

# FEED TIMES

Issue 5  
Autumn/Winter 2016



PEGUS  
HORSE FEED

FEED  
THAT  
PERFORMS

# Feeding a Balancer Pellet

Feed balancer pellet is a useful but little understood type of horse feed. Though the pellet might look no different than other pelleted feeds, it can be a dynamic addition to any feeding programme and are a great solution to many feeding dilemmas.

## What is a Feed balancer pellet?

Concentrates (prepared feed commercial) Concentrates (prepared feed commercial) are formulated to offer horses with nutrients that are missing in whatever forage is offered. If the forage supplies required energy, horses will either maintain their weight or gain weight, and this may seem as though all of the other nutrient requirements are being met. Unfortunately, with today's forages this may be a false assumption. There are occasion's inadequate levels of protein, vitamins, and minerals in the forage required for the work asked of the horse, whether it is performance, growth, or reproduction.

The primary goal of commercial prepared feed formulations is to supply three general nutrients: energy (calories), protein (essential amino acids), and vitamin/mineral fortification. Ingredients that supply energy are usually cereal grains (oats, corn, and barley) as well as any additional fat (vegetable oil) or fibre (beet pulp) sources. Protein is provided most commonly by soybean meal, distillers or brewers grains, and cottonseed meal. In a typical textured feed, the protein and vitamin/mineral ingredients are combined into a pellet, which is sometimes called a fortification pellet, and then mixed with the energy sources.

Because modern horse feeds are specially formulated to meet the nutrient needs of horses during the many phases of life - growth, development, performance, reproduction, and old age - the ratio of energy sources to fortification pellet will vary with the type of horse for which the feed is designed. For instance, a feed designed for young growing horses with higher protein, vitamin, and mineral requirements will contain more fortification pellets and less grain than a feed designed for a maintenance horse with much lower requirements. As such, feed manufacturers often use the same fortification pellet in all of the feeds in a product line but use it in varying amounts depending on what type of horse the feed will be fed to. This fortification pellet is commonly referred to as a "balancer pellet" or "ration balancer."

A balancer pellet is ideal for horses that do not need the extra calories found in the additional feed, but do need the protein.

## Concentrated minerals and vitamins

Another characteristic of a balancer pellet is the concentrated minerals and vitamins. Here is another example: A typical feed might have 40 mg/kg copper while a balancer pellet would have 160 mg/kg, approximately four times the amount.

The same holds true for all of the microminerals and vitamins. Calcium and phosphorus concentration in a balancer pellet may be double that which is normally found in a textured or pelleted feed.

Due to the density of the nutrients in a balancer pellet, the recommended feeding rate is lower, usually between 500 g and 1 kg, depending on the size and type of horse. Most typical feeds have recommended feeding rates of 2 to 6 kg, so it is easy to see that a balancer pellet can provide levels of nutritional value in small amounts.

## How are ration balancer pellets used?

The true advantage of using a balancer pellet is that the horse owner can meet the horse's requirement for protein, vitamins, and minerals and control the amount of energy supplied to the horse without having to worry if the horse is getting too much. A balancer pellet can be used three ways: (1) alone as a low-calorie source of protein, vitamins, and minerals; (2) combined with straight grains for a no-molasses feed; or (3) as a top-dress for a concentrate fed at less than the recommended feeding rate.



### Low-calorie feed

Many horse breeds and native breeds were developed to maintain weight on limited calories, even when they were asked to perform hard work. Therefore, many of these horses are easy keepers, meaning they can survive on less calories than their counterparts. Some of the horses with the easy-keeper gene are also metabolically challenged. For these horses, not only the calories but the starch found in energy sources can be detrimental to their health, particularly those that suffer from equine metabolic syndrome or insulin resistance. To complicate matters, the forages are often not able to provide all of the nutrient needs. Because of the concentrated nature and low feeding rate, a balancer pellet can meet all the protein, vitamin, and mineral needs of the horse without adding excessive calories or starch to the diet.

