



Feeding
like nature[®]



st Hippolyt[®]

Dear horse-friends,

The horse gives us strength, balance, calmness and all its attention. We take care of the horse's well-being and satisfy its basic needs. In addition to the daily stay in the open air and free movement in the paddock or pasture, nutrition plays a particularly important role. **St. Hippolyt®** Mühle Ebert has set itself the task of developing and researching nutritional concepts for all situations in the horse's life and always adapting them to the latest scientific findings in accordance with the guiding principle "**Feeding like nature®**".

That is why the broad-based **St. Hippolyt®** team of veterinarians, biologists, agronomists and nutritionists as well as trainers work daily in dialogue with horse owners, breeders, riders, veterinarians, scientists and other equestrian experts to ensure that our partner horse can develop according to its nature on the basis of a nutrition adapted to its needs.

The **St. Hippolyt®** Mühle Ebert general catalogue is intended to provide you with general information on horse feeding, insights into our work and, of course, detailed information on all our products from the areas of Basics, High Performance, Fibre, Breeding, Minerals as well as **HorseCare®**. In addition, we carry the "Feeding Concepts", which are available to you as a guide and help with needs-based and natural feeding and can be requested from us at any time.

A harmonious partnership is characterised by give and take. As nutrition experts in equestrian sport, we are always at your side and hope that this catalogue will help you to "give something back" to your horse.



Handwritten signatures of Bernd Ebert, Ivo Ebert-Brennkmeier, Magali Ebert-Badtke, and Dr. Wolfgang Melzer.

Bernd Ebert, Ivo Ebert-Brennkmeier, Magali Ebert-Badtke & Dr. Wolfgang Melzer
with the entire **St. Hippolyt®** team



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SUSTAINABILITY PRINCIPLE

The diverse composition of natural nutrients, the structure as muesli, pellet or liquid and the fragrant scent of the exquisite herbs make our products unique even at first glance. But the real secret lies in the numerous processes that you may not be able to make out at first. All the individual components go through a particularly gentle and sustainable production process until they come to fruition in one of the products. Only consciously and sustainably produced products can promote the well-being of your horse, which is why we act responsibly and focus on:

The sustainability principle as the guiding principle of our mill

1. We use high-quality, sustainably sourced raw materials and ingredients, predominantly from regional contract farming

Dialogue with our raw material suppliers is important to us in order to guarantee consistent quality. That is why we are in constant exchange and start targeted test series in the region.

2. Particularly ecologically oriented choice of feed ingredients

We attach great importance to the fact that our raw materials are only exposed to a minimum of chemical substances. Regional contract farming enables us to exert a targeted influence on the cultivation of the raw materials.

3. Exclusive use of natural preservatives

Herbs, garlic, vitamins, vinegar specialities, cold pressed oils and beet syrup take over the preservation with natural powers.

4. Production at the St. Hippolyt® Ebert Mill in Dielheim (Germany): A living organism

Organic company structure combines tradition with modernity – quality guarantee with over 600 years of know-how from family legacy.

5. Refinement of raw materials: Highly processed grain and organic fermentation

Gentle production processes for better digestion and performance of your horses.

6. Gentle cold pressing of all pellets and oils

Protection of heat-sensitive proteins, vitamins, enzymes, fatty acids and natural plant substances. High-quality pellets that do not pose a risk of pharyngeal blockages and colic due to their low swelling capacity.

7. Use of renewable energies in production

In-house combined heat and power unit as energy system. Planted roofs as natural insulation and air conditioning at the same time. In-house apparatus engineering completes our seamless production chain.

8. Use of environmentally friendly packaging

Completely recyclable buckets and refill packs protect the environment and ensure recycling.

9. Glyx principle

The starch and sugar content is kept moderate in all products. The Glyx range is characterised by other aspects that are particularly relevant for easy-keepers and overweight horses. **GlyxWiese®**, **Glyx-Mash®** and **Glyx Lobs®** are starch- and sugar-reduced, grain- and gluten-free and therefore low-glycaemic.

10. Wholefood principle – nature is our model

A wide variety of naturally nutrient-rich components as the basis of the recipe, the absence of chemical additives, gentle processing methods, extensive reduction of pressure, temperature and shear forces in all muesli and pellet products – **feeding like nature®** – we live our philosophy anew every day.

11. Science & research: development at the highest level

Our international team of scientists, engineers, veterinarians and recognised experts from the equestrian world research, develop and are in constant dialogue with horse experts and owners.





HERBS, OILSEEDS & OLEAGINOUS FRUITS

The secret of our products does not lie in the recipe alone – the raw materials used already contribute significantly to the effectiveness of the feed supplements.

Herbs

Effective tea and spice herbs are an indispensable part of our unique recipes.

Herbs are:

- variously vitalising and cell-protecting
- digestive support
- supplier of secondary plant substances, trace elements and ultratrace elements

Gentle pressing of the herbs brings the natural essential oils of the plants further to the surface, resulting in the intensive and fragrant scent of the supplementary feeds.

Herbs in the feed provide for:

- a regulated metabolism
- positive support of the respiratory function
- optimised digestion
- willingness to perform
- general well-being

Oilseeds and oleaginous fruits

The cold pressed vegetable oils contained in the product range are obtained through a special sedimentation process in the in-house oil mill. Linseed, sunflower, maize and wheat germ oils refine the recipes.

Oils in feeding support:

- the fluidity of the blood
- the shine of the coat
- a good hoof structure
- the regeneration of nerve and organ cells

and serve as:

- low-protein and low-sugar energy source.

In addition to pure oils, whole oleaginous fruits and high-fat germs are also included in our recipes: linseed, sunflower seeds, maize and wheat germ as well as black cumin and fennel seeds offer a variety of vital fatty acids, especially omega-3 fatty acids and high-quality protein structures.

BIOINTELLIGENT NUTRITION

The optimal supply of energy-providing, substance-forming and health-promoting nutrients makes the horse strong-nerved, capable and resistant. Not only the selection, quality and natural variety of the feed components are important, but also the production of the feed. St. Hippolyt® deliberately breaks new ground to make the feed even more digestible and physiologically effective with the help of biologically sensible refining processes – "feeding like nature®" thus reaches a new dimension.

