

FEED TIMES

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2015



PEGUS
HORSE FEED

FEED
THAT
PERFORMS

Winter Challenges for Colts and Fillies

Raising young horses outdoors in small or larger groups during the winter months is regarded as a good way of building strong, hardy horses. With access to paddocks and natural outdoor areas, horses have opportunities for varied exercise and lots of social interaction. We would do well to remember that these conditions should not be selected simply in order to rationalize and simplify the work of raising growing horses. It should also be looked upon as an extremely valuable period for natural play and exercise, a prerequisite for developing the strengths and skills that your horses will need on the day they enter into a more systematic training programme.

Young horses kept outside during winter should have the opportunity of finding shelter in a well-lit, dry space with sufficient floor room for all to lay down at the same time.

When it comes to feeding, providing enough good quality roughage is a must. Youngsters raised outside under winter conditions should always have free access to roughage, whether they are fed hay or haylage. If you buy some or all of your own roughage and do not

have any previous experience with its nutrient composition, you should ask the supplier for an analysis so that you can supplement it with protein or minerals if the quality of the roughage is below a good standard.

Based on an analysis of the roughage, it is easy to plan a basic ration which may include supplementary concentrates and minerals to cover the general needs for protein, minerals and vitamins. In cold and windy weather, you may need to supplement 10 % extra energy needed to accommodate the requirement for extra activity and thermoregulatory need. To customize this basic ration to the needs of individual horses, concentrate should be given individually. It is therefore best to keep the youngsters fed in shelters when they are eating their individual portions of grains or concentrates. This will allow you to take this opportunity to evaluate body condition, check for wounds and injuries, and get your colt or filly accustomed to handling.

With Pegus Dietary consultation service we can adjust the targeted growth rate of individuals by selecting either a "Normal" or a "High" targeted growth

rate when you define their characteristics. For young horses that are expected to compete at an early age, you should select a "High" growth rate, allowing for a 25 % higher energy intake than during "Normal" raising conditions. We may use a combination of the "Active horse" provision and the "Normal" or "High" targeted growth rate to customize the feeding for your local environment.

In winter it is also important to have a good treatment program to combat intestinal parasites. Contact your veterinarian about this. Pegus PC Horse Diet software allows us to enter the young horse's weight, based either on the weight measurements you take yourself, or Pegus can help you calculate the body weight from the chest circumference taken with a measuring tape. The most important thing, however, is to regularly and carefully inspect your young horses, and pay close attention to their body condition and development during winter. This applies in particular to horses in their first year of life. Poor growth and development during this early period can become very difficult to rectify at a later stage.



Here at Pegus Horse Feeds, we are happy to advise you on your equine nutritional needs. And it won't cost you a penny! Whether you have a query on feeding your grass-kept pony club pony or your yard of competition horses, talk to us today.

Free Nutritional Helpline:

From Republic of Ireland, call 1800 37 8463

From UK, call 0800 011 4182

Proteins

The digestion of proteins starts in the stomach, and is continued in the intestine by the pancreatic enzymes. The proteins need to be broken down to their building blocks, the amino acids, before they can be absorbed and utilised.

When the digesta reaches the end of the small intestine approximately 2/3 of the digestible protein from grains and protein supplements will have been absorbed compared with only 1/3 of that in roughage. In addition to undigested feed nitrogen, the contents of the ileum also contain nitrogen of endogenous origin, i.e. nitrogen which is derived from blood urea, secreted in to the digestive tract, and from sloughed epithelial cells.

Bacteria inhabiting the hind gut have a short life, just a few hours. All bacteria and protozoa are continuously transported with the digesta towards the

anus. Only bacteria which have a high rate of multiplication (or mechanisms for attachment to the gut wall) will therefore be able to live in the large intestines for extended periods of time. The bacteria require nitrogenous compounds for the production of amino acids which are integral components of their enzymes and structural proteins. Nitrogen-containing compounds which enter the hind-gut will be broken down by microbial enzymes to amino acids or further degraded to ammonia. Both amino acids and ammonia are utilised by the same types of bacteria in the production of bacterial proteins. In contrast to ruminants, horses are not able to utilise bacterial proteins, since the absorption of amino acids in the hind-gut, where the microbial amino acids are located, is negligible. Ammonia formed from microbial proteins is nevertheless

recycled to the gut as urea, and may provide a significant nitrogen source to horses that are fed diets low in nitrogen. As a consequence of their ability to synthesise amino acids from ammonia, bacteria significantly change the amino acid composition of the digesta.