The amount of balancer pellet needed to complement the forage and fulfill the horse's requirements will be more than a typical vitamin and mineral supplement (generally 1 kg versus 100 g or 2.2 lb versus 0.2 lb). The balancer pellet supplies protein and adequate amounts of the macrominerals calcium, phosphorus, and magnesium, something that is not possible in a 100-g feeding of a vitamin and mineral supplement. These supplements generally supply microminerals and vitamins but not protein or macro minerals.

### Home mixing

In a stable yard some horses have different energy requirements, and it can be difficult to find one bag of feed that will be suitable for all. Combining a balancer pellet with suitable grains provides a custom feed for each horse.

Or other farms may grow oats, corn, or barley for horses but requires that protein, vitamins, and minerals be added to homemade ration. Some farms and stables may only have straight grain like oats. Whatever the scenario, a balancer pellet can provide the nutrients necessary to fill in the gaps left by the forage. Each horse would be fed the amount of balancer pellet appropriate for its weight and age in addition to the amount of grain that will maintain the ideal weight of the horse. Other energy sources such as beet pulp, oil, or rice bran can also be added if more calories

are needed. Molasses can be mixed in for a homemade feed. Below is a table of suggested feeding rates of a balancer pellet for a 500-kg horse in different stages of life.

### Top-dress for commercial horse feed

Commercial feeds are formulated to be fed at a certain feeding rate. Many horses do not receive the recommended feeding rate because it provides too many calories for the metabolism of that horse, often leading to obesity and excitability. When fed below the recommended feeding rate, the horse does not receive the appropriate levels of protein, vitamins, and minerals necessary to perform.

Most textured feeds or pelleted feeds, have feeding rates of over 3 kg per day. on a farm with adequate pasture or quality hay, feeding as little as 3 kg a day may be too much for some horses, so they are often fed much less. Here is an example of how feeding less than the recommended feeding rate can short change a horse: If 2 kg of feed is supplying 2 mg of selenium, then 0.5 kg of feed would supply only 0.5 mg of selenium, which is well below the horse's selenium requirement.

Using a balancer pellet as a top-dressing is simple. For every kilogram under the recommended feeding rate, top-dress with 250 g of balancer pellet. For example, if a feed has a recommended feeding rate of 2 kg per day, but the horse is only getting 1 kg per day and maintaining weight well, then adding 250 g of a balancer pellet to the diet will raise the vitamin, mineral, and protein fortification to meet the horse's requirements. Sometimes feed recommendations come in kg per kg body weight. Pegus Horse Feed manufacture the premium nutrition balancer Equi Balance, ideal for home mixing or top dressing. Feeding rates 1g per each 1 kg of horse making life easy for the horse owner and yard manager. Pegus

A word of caution when using a balancer pellet: Care should be taken not to confuse a balancer pellet with other pellets that have much higher feeding rates. Feeding too much of a balancer pellet will supply unnecessary excessive amounts of nutrients. Consequently, make sure bags or bins of a balancer product are well-marked, especially if there are other pelleted products in the same feed room.

The beauty of using a balancer pellet is the flexibility it provides in customizing the nutritional management of different horses. If fed properly, a balancer pellet can give peace of mind that all of the horses on a farm receive the nutrients needed to grow, perform, or reproduce.



# EQUI-BALANCE



Vitamins



Trace Minerals



Healthy Digestion



Cardiac Function



Coat Health



Bone Development

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-calorie, low-non-structural carbohydrate source of vitamins and trace minerals
- Fulfills 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,

Offer Code: FTAW16

**€3.00 or  
£2.50 OFF**  
per bucket.

Redeem at your Pegus merchant.

Name

Address

e-mail

Merchant's name:



# Feeding the Older Horse

Many horse owners keep their horses until they are quite old, even when their use has become minimal. Generally, we estimate that a horse can be defined as "aged" or "old" from about 20 years onwards. As with humans, however, there are large individual differences in how well horses will function as they get older.

