable to horses. Some horses are reluctant to take powdered minerals.

Instructions For use Feeding Rate: 60 - 120ml per horse per day, depending on work load.

### Xtrolyte Powder



A powdered electrolyte horse supplement to aid the replacement of essential electrolyte losses. Xtrolyte powder has been designed so that it can be mixed in the feed or dissolved in water. Xtrolyte powder is of a lower specification than the liquid electrolytes, but is often favoured for its value for money. Xtrolyte powder meets the demand for electrolyte losses occurring after low medium intensity exercise.

Instructions For Use Feeding rate: Up to 100gms per horse per day.









# KARRON OIL

Karron Oil is a high quality flaxseed oil emulsion containing highly prized omega 3 and 6 essential fatty acids. Omega 3 can be low in horses fed preserved forages and concentrates. Flaxseed oil contains naturally occurring omega 3 and 6 that horses need. The omegas are well known to improve skin and coat health, leading to a lustrous shine. They are particularly supportive of the immune system as both are antioxidants, which guard against tissue damage. Omega 6 is involved in immune reaction regulation while omega 3 is a natural anti-inflammatory and can help dampen harmful immune responses such as allergies or hypersensitivities. Karron Oil is a digestive aid in horses, helping maintain good digestion and guard against digestive upset. Karron Oil is a traditional supplement, ideal for daily usage in all horses providing a powerful omega boost, benefiting the horse both inside and out

Coat Healt

#### Instructions For Use

Add to the normal feed ration. Feed 50ml per day.

### CALMIN & COPPER

There are some circumstances when mares and foals need more minerals than can be supplied in a liquid supplement or a concentrate feed. Calmin & Copper is rich in calcium, required for correct growth and development of the skeleton. There is also the correct ratio of Calcium to phosphorus. Phosphorus is also a vital component in the development of the skeleton and is vital in growing horses. Calmin & Copper also contains magnesium, required for Calciumand Phosphorus metabolism. Copper is included as it is involved in bone and cartilage formation, again important for the growing horse. Calmin & Copper also contains the vitamins A, B1, B2, D3, and E along with selenium and other trace elements.

This supplement provides most of the calcium and phosphorus needed to ensure optimum skeletal development. The inclusion of bioplexes improves absorption and ensures the horse receives all available minerals.

Instructions For Use Feeding rate: Broodmare: 1 Scoop, Yearling or 2YO: 2/3rd Scoop, Foal: 1/3rd Scoop. Bulk Mixing: 1.36Kg / 50Kg

# LINSEED OIL Orac

Supports general health and maintains a rich, natural shine. Rich in Omega 3 fatty acids, (particularly linolenic acid and alpha-linoleic acid) supplementing with Linseed Oil will be reflected in a fabulous shiny coat. Pegus only use pure cold pressed Linseed Oil, obtained without the potentially harmful solvent extraction process. Pegus Linseed Oil is safe, good quality and suitable for all horses and ponies.

Instructions For Use Add to the normal feed ration. Feed 50ml per day.

# GASTRO SHIELD

Gastrointestinal ulcers are an unfortunate fact of life for many performance horses. Because ulcers can be so uncomfortable, the temptation for their owners is to reach for the product that will offer the quickest relief, usually in the form of conventional drugs. However, these drugs block or buffer the horse's stomach acid, which hinders digestion in the long term. Ten to fifteen percent of protein digestion depends on pepsin activity in the stomach and pepsin is only active in an acidic environment (i.e. when stomach acid is present). Stomach acid also acts as a defence against pathogenic bacteria colonizing the stomach and small intestine. While conventional drugs to offer immediate relief for the horse, they ultimately interfere with digestion and set the horse up for other long term problems.

The majority of horses with gastric ulcers do not show outward clinical signs. They have more subtle signs, such as: poor appetite, dullness, attitude changes, decreased performance, reluctance to train, poor body condition, poor hair coat, weight loss, excessive time spent lying down, low-grade colic, loose faeces, etc.

Instructions for use Feed one 80ml serving per day 40ml prior to morning feed and 40ml prior to the evening feed Feed for a minimum of 14 days or longer term as required









# EQUI-BALANCE $\bigotimes_{Vitamins}$ $\bigotimes_{Trace Minerals}$ $\bigotimes_{Healthy Digestion}$ $\bigotimes_{Cardiac Function}$ $\bigotimes_{Coat Health}$ $\bigotimes_{Bone Developme}$

Equi-Balance is a low-starch, low-calorie concentrated source of vitamins and trace minerals for all classes of horses. Proper nutrition is extremely important in managing all types of horses, but supplying optimal nutrient intake without providing excess calories to those with low energy needs, particularly those with metabolic issues, can be especially challenging. Easy keepers at risk of, or exhibiting signs of metabolic syndrome or insulin resistance will benefit from careful management of the amount and type of forage and feed, with special attention to carbohydrate and caloric intake. Equi Balance is a natural product helping to maintain effective digestion by the inclusion of Equisaf Yeast Cultures and Bioplexes. In pursuit of further benefits for your horse's health we have included bioplexes, which are mineral proteinates of Zinc, Iron, Copper and Manganese. These are bonded to a range of amino acids to allow a number of potential absorption routes within the horses system. Bioplexes have been shown to improve equine health in general and in particular, immunity, development of bone, muscle structure, fertility and condition.