CONCENTRATIONS OF EACH AMINO ACID GIVEN IN % OF TOTAL AMINO ACIDS (MOLAR CONCENTRATIONS)

Amino acid	Feed	Contents	Bacteria
Lysine	3.13	5.82	7.06
Treonine	4.28	5.37	6.70
Isoleucine	3.84	4.61	5.49
Methionine	1.37	1.43	1.72
Alanine	8.47	13.60	10.70

Protein requirements - Young horses

Both the requirement for absolute protein and the need for high quality protein are higher for growing horses than for other horses. Young horses generally have a smaller feed intake than adult animals. As a consequence, the concentration of digestible crude protein must be higher in the diets of young growing horses than of any other category.

An optimal ratio between energy and protein is required for a balanced growth. The demands for protein per unit of energy decrease (see table) as the horse gets older.

The requirement for the amino acid lysine also declines with age. At ages of 3, 6, 12 and 18 months the requirement for lysine is 0.7, 0.5, 0.4 and 0.4 grams per MJ of digestible energy, respectively.

PROTEIN REQUIREMENT (DCP) FOR GROWING HORSES AT DIFFERENT AGES:

Age, months	3	6	12	18	24	30	36
DCP, g/d	650	530	425	380	350	350	350
DCP, g/MJ	13.3	9.5	7.1	6.3	6.0	6.0	6.0



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.

Call Tony Hurley on 087 251 4215.



Completing the Circle of Nutrition 'Key to Success'

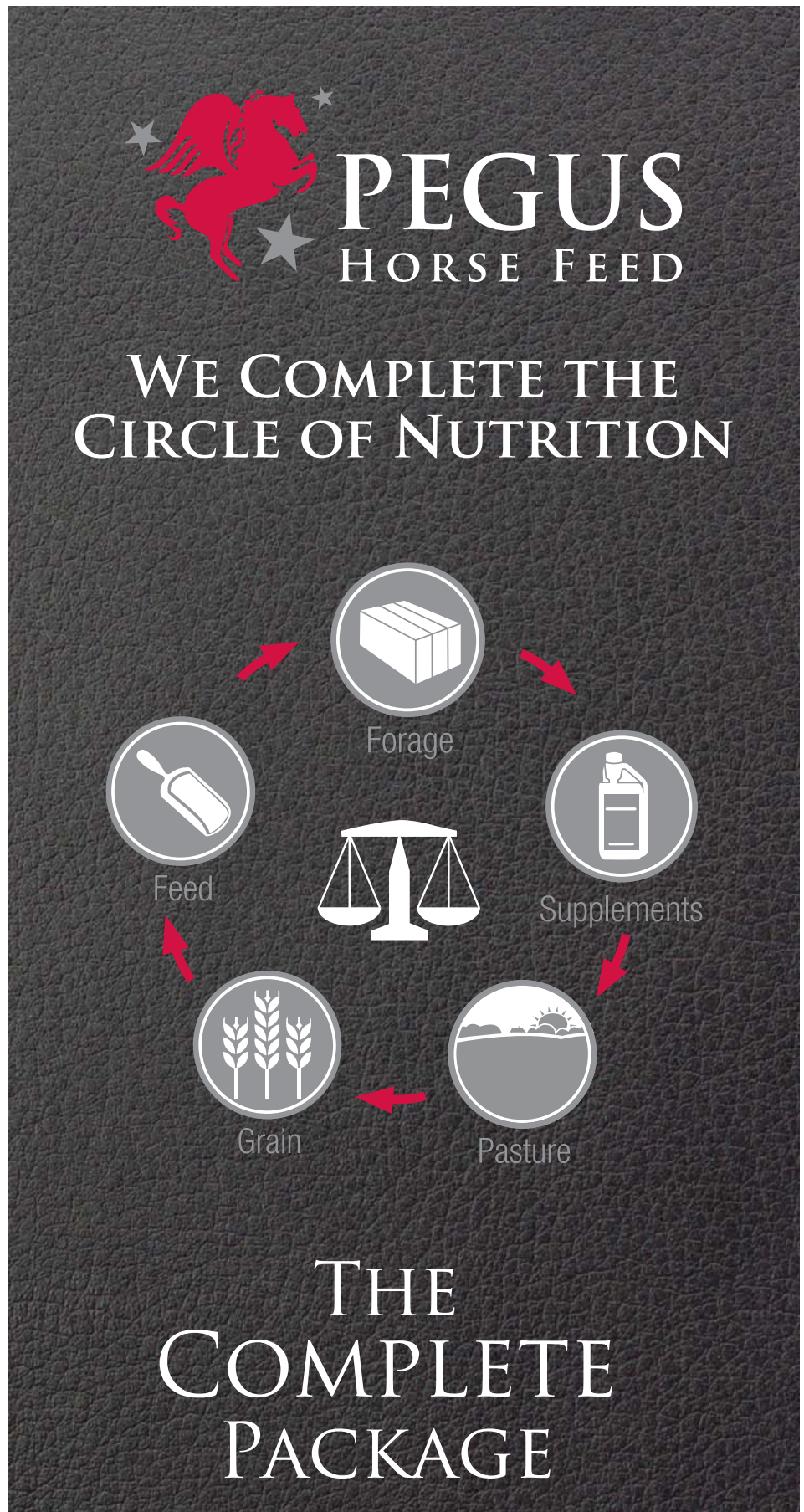
Many horse owners today are faced with a maze of feeds, supplements and fibre alternatives in the feed stores. Most of them very well branded and marketing the benefits of each other's advantage. Some may of course be price based, higher levels of nutrients or the golden ticket of better performance. Pegus Horse Feed have focused on the horse and its nutritional needs, all horses, breeds, sizes, condition and workload will require different levels of energy, from different sources. Many have higher levels of micro-nutrients requirements than others eg. young stock have a have higher protein levels than mature horses.