The nutritional literature gives us no clear-cut evidence to confirm that aged horses have a lower energy requirement than younger horses. Similarly, the effects of aging on a horse's protein needs are not very well known, although a reduced ability in older horses to digest protein has been reported. Proteins with a good amino acid composition will ensure that the horse is able to maintain its muscle mass. The amino acids lysine and threonine have been identified as important in this respect.

Information on possible changes in the mineral and vitamin requirements of aged horses is also sparse. Small declines

in the utilization of phosphorus and an increased need for vitamin C have been noted. In general however, it can be assumed that the feeding of horses aged 20 years or more provides the same challenges as does the feeding of any adult horse, as long as the requirements for exercise and other activities are observed and taken into account.

It is common for older horses to experience problems with the chewing of roughages as their teeth wear and new bone and enamel are not replenished at a sufficient rate. When horses aged 20 years or more do start to lose condition, special attention should be paid to feed quality. In particular, hay and other dried roughages should be leafy and not too hard to chew. Accordingly, some horse owners prefer to feed haylage to aged horses, thereby compensating for a reduced ability to chew dry roughage.

As for the concentrate part of the ration, pelleted feeds or muesli mixes will need less chewing and will have higher digestibility than untreated grains. The addition of some oil like Omega 3 rich oils such as Karron Oil, Flax Oil have benefit for joint mobility in the ration will increase the energy content and help to prevent or reduce a loss in body condition. With older horses they may have damaged joints from old sporting injuries with wear over the years and the supplementation of a high quality

joint supplement will aid mobility during the later years. The key components to look for in a joint supplement are Omega 3, Glucosamine, MSM, Chondroitin and Hyaluronic Acid.

As with all other animals, including man, the likelihood of developing disease in horses increases with age. Cushing's disease is more common amongst older horses, and has consequences for feeding, since it affects both appetite and metabolism. Cushing's disease is a metabolic disturbance caused by too high secretion of a hormone from the pituitary gland, which in turn leads to an excess of cortisol in the body. Symptoms of Cushing's include weight loss despite increased appetite, swollen eyes, and the development of a long and dense coat. Cushing's may also predispose for serious conditions such as laminitis and diabetes. Horses with Cushing's have a poor toleration of sugar or starch. Care should therefore be taken to reduce or eliminate sugary feeds or grain-based concentrates to a products with reduced starch such as Pegus Horsehealth Cubes with only 14% starch. As long as the horse's teeth are in good condition, rations rich in fibre should be fed, since these are predominantly digested in the hind gut, and only because limited blood sugar rises after a meal of higher fibre or Horsehealth Cubes compared to grain based diets.

In summary, there is no magic solution to feeding aged horses well! If unsure use the Pegus Horse Feed free diet ration request on the web-site who can help to adjust the ration based on body weight and level of exercise. Observe any change in body condition closely if you own a horse in the age group 20+. If it loses condition, be careful to monitor the teeth, and match the feed quality with the capacity for chewing. Reduce the size of the ration if the horse gets too fat. Watch out for diseases. Cushing's syndrome, diabetes, laminitis and recurrent colic episodes all require the advice of a veterinarian and a feed specialist.

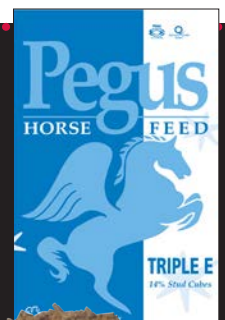


## TRIPLE E STUD CUBES

Triple E have been a popular and trusted part of many Irish breeders' feed plan for decades. This highly digestible, energy, vitamin and mineral-dense cube uses only the best Irish grains and cooked cereals to provide readily available energy to meet the needs of the broodmare during periods of gestation and lactation, both critical in the foal developments and broodmare health.