Why should I use Equi -Balance for my horse

- Concentrated low-clorie, low-non-structural carbohydrate source of vitamins and trace minerals
- Fulfils the vitamin and mineral needs of horses and ponies that are on forage-only diets or that consume less than the recommended daily amount of fortified feeds
- Features elevated zinc concentration
- Contains yeast culture to enhance digestion of fibre and other nutrients
- · Low-intake, palatable pellet allows for easy feeding

Suitable for horses and ponies: Cushing Disease, Laminitis, over-weight ponies, older horses, broodmares, stallions, performance horses, post colic, show horses, sales prep, youngstock, native breeds, good doers,

### GARLIC, HONEY & GLUCOSE

Garlic, Honey and Glucose is a highly palatable liquid supplement that combines the properties of Garlic, in oil form, with honey and glucose. Honey is a highly palatable source of natural sugar as well as having antioxidant, antibacterial and anti-inflammatory properties. It is also believed to be of benefit to coughs and to gastric ulcers. Liquid glucose is the easiest absorbed form of carbohydrate, providing a palatable base for the garlic oil, as well as providing low levels of available energy.

Garlic has been used since ancient times for its beneficial properties. It is used to support the respiratory system, encouraging the healthy expulsion of mucus from the lungs. Rich in sulphur, Garlic may also be of benefit to healthy hoof formation. Feeding Garlic is also thought to support to the blood, and can be used to support laminitis, arthritis, sweet itch and skin problems. It is known to aid digestion, supporting production of beneficial bacteria within the hind gut. Garlic has also been considered to be of benefit before and after a course of antibiotics, to provide support to the immune system. It is also known to contain B group vitamins, Vitamin C, Potassium and phosphorous as well as some amino acids. Garlic is also known to have antioxidant properties and maintain normal fat metabolism.

This product is ideal for horses in all disciplines of work, breed and age and it will help to support the respiratory and circulatory systems, allowing optimum oxygen to the muscles and vital organs.



Instructions For Use Feeding Rate: Horses: 30ml per horse per day. Ponies: 30ml per horse per day.

> PEGUS EQUINE HEALTH RANGE

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# Stellor... Performance



Many people think that Sara Ennis has a twin, as sometimes you will find her at a CCI\*\*\* one day in Cork and the following day she could be jumping a truck load of young horses in Wexford. Helped by either a twin or boundless energy, she is one of Ireland's hardest working event riders. Hailing from Howth Co Dublin originally, Sara and her husband Niki run the busy Stellor Sport Horses, a yard near Dunboyne full of young and international event horses.

A member of many Irish international teams, Sarah is Ireland's top event rider with a HSBC World Ranking of 18th, bringing with her over 20 years of experience as a competitor, trainer, coach and an established CIC\*\*\* event rider.

It all started riding on her sister's Shetland pony Christopher, and it was not long before she was hooked. She progressed through the Ward Union and Howth Pony Clubs and the Irish Pony Society.

All of this gave her a great basic training in all aspects of equestrianism. Her focus moved to pure dressage and at the tender age of 15 she was awarded a Bronze Saddle. Her continued success meant that she went on to win two more Bronze Saddles.

The proximity to the water in Howth meant that she became a keen sailor, regularly racing her father's 17 footer 'Silvermoon'. She also enjoyed diving and is qualified to Divemaster level.

At 18 she went on to start her eventing career and got selected for the European Young Rider Squad in 1996. Sarah has ridden for and trained with many familiar faces on the eventing circuit, including Yvonne Monaghan, Janet Murray and Laura Glynn. More recently Sarah trains regularly with showjumping coach lan Fearon and dressage coach lan Woodhead who help her keep her team of competition horses in peak form.

Her results speak for themselves: She is rarely out of the placings anytime she competes. The wins at CIC\*\*\* level particularly stand out and deserve a special mention: Johnson & Perrott Land Rover International Horse Trials at Ballindenisk in 2012 and Scarvagh in 2001 likely the biggest high light been the first Irish winner of Chatsworth Horse Trails in England.

However none of this success has gone to her head and she is happiest starting out on a youngster or playing with her son James but certainly not having to mechanic on Niki's Landover!



### Pegus Horse Feed

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### Free Nutritional Helpline: ROI 1800 37 8463 / UK 0800 011 4182

The information contained in this publication was correct at time of going to press and is deemed thoroughly reliable. However, no responsibility is assumed for errors, omissions or any consequences arising therefrom. The views expressed in this newsletter, unless expressly stated, do not necessarily represent the views of Pegus Horse Feed. Published by Pegus Horse Feed, May 2017.

Front cover photo: Tony Hurley (Pegus Horse Feeds), Colman Purcell (Dairygold), Donal Buckley (Dairygold Board), Martin Doran (brother of Tom Doran, winning owner) and Terence O'Donnell (Director Cork Racecourse Mallow) at the Pegus Horse Feed point to point series final on Easter Monday 25th April at Cork Racecourse Mallow.