All feed barns over the country have a varied range of feeds some have different branded feed, and many have a full array of supplements, oils, powers and herbal supplementation, with everyone trying their best for that special winning diet mixing and adding. But when you stop and ask 'What is the diet profile of your horse?', many trainers, owners and yard manager look blank. In many cases each day owners are either over-feeding or over-supplementing the horse's diet. The National Ration Council (NRC) set the global standards for the horse's daily requirements used by leading feed companies all over the world as part of their formulation guidelines.

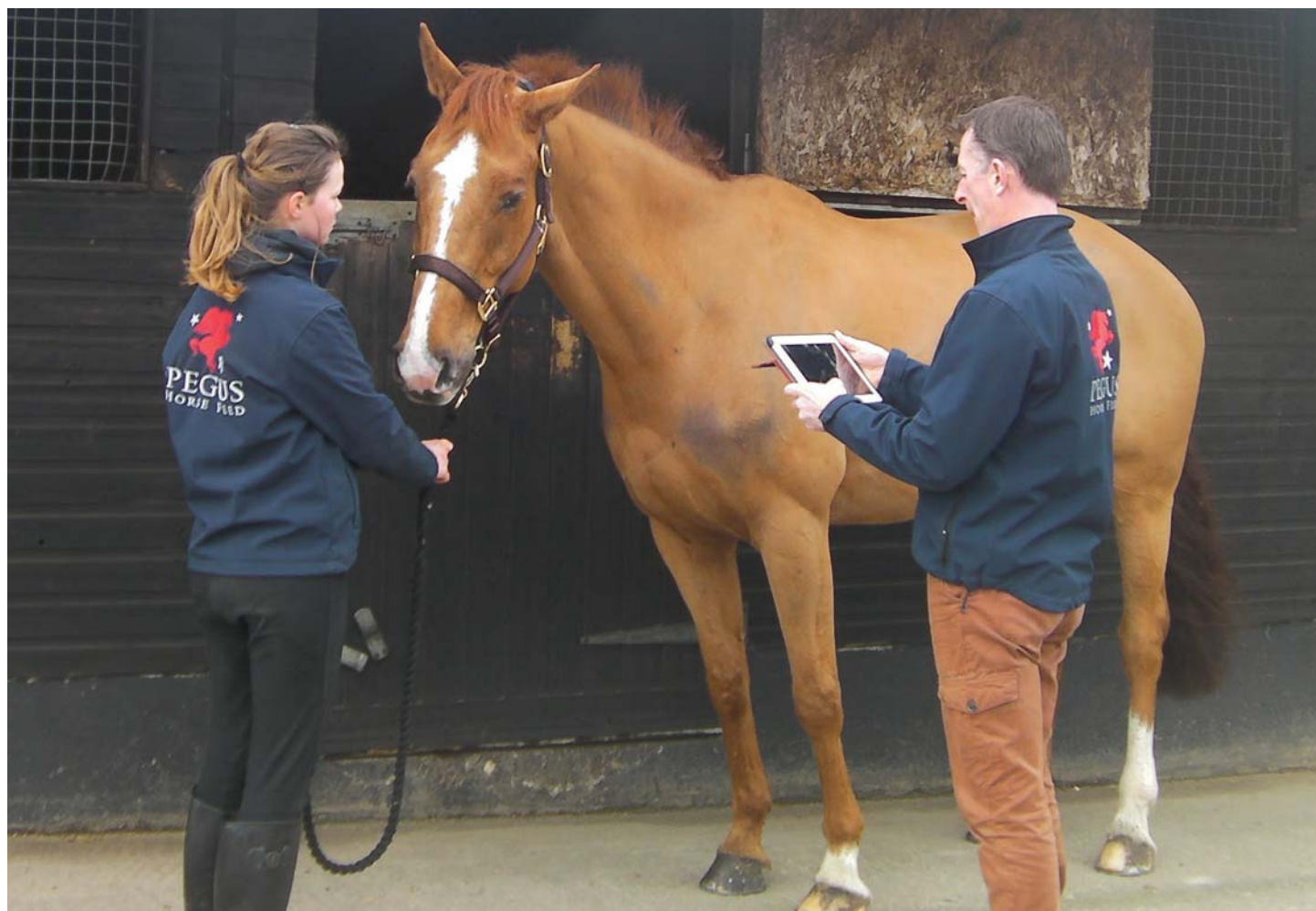
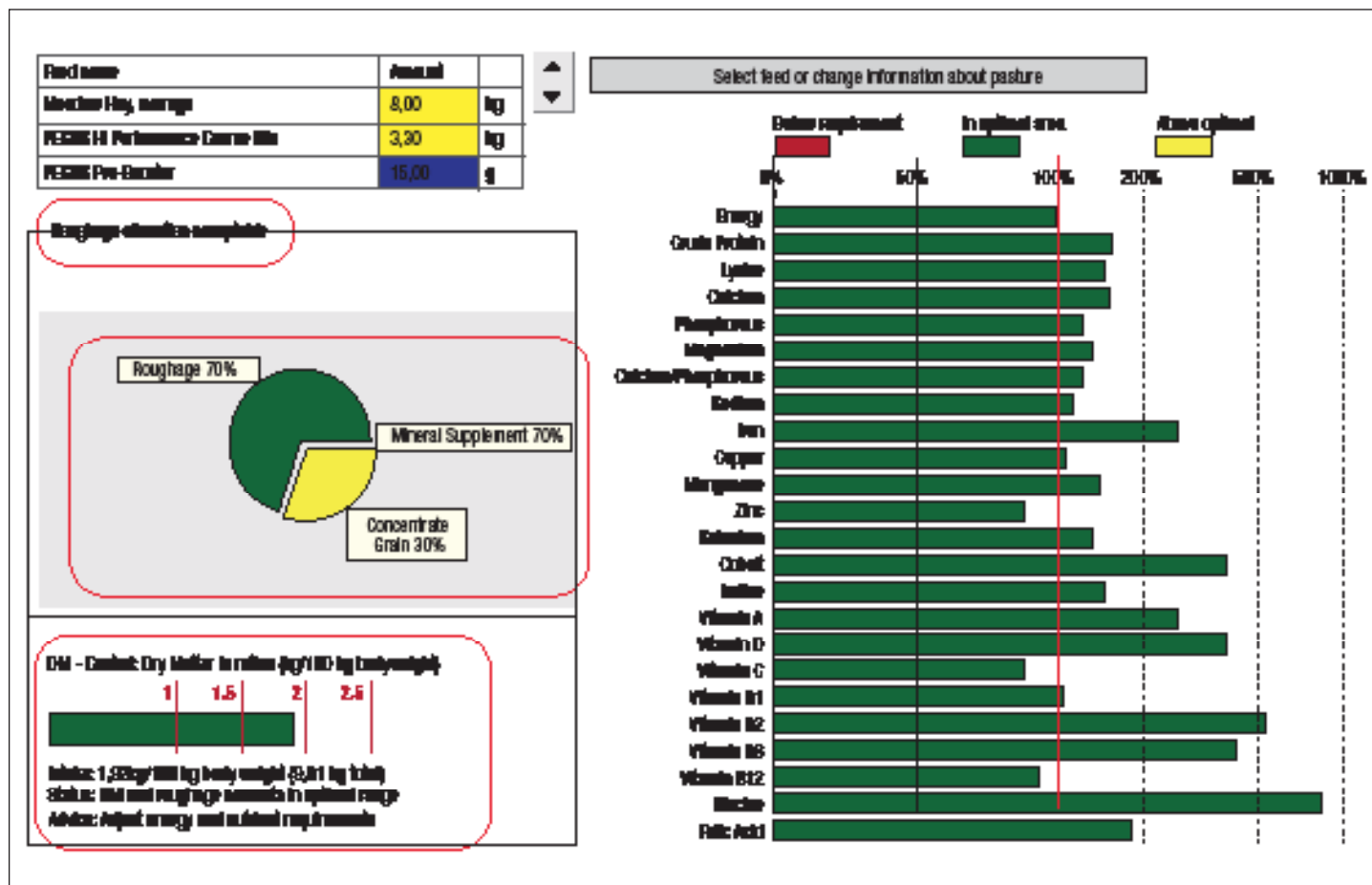
Pegus Horse Feed has developed its own range of specialist range of supportive products call Pegus Equine Health this allows us to be the first Irish equine feed company to overview the whole equine diet and its requirements for nutritional balanced profiles using Forage, Pasture, Grains, Feed and supplements. Having researched the full analysis of a forages and pastures available in Ireland with different seasonal changes and quality, and the full analysis of Pegus Horse Feed range and Pegus Equine Health range.