Triple E is laced with essential minerals from Pegus Equine breeder pre-mix for the very important final 3-4 months of pregnancy where the foal lays down the building blocks for strong tissue and skeletal foundation for future strength. The energy dense cubes and bio-available mineral ensures high quality milk yields in lactation when the foal requires the mother's calorie and mineral-rich milk.

Triple E benefits stallions during the covering season with essential energy levels and higher Vitamin E levels improving fertility and libido.



# Compose a good ration for your horse

When you compose a daily ration for your horse, several factors have to be taken into account. What type, quality and amount of roughage should be included in the ration? Will the horse need additional compound feed or grains? What about mineral and vitamin supplements? Here are some basic points to help you formulate good rations for your horse.

## Roughage type and quality

The first thing to consider should always be the type and amount of roughage. The type of roughage will usually be a grass hay or haylage. Normally, grass hay will have a dry matter content (DM) of around 85%. This means that grass hays will contain only about 15% water. Haylages can vary considerably in DM content, often from around 60% to 75%, which corresponds to a water content of 40% to 25%. When we compare the nutrient content of different hays and haylages, we should always compare the nutrient content per kg DM.

Whether you choose to feed your horse hay or haylage does not matter so much. What does matter is that the feed is of good hygienic quality and that the nutrient content is suitable for the kind of horse you are feeding. For more details about forage quality for different types of horses see our article from October 2013

## Optimal amounts of roughage

When considering the optimal amount of roughage to be included in a horse's ration, you have to calculate the roughage amount as kilos of dry matter. This is especially important when you are feeding haylage. This is a moist feed and the water will not contribute to the nutrient supply, gut fill or satiety of the horse.

The general rule is that on a mixed ration, a horse should receive roughage dry matter equivalent to 1,5% of its body weight (1,5 kg roughage DM per kg body weight) and never less than 1,0% of its body weight (1,0 kg roughage DM per kg body weight). This is to ensure enough eating and chewing time as well as normal levels of gut fill and satiety. Insufficient amounts of roughage DM may lead to impaired gut function and unwanted behavioral habits.

## Is there a need for concentrates or vit/min supplements?

Once the quality and amount of roughage have been set, you must consider adding a compound feed, grains or a vitamin/mineral supplement. Pegus PC-Horse calculates the nutrient requirements of each horse individually, and will graphically show you if additional feeds are needed to balance the ration and thus meet the requirements of the individual horse.

*Example. Horse with moderate exercise. After feeding a fair amount of roughage, the nutrient requirements of the horse have not yet been met.*

## How much will a horse eat?

There are limits to how much a horse can eat. Most often, feed intake will be in the range of 2 – 3 kg dry matter (DM) per 100 kg body weight. Horses in training, lactating mares and young horses will normally eat more than idle horses, but individual variations may well be significant.

Therefore, in overall terms, your aim is to compose a ration that gives the horse enough to eat to satisfy its requirements for eating and chewing time, gut fill and satiety. On the other hand, the total dry matter content of the ration must not be higher than what the horse is able to eat.

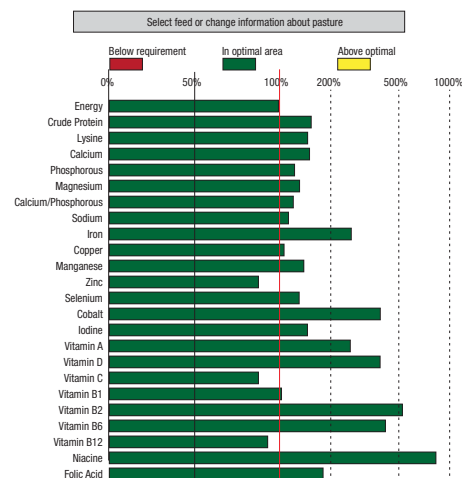
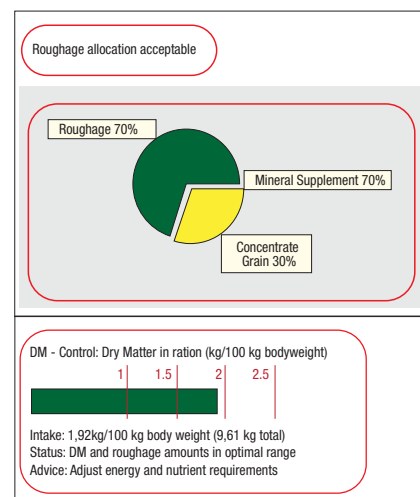
## Composing rations with Pegus PC-Horse