Lecithin micelles with turbo effect

A part of the valuable feed vital substances is excreted unused by the organism. The reason for this is that many nutrients are transported too slowly through the intestinal wall into the blood. With our liquid products "Qelan®" for horses and "Canigard" for dogs, we have managed to reduce this excretion enormously. With the help of a novel complexation process, we obtain vital substances with unprecedented bioavailability. Very small droplets (micelles) are produced from the vital substances, which are coated with pure lecithin. Due to their small size, which is above the nano range, and the "gliding effect" of the lecithin, the vital substance-lecithin complexes effortlessly pass through the intestinal wall. It is assumed that the absorption rate is three to four times higher than that of non-complexed nutrients. This is what we call the "turbo effect" of the micelles. Functional

nutrients such as L-carnitine, vitamin E, vitamin C, coenzyme Q10 and the joint-protective glycosaminoglycans thus reach significantly higher and more effective concentrations in the target tissues. The organism benefits with higher performance and metabolic potentials. The cell protection and anti-aging effects, of vitamins and joint building substances, can also be improved. It is noteworthy that the company's own complexing process completely dispenses with the otherwise common synthetic surfactants as technical additives, which means that a chemical hazard potential for the sensitive cell membranes can be ruled out. We remain true to our principle of "feeding like nature®".





Fermentation and vinegar production

For several years now, we at **St. Hippolyt**[®] Mühle Ebert in Dielheim have been using the germination of grains and fermentation as a natural refining process for our horse feed. Barley and maize, for example, are germinated before hydrothermal flaking. Brewer's yeast cultures, malt and sweet whey are carefully fermented before being mixed in. What are the advantages of this?

During germination and fermentation, enzymes and beneficial microorganisms convert part of the starch and sugar into short-chain fatty acids in the sense of predigestion. The short-chain fatty acids provide consistent energy and pose fewer digestive and metabolic risks than starch and sugar. The activated plant enzymes as well as yeast enzymes effectively contribute to the small intestinal digestibility of starch, protein and fat in the total feed ration. The organism thus absorbs a higher proportion of the main nutrients fed – an effect that allows to save on concentrated feed. This can reduce susceptibility to digestive problems. The fermentation process of brewer's yeast, malt and whey is controlled in such a way that a certain amount of vinegar is also pro-

duced. This naturally obtained vinegar and refinement bring further benefits for the digestibility of the feed and the health of the digestive organs:

- Sport horses benefit with more stable performance characteristics, as blood glucose is available as an energy source more evenly and without a kickback effect ("blood glucose hole")
- Coupling to starch, which makes starch-induced blood sugar changes slower
- Vinegar has a cleansing effect and, as a seasoning, counteracts many pathogenic bacteria, viruses and fungi.

Carrots Fermentation

At **St. Hippolyt**[®] Mühle Ebert, fermented carrots are used as a topping for the cereal flakes in the feeds, because fermented carrots have a beneficial effect on the intestinal flora and the immune system of horses. The fermented carrots are processed together with the cereal flakes. This results in a high-fibre feed that supports the intestinal flora and strengthens the horse's defenses due to the antioxidant potential of the carotenoids it contains. Carrots are rich in fibre, potassium, iron, zinc and boron. They also contain significant amounts of carotenoids (100-200 mg/kg), tocopherols, nicotinamide, B vitamins as well as polyphenols and thus have considerable antioxidant potential. Carotene has an inhibitory effect on some cancers, and converted as retinol (vitamin A), it is important for maintaining vision and coat health. This tremendous health potential is best preserved by a reductive, anaerobic fermentation environment. We create this environment through anaerobic fermentation with lactic acid bacteria. Nutritionally, the fermented carrot is superior to the raw carrot.

Functional benefit of the process

- Improvement of the texture of the cereal flakes wetted with the carrot fermentate
- Positive influence on the taste
- Increased shelf life of the cereal flakes

A reduction in the glycaemic index of carrots due to:

- Degradation of the sugar of the carrot
- Change of starch in the cereal grain, slowed release of glucose
- Reduction of postprandial blood glucose rise due to lactic and acetic acid

With developments of this kind, **St. Hippolyt**[®] occupies a leading place in nature-oriented nutrient technology – revolutionary yet natural – for healthy and high-performance horses.