A diet profile can be developed with the customer using the forages available and the horse's dietary requirement Pegus can insure and avoid over supplementing and unbalancing the diet unnecessary, improving the diet profile and health, performance of the horse.

For more information contact your local Pegus merchant or ask for yard consultation by our team. For on line support click on Diet Request www.pegus.ie



Getting the Balance Right



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.

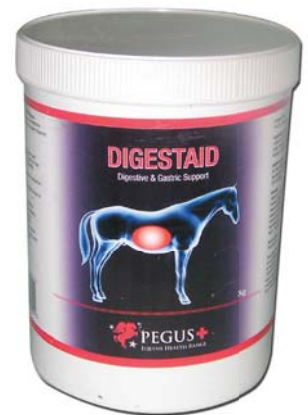
Supporting against inappetance

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-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.



PRODUCTS THAT PERFORM

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.



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Body Condition: an important factor in horse nutrition

When planning your horse's ration it's important to work with accurate information about the horse. Some information is easy to obtain, such as breed, age, sex and the stage of pregnancy or lactation. Correct estimates of body weight and the amount of exercise are usually harder to get, but still necessary in order to calculate requirements.

Somewhat surprisingly, body condition itself is not included in the calculation of nutrient needs, since body condition is necessarily an effect of feeding that has been given in the past. Therefore, you have to adjust the ration according to your best assessment of current body condition, and use it as "historical" information about the adequacy of the energy supply. It is therefore important to be able to assess body condition and its changes over time.