When you use PC-Horse to compose rations for your horses, the programme helps you in several ways.

1. It shows you if the roughage dry matter content of the ration is acceptable.
2. It shows the percentage of roughage, concentrates and vit/min supplements in the total ration.
3. Via the DM-control, it shows whether the dry matter in the total ration is within an optimal range and comments on this.
4. It shows the levels of other key nutrients relevant to the horse's requirements.

By using the support of Pegus consultation service you can be confident that your rations are optimized for each individual horse.

Feed name	Amount	
Meadow Hay, average	8,00	kg
PEGUS Hi-Performance Coarse Mix	3,30	kg
PEGUS Pro-Booster	15,00	g



Pegus Horse Feed consultants can provide personal yard visits

# Happy Customers



*Timmy Love was selected for the Irish Pony Event Team in Denmark*



*Sven Hadley leading Rider at Cavan 5 day show*



*Nicky Nesbitt and The Spy Master winning at Ballyvannon, fed on Pegus cool Mix*



*Well done to James O'Haire winner with China Doll at Kedrah Castle Equestrian O/CNC\*\* and CIC\*\*\*Camphire Horse Trials*



*Ella Boyle was part of Team Ireland at European Eventing Junior & Young rider Championships in Italy*



*Michael Boyd riding "Ballyalt Comet" A great example of the Connemara pony, a previous winner of the eventing Ireland E190 league and more recently a 3rd place in the UK intermediate pony club dressage championships followed by a great result at the national dressage championships and is now the dressage Ireland novice category 1 national champion Fuelled by Pegus Equi-Balance*



*Daniel Brown and Susie Berry were also part of Team Ireland at European Eventing Junior & Young rider Championships in Italy*



## Biotin

Biotin is a B-vitamin and is often added to horse rations.

For some horses it can improve the quality and growth of the hoof.

Biotin plays an important role in intermediary metabolism. It is a co-enzyme and is involved in fatty acid synthesis, gluconeogenesis, amino acid metabolism, and metabolism of cholesterol and odd-chain fatty acids. Biotin is also essential for cell proliferation.

### Sources

In the horse the gut microbes produce biotin and the concentration of biotin in the digesta increases in the hind-gut. Biotin is found in feeds commonly used in horse rations. Examples are (in mg/kg dry matter): Alfalfa hay 0.2; Oats 0.11-0.39; Barley 0.13-0.17; Maize 0.06-0.1.

Biotin is included in most compound feeds for horses in amounts of 0.1 – 1.0 mg/kg. However, many producers have special products with higher inclusions of biotin (5 – 20 mg/kg). Many vitamin supplements for horses have a high content of biotin.

### Effect on hoof quality and growth

Several studies report improved hoof quality after oral administration of relatively high amounts of biotin (10-30 mg/d) for at least 9 months. Some studies report increased growth of the hoof. It must be emphasized that poor hoof quality as a result of improper hoof care cannot be improved by giving biotin.

### Requirements

Biotin requirements above those supplied by the intestinal microbes, have not been established and signs of deficiency have not been reported in horses. Biotin has low toxicity and effects of excess have not been described in horses. Pegus Equine Health supplies a fully balanced hoof supplement called Farriers Blend designed to promote healthy hoof growth containing Biotin and Zinc..

Pegus PC-Horse will calculate the amount of biotin in your rations, but as optimum requirements are not well established, no warning will be given for deficiency or excess.