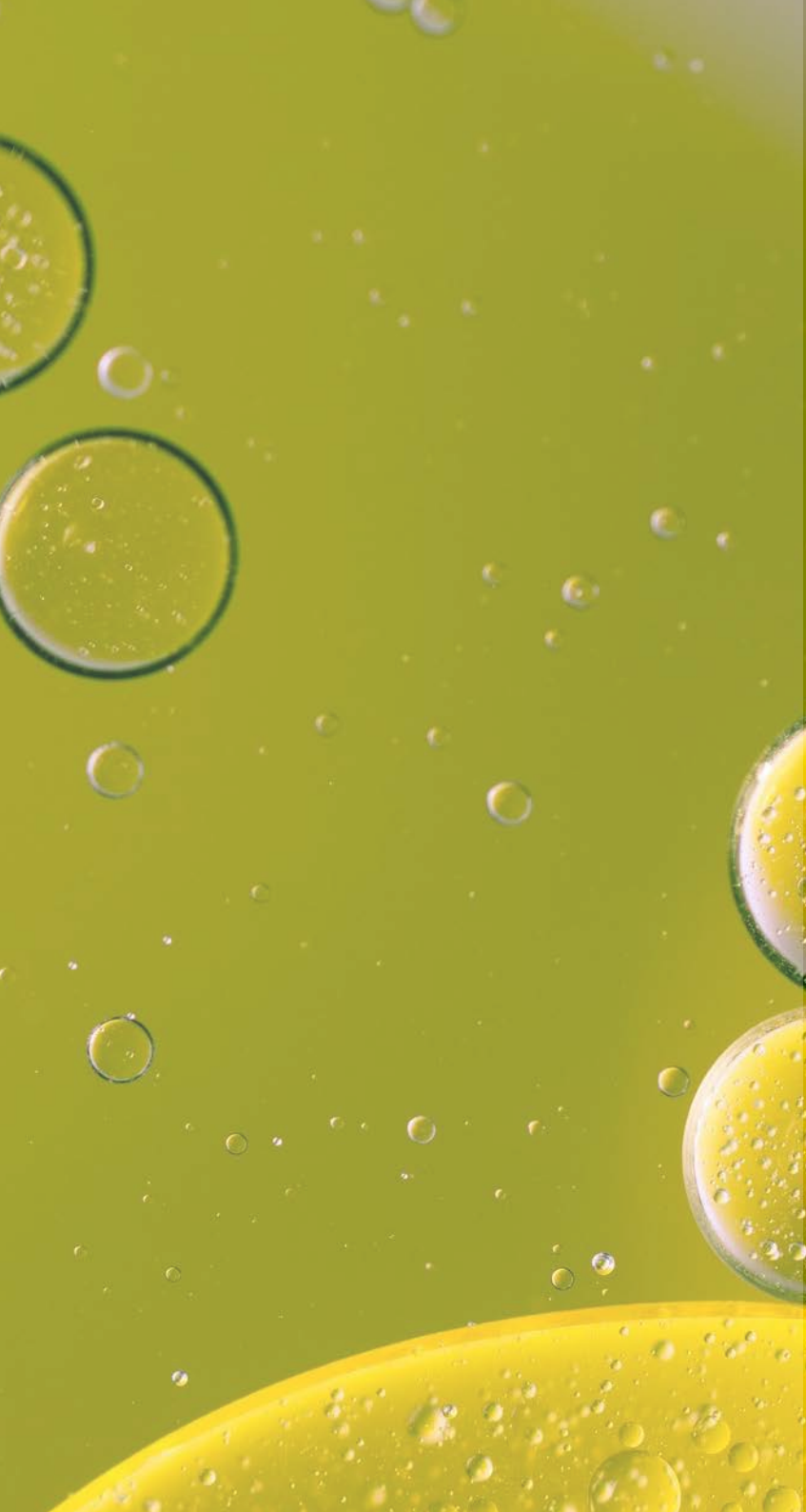
LIPOSOMAL ENCAPSULATION & MICELLATION

The St. Hippolyt® product range is extended by innovative and highly effective liquid products, the St. Hippolyt® LIQUIDS. Essential micronutrients such as trace elements, vitamins or secondary plant compounds are liposomally encapsulated or micellated to reach their destination in the body in a protected way. Dispersed by nanodispersion into the finest droplets, liquids or nanoemulsions are created with stable liposomes or micelles and the micronutrients enclosed in them. The overall effect is an increased efficiency of the respective micronutrient due to a multiple increase in bio-availability and absorption rate. The effectiveness of our products reaches a whole new level.

What are liposomes and micelles?

A liposome consists of a double lipid layer, just as our body cells are surrounded by a double lipid layer (cell membrane). Essentially, this layer is made up of phospholipids, which are composed of a hydrophilic (water-loving) head and two lipophilic (fat-loving) tails. In a liposome, the tails face each other and the heads face the surrounding medium inside and outside, respectively. Liposomes can be used, for example, to encapsulate water-soluble micronutrients in such a way that they are protected from degradation during digestion and are better absorbed by the body's own cells. A liposome thus contains a water droplet with the micronutrient, which is thus protected from the surrounding, usually aqueous medium. A micelle consists of a simple phospholipid layer in which the water-loving heads are also directed outward toward the medium and the tails inward. Since water and fat do not mix, micelles serve as a transport medium to make fat-soluble substances transportable in water or water-soluble substances transportable in oil.





Bioavailability increased many times over

Since the digestive tract and blood vessels primarily use water as a transport medium, fat-soluble substances are made transportable during digestion by a natural biochemical process called micellation, in which they are "encapsulated" in stable micelles. Water-soluble substances are packaged in liposomes by liposomal encapsulation and thus protected from degradation. We use these endogenous principles to make micronutrients such as trace elements, vitamins or secondary plant compounds more transportable, to improve or accelerate absorption and at the same time to protect them from degradation and complexing agents such as phytates. The structural relationship between liposomes, micelles and the membrane of somatic cells facilitates the uptake of transport vesicles into the cell interior by means of endocytosis, without the need for membrane-bound transport proteins and energy.

Nanodispersion

Liposomes and micelles can be of different sizes. By means of an innovative process (nanodispersion), micelles and liposomes are dispersed into very fine droplets. The smaller the liposome or micelle, the more stable the transport vesicle and the higher the efficiency of the encapsulated micronutrient. This further increases bioavailability.

Conserving resources – for the sake of the environment

The enormously increased bioavailability, rapid absorption and reliable effectiveness of the new **St. Hippolyt® LIQUIDS** allow us to use the valuable resources of our planet sparingly. Because we achieve the highest possible physical efficiency, we can reduce the amount we use. Consequently, our motto **Feeding like Nature®** also commands us to treat nature and our environment responsibly

Optimization and further development of our products

Proven products such as the **Hesta plus®** series, **Makor®** and also several other products experience an enormous boost in their effectiveness due to liposomal encapsulation or micellation. In addition, the **St. Hippolyt®** product range is being expanded with new innovative products to support metabolism, organ functions, nervous resilience and performance. Deficits in the micronutrient supply, deficiency situations and a higher micronutrient requirement, due to health problems, can be balanced by the new **St. Hippolyt® LIQUIDS** even more targeted and faster.



STRUKTUR- ENERGETIKUM®

The crown of daily feeding

The variety and power contained in Struktur-E® provide your horse with the herb-rich source of nutrients it needs for an active immune system and vitality. The power pack according to nature's recipe is the basis of nutrition for the leisure and sport horse – nature shows the way!

- Feed concentrate rich in nutrients and vital substances
- Rich in bioactive herbs, secondary plant substances and organically bound trace elements
- With valuable fatty acids and natural vitamin E
- Starch-reduced with high energy content



Complementary feed
for horses

Paper bag 20 kg



The CROWN of daily feeding

Struktur-Energetikum®

Concentrated and rich in vital substances In **Struktur-E®**, selected ingredients such as various oilseeds, seaweed, fruit and diverse herbal components are combined to form a tasty muesli. Due to the particularly high nutrient concentration, feed rations can be quickly balanced so that vital substance coverage is already guaranteed with small feed quantities. Due to the low starch content, it is also ideally suited for horses suffering from muscle problems or stomach and intestinal disorders.

The power of herbs

The diverse herbal components, which are used in seasonal rotation, provide numerous secondary plant substances such as polyphenols, flavonoids or saponins. They have digestive, cleansing, detoxifying and expectorant properties and are therefore important building blocks in a healthy and versatile horse diet.

Healthy fatty acids

The spectrum of cereal germs or oil seeds in **Struktur-E®** is remarkable: maize and barley germs, sunflower and grape seeds, linseeds, fennel and black cumin seeds. Besides the physiologically valuable polyunsaturated omega-3 and omega-6 fatty acids, they provide high-quality proteins, natural vitamins and lecithin.

Digestive stimulant

Brewer's yeast, malt, dried fruits, linseeds, certain trace element compounds and herbs enable a low-bloating, prebiotic and intestinal mucosa-protecting digestion and stabilise the intestinal microbiome in the long term for an intact immune system.