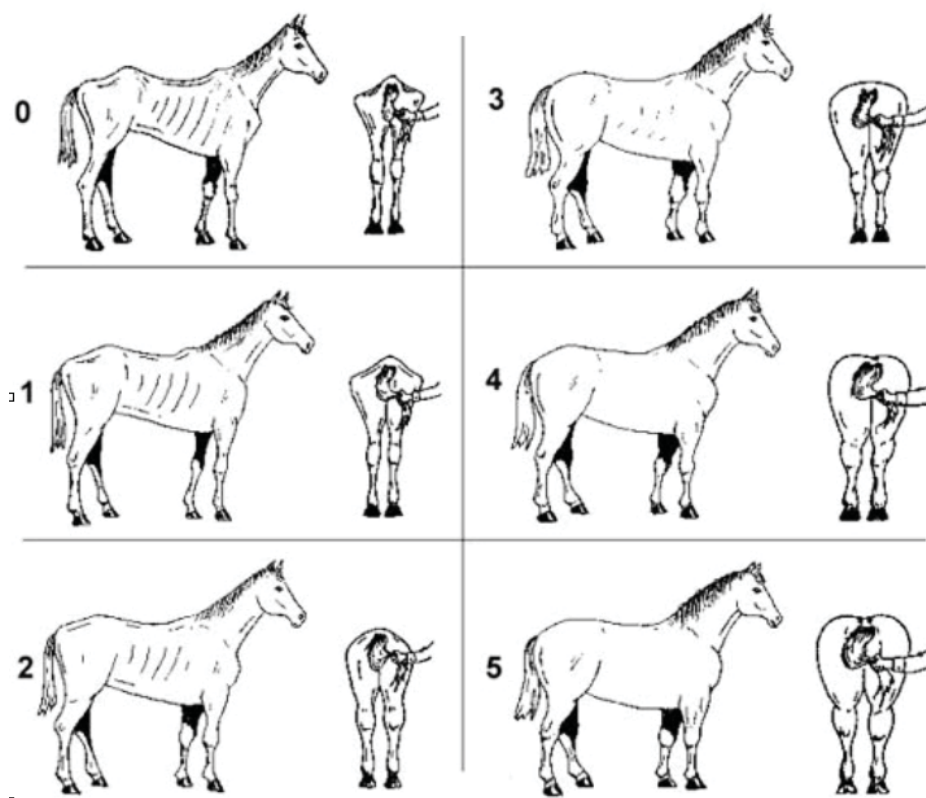
The horse's body condition (thin, moderate or fat) tells you a lot about how the amount of energy fed in recent weeks and months has met the horse's needs for energy. Remember, however, that body condition alone will not tell you how well the requirements for important nutrients such as protein, calcium and phosphorus have been met.

A horse's condition can be assessed in several ways. The most common way

uses ratings from 1 to 9, with 1 being very thin, 9 extremely fat, and 4 to 6 moderate. The ratings reflect the amount of fat on certain body parts. On the Internet you

can find many descriptions of how to assess body condition by searching for "body condition score, horse".

EXAMPLE OF A 5-LEVEL BODY CONDITION SCORE:



POINTERS OF CONDITION

Take note of these areas in particular when assessing your horse's body condition.

Many thanks to Boardsmill Stud for the use of this photo of CALIFET, fed on Pegus Horse Feeds and pictured here in perfect condition.

Success for Young and Old

Wexford rider Sophie Richards claimed the bronze medal for Ireland at the Eventing World Breeding Championships for Young Horses at Le Lion d'Angers in France, with the Irish Sport Horse SRS Adventure. The studbook ranking also saw Irish Sport Horses take first place in the overall world championships. Richards's chestnut gelding, jointly owned by the rider and partner Steven Smith, was seventh after dressage in the six-year-old class on a penalty score of 47.3. The combination improved a place on Saturday during the cross country phase, and in the final show jumping competition went clear to finish third in the hotly-contested top end of the leaderboard.

The young showjumpers have been flying the flag with KMR Benzini (Irish Sport Horse Class Winner 2015) and Cormac Rafferty jumping a double clear at the 7 year old FEI World Breeding Championship at Zangersheide, Lanaken and following up with KMR Twilight jumping clear both days in the 5yo grand final. More success came at the CSI3* Odense. The 1m45 Class won by Capt. Michael Kelly riding the Ministry of Defence's Drumiller Lough (ISH).