## 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.

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



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
- Metabolism
- Hair & coat condition

When to use:

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



Omega 3



Vitamins



Trace Minerals



Joint Mobility

## 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-Glucuronic acid and N acetyl D glucosamine and is found in both the extracellular and intracellular 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. Glucosamine 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



# BUILDMAX



Muscle Development



Vitamins

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

- Concentrated Amino Acids
- Gamma Oryzanol
- Creatine
- Carnitine



# XTROLYTE LIQUID



Rehydrating



Trace Minerals

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



Rehydrating



Trace Minerals

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

## 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 Calcium and 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



Supports general health and maintains a rich, natural shine. Rich in Omega 3 fatty acids, (particularly linolenic acid and alpha-linolenic 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



Vitamins



Trace Minerals



Healthy Digestion



Cardiac Function



Coat Health



Bone Development

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-calorie, low-non-structural carbohydrate source of vitamins and trace minerals
- Fulfills 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



Vitamins



Healthy Digestion



Cardiac Function



Lung Function

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.



Hazelbrook, Ratoath, Co. Meath, Ireland

Sales: +353 01 6277093/94

David: +353 86 3000 500

Declan: +44 7710 883 088

Freephone: ROI - 1800 37 8463 / UK - 0800 011 4182

email: info@pegus.ie • www.pegus.ie



# Bloodstock On The Boyne



In the Royal County of Meath, the land of folklore and history, on the banks of the Boyne lies Boardsmill Stud founded in 1935 by the late Jack Flood, father of the current owner William Flood. Located four miles west of Trim, Boardsmill Stud is set on some of the finest farm land in Ireland - in an area steeped in horse racing and breeding history. The privately owned stud is family run; breeders and buyers alike are always guaranteed a warm welcome and personalised service. All visiting mares and foals are treated with the utmost care by experienced staff.

Throughout its existence, Boardsmill Stud has always operated on the principle that quality is far more important to the National Hunt breeder than quantity. This principle is a lot more relevant in this modern day of

overproduction, and in recognition of breeders' concerns about overproduction - current sires Califet, Kalanisi and Court Cave cover a select book of mares each year from all over Ireland and UK.

One of the first thoroughbred stallions to stand at Boardsmill Stud in the '30's was the French bred sire J'Accours. Another, Trouville, was to join the stallion roster soon after this. A top class racehorse and extremely popular sire - Trouville only lived until he was 13 and from just a few crops, he was the sire of numerous significant winners including Cheltenham Festival winner French Tan, Leading European Miler Red Slipper, Gay Casino, Leap Frog, French Kilt. In the 1960s the versatile Chou Chin Chow arrived at Boardsmill and during his long stud career, he was the sire of Bronco II (Arkle Chase winner), Chow Mein

(Galway Plate winner) and the Champion Showjumper Sportsman. These were followed by some of Ireland's successful NH stallions such as Brave Invader, Furry Glen and the famous Orchestra. Today the roster stands strong and carries on the fine tradition set by the above mentioned sires. Current residents Kalanisi, the ultimate dual purpose sire, Court Cave, the full brother to multiple Group 1 winner Beat Hollow and the proven Gr.1 sire Califet .

The legacy set by Jack all those years ago lives on well as William and son John are seen at all the leading sales, advising and support clients new and old.

For further information on Boardsmill Stud contact John 087 906 6772 or email [info@boardsmillstud.com](mailto:info@boardsmillstud.com)



## PEGUS HORSE FEED

Hazelbrook, Ratoath, Co. Meath, Ireland  
Tel: +353 86 3000 500 • email: [info@pegus.ie](mailto:info@pegus.ie) • [www.pegus.ie](http://www.pegus.ie)  
or talk to Declan Cullen on +44 7710883088

**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, October 2016. Front cover photo used courtesy of Tattersalls Ireland.

**Free Nutritional Helpline: From Republic of Ireland, call 1800 37 8463 • From UK, call 0800 011 4182**