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of approx. **150-300 g per 100 kg body weight and day**, no additional mineral feed is necessary. For small horses, ponies and horses with a low energy requirement, **Struktur-E®** can be used as sole crib feed. For heavily used sport horses we recommend the combination with other **St. Hippolyt®** crib feeds and/or cereals. The total amount should be spread over several rations. In case of lower dosage or supply deficits, we recommend the addition of **SemperMin®** or **MicroVital®**. **1 litre corresponds to approx. 650 g**

Composition

Maize germs, barley flakes (lactofermented), fruit fibres (apple/grape), herbs (peppermint, rosemary, thyme, coriander, parsley, lovage, marjoran, nettle, camomile, fenugreek seeds) 6.6 %, PalaSyrup (Isomaltulose mol.), beet fibres, alfalfa chaff, wheat bran, oil seeds gently cracked and oil cake mixture (linseeds, sunflower seeds, fennel seeds, black cumin seeds) 4 %, maize flakes (lactofermented), oil mixture cold pressed (linseed, sunflower, maize germ oil) 3.7 %, beet syrup, oat bran, grass chaff warm air dried, calcium carbonate (marine and mineral), wholegrain oat flakes (lactofermented) 2 %, rice bran, barley germs, dicalcium phosphate, magnesium oxide/sulphate, salt, garlic, vinegar, brewer's yeast, malt-yeast-seasoning, carrot chips, certified plant feed charcoal

Ingredients

Crude protein.....	10 %	Sugar.....	9.4 %
Crude fat.....	8.5 %	Calcium.....	1.4 %
Crude fibre.....	11.5 %	Phosphorus.....	0.5 %
Crude ash.....	9 %	Magnesium.....	0.5 %
Digestible crude protein.....	65 g/kg	Sodium.....	0.3 %
Digestible energy.....	13.4 MJ/kg	Lysine.....	0.5 %
Metabolisable energy.....	12.4 MJ/kg	Methionine.....	0.2 %
Starch.....	18.5 %		

Additives per kg*:

Nutritional additives

Vitamin A ¹	23 000 IU	Niacin ^{12 a}	53 mg
Vitamin D3 ²	2 500 IU	Folic acid ¹³	6.5 mg
Vitamin E ³	400 mg	Iron ^{16 a, b}	40 mg
Vitamin B1 ^{5 a, b}	13 mg	Zinc ^{17 a, b}	310 mg
Vitamin B2 ⁶	14 mg	Manganese ^{18 a, b}	225 mg
Vitamin B6 ⁷	6.5 mg	Copper ^{19 a, b}	55 mg
Vitamin B12 ⁸	53 mcg	Cobalt ²⁰	3.6 mg
Biotin ⁹	315 mcg	Selenium ^{21 a, b}	0.7 mg
Calcium-D-pantothenate ¹⁰	26 mg	Iodine ²²	0.97 mg
Choline chloride ¹¹	220 mg		

Technological additives

Diatomaceous earth ²⁶..... 14 400 mg

* Read the exact connections on page 138.

STRUKTUR-E® GETREIDEFREI

Starch and sugar-reduced muesli concentrate

Struktur-E® Getreidefrei provides concentrated energy from cereal germs, oil fruits and hydrothermally processed legume flakes. Secondary plant substances from herbs promote well-being, the microbiome and health. Oil fruits such as hemp nuts and linseed are suppliers of the best omega-3 and omega-6 fatty acids. Digestive brewer's yeast and easily fermentable fibres ensure a balanced, physiological intestinal microbiome.

- Gluten-free, starch- and sugar-reduced
- For grain-sensitive horses with increased energy requirements
- 30 valuable herbal components stimulate digestion and promote well-being



Complementary feed
for horses

Paper bag 15 kg



The scents of nature

The Power of Herbs & Oleaginous Fruits

As with our classic **Struktur-Energetikum®**, over 30 different nutritional herbal components are used in seasonal rotation. The herbs have a positive effect on the horse's health due to their content of secondary plant substances. Rosemary, fennel and aniseed ensure physiological functioning of the digestive tract. Thyme, peppermint and black cumin support respiratory function, especially in the cold winter months.

Suitable for all Horses and Ponies

The special recipe makes **Struktur-E® Getreidefrei** suitable for all horses and ponies. Particularly sensitive horses that react to grains, are hyperacidic or suffer from muscle problems benefit from a low-starch and low-sugar feed. It is suitable as a sole crib feed for easy-keepers to increase the energy level, to balance vital substances and for hard-keepers that already receive larger cereal-based concentrates.



Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of approx. **150-300 g per 100 kg body weight and day**, no additional mineral feed is necessary. For small horses, ponies and horses with a low energy requirement, **Struktur-E®** Getreidefrei can be used as sole crib feed. For heavily used sport horses we recommend the combination with other **St. Hippolyt®** crib feeds and/or cereals. The total amount should be spread over several rations. In case of lower dosage or supply deficits, we recommend the addition of **SemperMin®** or **MicroVital®**. **1 litre corresponds to approx. 420 g**

Composition

Maize germs, grass chaff warm air dried, PalaSyrup (Isomaltulosemol.), alfalfa chaff, soy flakes hydrothermally processed*, fruit fibres (apple/grape), herbs (peppermint, rosemary, milk thistle seeds, thyme, coriander, juniper berries, parsley, nettle, lovage, marjoram, camomile, fennel, anise), wheat bran, beet fibre, oilseed mixture gently cracked (linseed, sunflower seeds, fennel seeds, hemp nuts, black cumin seeds), pea flakes, beet syrup, oil mixture cold pressed (linseed, sunflower, maize germ oil), oat bran, calcium carbonate (marine and mineral), rice bran, sweet potato, magnesium phosphate/oxide, salt, parsnip root, garlic, vinegar, brewer's yeast, malt-yeast-seasoning, rice germs, certified plant feed charcoal

* Soy from regional contract farming (GMO-free) exclusive for St. Hippolyt

Ingredients

Crude protein.....	12 %	Sugar.....	7.2 %
Crude fat.....	9.7 %	Calcium.....	1.25 %
Crude fibre.....	10 %	Phosphorus.....	0.35 %
Crude ash.....	7.8 %	Magnesium.....	0.5 %
Digestible crude protein.....	83 g/kg	Sodium.....	0.37 %
Digestible energy.....	12 MJ/kg	Lysine.....	0.53 %
Metabolisable energy.....	11 MJ/kg	Methionine.....	0.2 %
Starch.....	5 %		

Additives per kg*:

Nutritional additives

Vitamin A ¹	20 000 IU	Niacin ^{12 a}	60 mg
Vitamin D3 ²	2 200 IU	Folic acid ¹³	6 mg
Vitamin E ³	470 mg	Iron ^{16 a,b}	40 mg
Vitamin B1 ^{5 b}	12 mg	Zinc ^{17 a,b}	270 mg
Vitamin B2 ⁶	13 mg	Manganese ^{18 a,b}	210 mg
Vitamin B6 ⁷	7 mg	Copper ^{19 a,b}	30 mg
Vitamin B12 ⁸	50 mcg	Cobalt ²⁰	2 mg
Biotin ⁹	300 mcg	Selenium ^{21 a,b}	0.6 mg
Calcium-D-pantothenate ¹⁰	24 mg	Iodine ²²	1.1 mg
Choline chloride ¹¹	180 mg		

Technological additives

Diatomaceous earth ²⁶..... 8 500 mg

* Read the exact connections on page 138.