The Point To Point season kicked off at Toomebridge with Newry trainer Liam Lennon having a flying start to the Point to Point Season with 2 winners on the opening day by 15 lengths and 20 lengths. Another winner on the opening day was Maz Majecc, a winner by 16 lengths for Noel C Kelly. The following week saw a double off winners by Banbridge trainer Gerry Cosgrove. At Loughrea there were a brace of winners for Cork trainer Eugene M. O'Sullivan and David Harry Kelly from Tipperary. The big pot at Naas was collected by long time Pegus customer Sheila Lavery winning the €75k Irish EBF Auction race Naas Racecourse with Sevenleft.

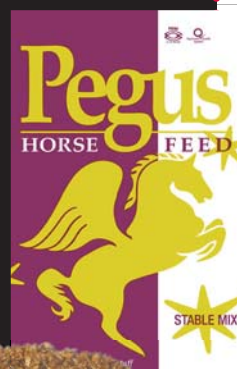


STABLE MIX

A blended selection of the finest Irish grains and oils fortified with Pegus equine premix. Designed for horses and ponies of all breeds, ages and work type as a balanced sweet feed for maintenance and low level exercise.

Stable Mix includes oil and fibres for healthy gut function and shiny coat.

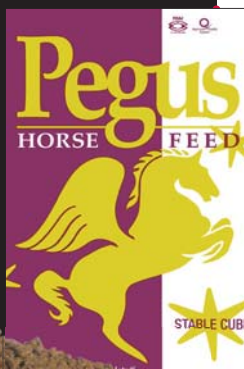
Suitable all types of horse and ponies in light work



STABLE CUBE

Every day high fibre cube for all types of horses and ponies in light work and rest. Fully fortified with the Pegus Equine premix supplement assures that your horse has all the vitamins and mineral for overall health and well-being.

Perfect all year feed for the leisure horse and pony, or horses on box rest or breakers.



From the A1 to N17



KMR Benzini, winner of numerous classes including the HSI 7YO Final in the Meadows Equestrian Centre

The former native of County Down has had a year that many riders only dream of when producing young horses. Modest about his success, Cormac Rafferty dominated the 7yo old jumping scene in 2015 with the Irish Sport Horse KMR Benzini. Having won numerous classes including the HSI Final in the Meadows Equestrian Centre, Co. Armagh, the combination fulfilled every young horse producer's ambition when they were selected to jump at FEI World Breeding Championship at Zangersheide, Lanaken where they went on to jump a double clear.

Not content on having just one star in the stable, Cormac produced KMR TWILIGHT to win the 5yo qualifier for Balmoral, several HSI finals and

finish second in the league. He also represented the Irish Studbook at Lanaken and qualified for the Grand Finals. KMR TWILIGHT was one of the most consistent 5yo's in Ireland with 72 SJL points to date.

Cormac's early days were spent developing his skills and knowledge of horsemanship, spending time with Irish Team Vet Hugh Suffern and with Alfred and Vina Buller of Scarvagh House Stud. This period saw eventing being the first choice where Cormac rode junior level and novice CNC* for a few seasons based out of Knockview Stables. Local trainer Gerry Cosgrove was instrumental in a career change to Point to Point riding and after 3 rides Cormac had his first winner, but he says 'I was a smart jockey,



KMR Twilight, in action in the Grand Finals at Lanaken



KMR Benzini, jumping a double clear at Lanaken

I had a couple of howling falls and that was the end of that'. The former pupil of St. Patrick's College, Banbridge is now based in Tuam, Co. Galway with his wife Aoife and son Oran. Like most Co. Down men, Aoife says 'Cormac he's sport mad, what ever it is, he follows it - GAA, rugby or soccer' and also enjoys a good day's hunting in the winter.

Between riding and producing the future stars, as a Level 2 HSI coach, Cormac plans training days for the Connaught region for next generation of riders coming though in the area. If you would like more information on training days or Cormac's horses please e-mail cormacraffertysporthorses@hotmail.com



PEGUS HORSE FEED

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