IRISH MASH®

Balm for body and soul

The extremely varied recipe activates metabolism and digestion, is easy to prepare and should not be missing from the feed plan on standing days, during change of coat, after increased performance or after stress.

- Activates metabolism and digestion
- Cleanses the intestines, aids digestion and has a dietary concept
- Quick preparation, also possible with cold water

A feed with tradition

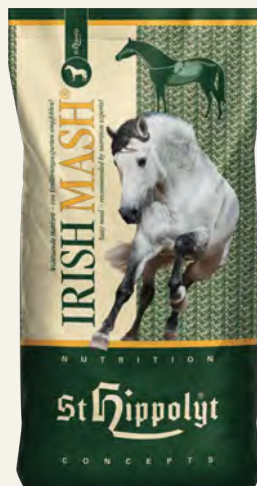
Mash has been fed for centuries after hard work, in times of convalescence or to prevent colic. With its extensive recipe and particularly good acceptance, **Irish Mash®** can be offered as the first meal after colic, operations, in convalescence, in case of loss of appetite and chewing problems.

Irish Mash® is particularly tasty, closely based on the original traditional recipe of wheat bran and linseed and further developed according to the latest nutritional findings. The yellow linseed, gently cracked in

a special process, allows a quick preparation without cooking. The digestibility and dietary effect are guaranteed by a low starch content, highly digested cereals, coriander and brewer's yeast. Due to its intestinal supportive properties, it can improve feed conversion in hard-keepers and thus improve weight gain. **Irish Mash®** supports the regeneration after competitions, mating and foal births and has proved to be particularly effective during the change of coat.

Complementary feed
for horses

Bucket 3 kg & 5 kg
Paper bag 7.5 & 15 kg



Love goes through the stomach

Our recommendation

For grain-sensitive horses
we recommend our grain-free
Glyx-Mash®.



Feeding recommendation

Mix approx. 70-200 g per 100 kg body weight with 1.5 to double the amount of warm/hot water and offer after approx. 15 min. swelling time. It can also be prepared with cold water, in which case the swelling time increases to approx. 30 minutes. As a rule, feed 3-4 times a week, if necessary a reduced amount can also be offered daily.

1 litre corresponds to approx. 550 g

Composition

Wheat bran, barley flakes (lactofermented), maize flakes (lactofermented), oil seeds gently cracked and oil cake mixture (linseed, sunflower seeds) 9.1 %, wholegrain oat flakes (lactofermented) 8 %, fruit fibres (apple/grape), beet syrup, beet fibre, grass chaff warm air dried, PalaSyrup (Isomaltulose mol.), brewer's yeast 1.3 %, salt, oil mixture cold pressed (linseed, sunflower, maize germ oil) 0.8 %, coriander, maize germs, vinegar, calcium carbonate (mineral)

Ingredients

Crude protein	12.6 %	Starch	23 %
Crude fat	5.3 %	Sugar	10.6 %
Crude fibre	9.6 %	Calcium.....	0.4 %
Crude ash	6.8 %	Phosphorus.....	0.5 %
Digestible crude protein	88 g/kg	Magnesium.....	0.2 %
Digestible energy	11.3 MJ/kg	Sodium	0.6 %
Metabolisable energy	10 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	7 000 IU	Choline chloride ¹¹	250 mg
Vitamin D3 ²	841 IU	Niacin ^{12 a}	18 mg
Vitamin E ³	34 mg	Folic acid ¹³	2.1 mg
Vitamin B1 ^{5 b}	4 mg	Iron ^{16 a}	6.7 mg
Vitamin B2 ⁶	4 mg	Zinc ^{17 a}	51 mg
Vitamin B6 ⁷	2 mg	Manganese ^{18 a}	25 mg
Vitamin B12 ⁸	17 mcg	Copper ^{19 a}	7.6 mg
Biotin ⁹	84 mcg	Selenium ^{21 a}	0.2 mg
Calcium-D-pantothenate ¹⁰	9 mg	Iodine ²²	0.3 mg

Technological additives

Diatomaceous earth ²⁶..... 9 000 mg

* Read the exact connections on page 138.

GLYX-MASH®

Grain-free mash for easy-keepers & ponies

A juicy apple, a crunchy carrot, fresh grass or a fragrant muesli after a hard day's work – a tasty and, at first glance, healthy reward. But many of these sources of happiness contain a considerable amount of starch and sugar. A constant excess of this leads to a constantly elevated blood sugar level with a corresponding insulin response. This not only leads to obesity, but increases the risk of metabolic disorders. But there are possibilities for a healthy reward without risk and without a guilty conscience. Thanks to Glyx-Mash®, even grain-sensitive or allergic horses can enjoy mash feeding. Just like conventional mash, Glyx-Mash® is used to support horses during the change of coat, convalescence or digestive disorders – but without any cereal starch!

- Free from cereal starch and gluten
- Low glycaemic index
- Prebiotic and detoxifying



Complementary feed
for horses

Bucket 5 kg
Paper bag 15 kg





Glyx-Mash® – the mash for special cases

Glyx-Mash® is free of cereal starch and gluten and therefore low in starch and sugar. A rich composition of prebiotic ingredients helps to harmonise intestinal function. Selected herbs also support the digestive processes.

Protection and care inside

The mucilages in cracked linseed protects the gastrointestinal walls throughout the digestive tract. The excellent swelling capacity of **Glyx-Mash®** ingredients promotes pressure on the intestinal walls and supports the elimination of foreign and harmful substances. The stimulation of intestinal movement facilitates emptying. **Glyx-Mash®** can be used for general digestive support, on standing days, during the change of coat, after high performance or during convalescence.

Feeding recommendation

Mix approx. 70-250 g per 100 kg body weight with 1.5 to double the amount of warm/hot water and offer after approx. 15 min. swelling time. It can also be prepared with cold water, in which case the swelling time increases to approx. 30 minutes. As a rule, feed 3-4 times a week, if necessary it can also be offered daily.

1 litre corresponds to approx. 430 g

Composition

Grass chaff warm air dried, beet fibre, brewer's yeast, fruit fibre (apple/grape), apple syrup, maize germs, oil seeds gently cracked (linseed, sunflower seeds), herbs (fennel, milk thistle seeds, camomile, fenugreek seeds) 2 %, carrots, oil mixture cold pressed (linseed, sunflower oil), calcium carbonate (marine and mineral), magnesium oxide, vinegar, salt, cinnamon, sunflower blossoms, ginger, cornflower blossoms

Ingredients

Crude protein	10.9 %	Starch	4 %
Crude fat	6 %	Sugar	5.5 %
Crude fibre	17 %	Calcium.....	1.2 %
Crude ash	9.2 %	Phosphorus.....	0.5 %
Digestible crude protein	72.8 g/kg	Magnesium.....	0.5 %
Digestible energy	9.6 MJ/kg	Sodium	0.4 %
Metabolisable energy	8.4 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	8 000 IU	Biotin ⁹	207 mcg
Vitamin D3 ²	930 IU	Calcium-D-pantothenate ¹⁰	21 mg
Vitamin E ³	37 mg	Choline chloride ¹¹	186 mg
Vitamin B1 ^{5b}	10 mg	Niacin ^{12a}	41 mg
Vitamin B2 ⁶	10 mg	Folic acid ¹³	5.2 mg
Vitamin B6 ⁷	5.2 mg	Iron ^{16a,b}	11 mg
Vitamin B12 ⁸	41 mcg		

Technological additives

Diatomaceous earth ²⁶	8 750 mg
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* Read the exact connections on page 138.

For
serenity
weight &
gain



REFORM G®

Powerful but calm

When a horse is figuratively stung by oats, the horse owner should resort to other cereals. Highly broken down barley flakes together with oleaginous fruits, oils and fibres provide the energy that makes even temperamental horses balanced sport and leisure partners! The balanced Reform G® is particularly suitable for feeding temperamental and hard-keeping riding horses.

- Highly digestible cereal flakes (oat-free)
- Moderate protein content
- With herbs, seaweed, oils and oleaginous fruits

Diverse energy sources without oats

In addition to highly solubilised barley and maize flakes, maize germs, linseed and sunflower seeds, **Reform G®** contains high-quality cold pressed oils. In addition, tasty, fermentable fibres such as apple fibre, beet fibre and alfalfa chaff serve as energy suppliers. The protein content is moderate, with a needs-adapted amino acid pattern. **Reform G®** thus not only provides excellent energy for the working horse, but also supports the gentle weight gain of lean horses.

For good digestion

The intact plant fibres and dried fruits provide carbohydrates that increase the activity of intestinal bacteria and thus support the bacterial synthesis of energy-rich fatty acids and essential vitamins in the large intestine. In addition, linseed and brewer's yeast stimulate intestinal motor activity and protect the mucous membranes. In addition to the digestive carbohydrates, a fine blend of spices stimulates appetite and chewing activity.

Complementary feed
for horses

Paper bag 20 kg



Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of approx. 500-800 g per 100 kg body weight and day, no additional mineral feed is necessary. The total amount should be spread over several rations. In case of lower dosage or supply deficits, we recommend the addition of **SemperMin®** or **MicroVital®**.

1 litre corresponds to approx. 600 g.

Composition

Barley flakes (lactofermented), maize flakes (lactofermented), beet syrup, fruit fibres (apple/grape), grass chaff warm air dried, wheat bran, alfalfa chaff, oat bran, PalaSyrup (isomaltulosemol.), oilseeds gently cracked and oil cake mixture (linseed, sunflower seeds, black cumin seeds) 3 %, oil mixture cold pressed (linseed, sunflower, maize germ oil) 2.5 %, calcium carbonate (marine and mineral), beet fibre, maize germs, herbs (peppermint, thyme, coriander, rosemary, nettle, camomile, fenu-greek seeds) 1 %, barley germs, salt, garlic, brewer's yeast, vinegar, magnesium oxide/sulphate, dicalcium phosphate, certified plant feed charcoal, carrots, pea flake meal

Ingredients

Crude protein	10 %	Starch	27.5 %
Crude fat	5 %	Sugar	8.5 %
Crude fibre	9 %	Calcium.....	1.3 %
Crude ash	8.5 %	Phosphorus.....	0.4 %
Digestible crude protein	65 g/kg	Magnesium.....	0.2 %
Digestible energy	10.9 MJ/kg	Sodium	0.4 %
Metabolisable energy	9.9 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	12 000 IU	Niacin ^{12 a}	30 mg
Vitamin D3 ²	1 370 IU	Folic acid ¹³	3.6 mg
Vitamin E ³	67 mg	Iron ^{16 a, b}	34 mg
Vitamin B1 ^{5 a, b}	7 mg	Zinc ^{17 a, b}	129 mg
Vitamin B2 ⁶	8 mg	Manganese ^{18 a, b}	64 mg
Vitamin B6 ⁷	3.8 mg	Copper ^{19 a, b}	26 mg
Vitamin B12 ⁸	38 mcg	Cobalt ²⁰	0.4 mg
Biotin ⁹	207 mcg	Selenium ^{21 a, b}	0.3 mg
Calcium-D-pantothenate ¹⁰	15 mg	Iodine ²²	0.4 mg
Choline chloride ¹¹	230 mg		

Technological additives

Diatomaceous earth ²⁶	11 000 mg
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* Read the exact connections on page 138.

NUTRISTAR®

Precision, endurance & serenity

Western horses impress with their compact build and clear head. To do justice to this type of horse, a very special feed concept is needed.

- Essential amino acids such as lysine and methionine for a better musculature
- Rich in fibre and grain germs
- Moderate grain content

For special types

Western horses, such as Quarter Horses or Appaloosas and other breeds originally bred for cattle work, are genetically endowed with higher muscle contents. They have more muscle mass relative to body weight than other horse breeds. The ration must therefore supply mainly muscle-relevant nutrients at a moderate energy intake. If the requirements are not met appropriately, bones, tendons, ligaments and joints compete for the remaining nutrients. This can lead to long-term deficiencies with early signs of wear and tear.

Muscle-relevant ingredients

NutriStar® provides high-quality proteins for breed-specific requirements. The energy supply is based on fermentable pectins, oleaginous fruits and oils. The low proportion of easily digestible carbohydrates protects the muscles from over-acidification. Diverse antioxidants such as vitamins, trace elements and secondary plant compounds support the muscle cells against oxidative stress and enable smooth energy burning. Especially for muscle building of young horses (all breeds) **NutriStar®** is suitable due to its muscle-relevant composition.

Complementary feed
for horses

Paper bag 20 kg



"As owners of a horse farm with about 80 horses, we are fully aware of our responsibility regarding health. The majority of the horses we house are sport horses and are in training. They perform during training and show their skills at competitions. Our goal is a healthy, high-performance horse!

For several years we have been feeding the HorseAcademy special mixture from St. Hippolyt® Mühle Ebert. We are firmly convinced that we have made the best decision for our horses as well as for our customers. St. Hippolyt® Mühle Ebert GmbH is a partner for HorseAcademy that works in detail!"

Daniel & Denise Straumann,
HorseAcademy



Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of **approx. 300-600 g per 100 kg body weight and day**, no additional mineral feed is necessary. The total amount should be spread over several rations. In case of lower dosage or supply deficits, we recommend the addition of **SemperMin®** or **MicroVital®**.

1 litre corresponds to approx. 600 g

Composition

Barley flakes (lactofermented), grass chaff warm air dried, alfalfa chaff, fruit fibres (apple/grape), beet syrup, wheat bran, maize germs, maize flakes (lactofermented), PalaSyrup (Isomaltulose mol.), beet fibre, oat bran, oilseeds gently cracked and oil cake mixture (linseed, sunflower seeds, fennel seeds, black cumin seeds) 3 %, wholegrain oat flakes (lactofermented) 2.3 %, oil mixture cold pressed (linseed, sunflower, maize germ oil) 1.2 %, herbs (peppermint, thyme, coriander, rosemary, nettle, chamomile, fenugreek seeds) 1.8 %, calcium carbonate (marine and mineral), barley germs, salt, brewer's yeast, rice germs, garlic, magnesium oxide/phosphate/sulfate, vinegar, certified plant feed charcoal, carrots, pea flake meal

Ingredient

Crude protein	10 %	Sugar	9.2 %
Crude fat	12 %	Calcium.....	0.8 %
Crude ash	8.5 %	Phosphorus.....	0.3 %
Digestible crude protein.....	65 g/kg	Magnesium.....	0.2 %
Digestible energy.....	10.4 MJ/kg	Sodium	0.3 %
Metabolisable energy.....	9.3 MJ/kg	Lysine.....	0.5 %
Starch.....	17.7 %	Methionine	0.25 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	13 000 IU	Niacin ^{12 a, b}	65 mg
Vitamin D3 ²	1 400 IU	Folic acid ¹³	5 mg
Vitamin E ³	130 mg	Iron ^{16 a, b}	250 mg
Vitamin B1 ^{5 b}	10 mg	Zinc ^{17 a, b}	220 mg
Vitamin B2 ⁶	10 mg	Manganese ^{18 a, b}	180 mg
Vitamin B6 ⁷	7 mg	Copper ^{19 a, b}	30 mg
Vitamin B12 ⁸	30 mcg	Cobalt ²⁰	1 mg
Biotin ⁹	320 mcg	Selenium ^{21 a, b}	0.6 mg
Calcium-D-pantothenate ¹⁰	22 mg	Iodine ²²	0.5 mg
Choline chloride ¹¹	850 mg		

Technological additives

Diatomaceous earth ²⁶..... 8 600 mg

* Read the exact connections on page 138.

HESTA MIX®

Particularly rich in micronutrients

What started in 1998 as a feeding trial by the Hesta Borg stud for special breeds became one of the most successful St. Hippolyt® feed concepts for horses of all breeds: Hesta Mix®. Using Icelandic horses as an example, the connection between nutrient deficiencies and symptoms such as eczema, immune disorders, itching and psychological disorders was demonstrated. The breakthrough finding in optimizing the requirements of feed rations.

- With highly bioavailable trace elements
- With herbs, seaweed, oils and oleaginous fruits
- Free from oats

Deficiency symptoms have many faces

Many horses are usually supplied with sufficient energy even with a small amount of crib feed. However, a supply of vital substances that meets the horse's needs often falls by the wayside when only a small amount of feed is given. The consequences are deficiency symptoms such as nervousness and inner restlessness, signs of wear and tear, utilization disorders, susceptibility to infections, skin problems, allergies, emaciation, metabolic problems and hormone disorders.

Particularly high content of trace elements

The **Hesta Mix®** series is a horse feed rich in vital elements with a particularly high content of highly bioavailable micronutrients. Even with small crib feed rations, this ensures a needs-based supply of organically bound trace elements. Deficiencies are compensated or already prevented quickly and reliably due to the reliable absorption via the intestine and the rapid reaching of the target organ.

Hesta Mix® Classic

The pellet is suitable for easy-keeping horse breeds. The rations of boarding horses experience an enhancement with **Hesta Mix® Classic** as a supplement to the farm's own feed, which is quickly visible in the skin and coat appearance.

Hesta Mix® Müsli

The tasty **Hesta Mix®** is especially suitable for regularly worked horses with an average requirement for concentrated feed. Mostly these are easy-keeping, larger breeds such as Andalusians, Lusitanos, cold-blooded horses, Arabians, Tinkers or Friesians.

Hesta Mix® Light Energy

Hesta Mix® light energy series is a horse feed rich in vital elements with a particularly high content of highly bioavailable micronutrients. Even with small crib feed rations, this ensures a needs-based supply of organically bound trace elements. Deficiencies are compensated or already prevented quickly and reliably due to the reliable absorption via the intestine and the rapid reaching of the target organ.

Complementary feed
for horses

CLASSIC:
Paper bag 25 kg

MÜSLI:
Paper bag 20 kg

LIGHT ENERGY:
Bucket 10 kg
Paper bag 20 kg



Composition CLASSIC

Barley flakes (lactofermented), wheat bran, oat bran, oilseeds gently cracked and oil cake mixture (linseed, sunflower seeds, black cumin seeds) 9.4 %, grass chaff warm air dried, maize germs 5.5 %, fruit fibres (apple/grape), alfalfa chaff, herbs (peppermint, thyme, rosemary, nettle, chamomile, fenugreek seeds) 3.3 %, beet fibre, calcium carbonate (marine and mineral), brewer's yeast, barley germs, salt, oil mixture cold pressed (linseed, sunflower oil) 0.5 %, rice germs, maize flakes (lacto-fermented), garlic, vinegar, magnesium oxide/sulfate, dicalcium phosphate, certified plant feed charcoal, pea flake meal

Composition MÜSLI

Barley flakes (lactofermented), maize flakes (lactofermented), PalaSyr-up (Isomaltulose mol.), alfalfa chaff, grass chaff warm air dried, fruit fibres (apple/grape), wheat bran, oat bran, oilseeds gently cracked and oil cake mixture (linseed, sunflower seeds, fennel seeds, black cumin seeds) 3.2 %, oil mixture cold pressed (linseed, sunflower, maize germ oil) 2.4 %, maize germs, calcium carbonate (marine and mineral), beet fibre, herbs (peppermint, rosemary, thyme, coriander, nettle, chamomile, fenugreek seed) 1.3 %, brewer's yeast, salt, barley germs, vinegar, garlic, rice germs, magnesium oxide/phosphate/sulfate, certified plant feed charcoal, carrots, pea flake meal

Composition LIGHT ENERGY

Barley flakes (lactofermented), wheat bran, fruit fibres (apple/grape), oilseeds gently cracked and oil cake mixture (linseed, sunflower seeds, black cumin seeds) 7.4 %, grass chaff warm air dried, alfalfa chaff, maize germs, beet fibre, calcium carbonate (marine and mineral), oat bran, brewer's yeast, maize flakes (lactofermented), oil mixture cold pressed (linseed, sunflower, maize germ oil) 2.4 %, salt, PalaSyr-up (Isomaltulose mol.), herbs (peppermint, fennel, coriander, thyme, rosemary, nettle, chamomile, fenugreek) 1.4 %, magnesium oxide/lysinate/phosphate, carrots, garlic, rice germs, vinegar, certified plant feed charcoal, pea flake meal

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of

Classic: ca. 150-250 g 1 litre corresponds to approx. 750 g

Müsli: ca. 200-300 g 1 litre corresponds to approx. 600 g

Light: ca. 100-150 g 1 litre corresponds to approx. 550 g per 100 kg body weight and day, no additional mineral feed is necessary. The total amount should be spread over several rations. In case of lower dosage or supply deficits, we recommend the addition of **SemperMin®** or **MicroVital®**.

Particularly
rich in
micronutrients

Ingredients

	Classic	Müsli	Light Energy
Crude protein	12 %	10 %	10 %
Crude fat	4.6 %	4.8 %	6 %
Crude fibre	14 %	9 %	12 %
Crude ash	9 %	8 %	11 %
Digestible crude protein	83 g/kg	65 g/kg	65 g/kg
Digestible energy	9.9 MJ/kg	11 MJ/kg	10 MJ/kg
Metabol. energy	8.6 MJ/kg	10 MJ/kg	9 MJ/kg
Starch	18 %	23 %	12.7 %
Sugar	4 %	9 %	8.7 %
Calcium	1.3 %	1.1 %	1.4 %
Phosphorus	0.55 %	0.3 %	0.45 %
Magnesium	0.3 %	0.3 %	0.35 %
Sodium	0.45 %	0.4 %	0.6 %

Additives per kg*:

Nutritional additives

	Classic	Müsli	Light Energy
Vitamin A ¹	18 000 IU	15 000 IU	20 000 IU
Vitamin D3 ²	2 300 IU	1 700 IU	2 100 IU
Vitamin E ³	120 mg	95 mg	125 mg
Vitamin B1 ⁵	10 mg	10 mg	10 mg
Vitamin B2 ⁶	10 mg	10 mg	10 mg
Vitamin B6 ⁷	6 mg	7 mg	7 mg
Vitamin B12 ⁸	40 mcg	40 mcg	40 mcg
Biotin ⁹	230 mcg	250 mcg	250 mcg
Calcium-D-pantothenate ¹⁰	23 mg	20 mg	35 mg
Cholin chloride ¹¹	200 mg	550 mg	1 000 mg
Niacin ¹²	45 mg	60 mg	110 mg
Folic acid ¹³	5,6 mg	5 mg	7 mg
Iron ^{16 a, b}	150 mg	200 mg	220 mg
Zinc ^{17 a, b}	350 mg	320 mg	580 mg
Manganese ^{18 a, b}	220 mg	280 mg	540 mg
Copper ^{19 a, b}	60 mg	70 mg	100 mg
Cobalt ²⁰	1.2 mg	2 mg	2 mg
Selenium ^{21 a, b}	0.66 mg	0.7 mg	1.3 mg
Iodine ^{22 a, b}	0.56 mg	0.8 mg	1.5 mg

Technological additives

	Classic	Müsli
Diatomaceous earth ²⁶	6 300 mg	8 600 mg

* Read the exact connections on page 138.

VITALMÜSLI BESTE JAHRE®

Rich nutritional and restorative feed for older horses
and horses with special requirements

When the topline becomes more angular and the first grey hairs give the horse senior a wise expression, we should support the vitality and life force with special nutrients. We can consider ourselves lucky to be able to look back on eventful years together.

- Rich in high quality fibre
- Easily digestible and restorative
- With herbs, seaweed, oils and oil fruits



Complementary feed
for horses

Paper bag 20 kg



The best comes at the end

Vitality in old age

In old age, the demand for performance decreases and with it the need for energy from carbohydrates. Often, health problems limit the performance of older horses. In order for seniors to maintain their body substance and well-formed appearance, a specially adapted nutrient composition is required.

The „Anti-Aging“-Strategy

High-quality fibres and herbs can compensate for nutrient deficiencies in roughage. Cold pressed oils in combination with a special variety of natural vital substance carriers and trace elements ensure an excellent nutrient density. A good prerequisite for counteracting age-related nutrient deficiencies that can lead to allergies, eczema, respiratory problems and digestive disorders. Vitalmüsli **Beste Jahre**® is not only suitable for seniors, but also for sensitive and demanding horses as well as a "standing feed" against loss of substance.

Our recommendation

In the case of senior horses, a secure supply of roughage should be ensured and, if necessary GlyxWiese® Heucobs or GlyxWiese® Seniorfaser should be added. Vitalmüsli Beste Jahre® is suitable for feeding lean horses of all ages.

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of **approx. 300-600 g per 100 kg body weight and day**, no additional mineral feed is necessary. The total amount should be spread over several rations. In case of lower dosage or supply deficits, we recommend the addition of **SemperMin®** oder **MicroVital®**.

1 litre corresponds to approx. 600 g

Composition

Barley flakes (lactofermented), grass chaff warm air dried 22 % of which 5 % GlyxWiese Super Fibre (barley, oat, wheat grass), maize flakes (lactofermented), beet syrup, maize germs, fruit fibres (apple/grape), wheat bran, PalaSyrup (isomaltulosemol.), oilseeds gently cracked and oil cake mixture (linseed, sunflower seeds, black cumin seeds) 2.6 %, wholegrain oat flakes (lactofermented) 3 %, oat bran, oil mixture cold pressed (linseed, sunflower, maize germ oil) 2.3 %, beet fibre, calcium carbonate (marine and mineral), alfalfa chaff, herbs (peppermint, rosemary, thyme, fennel-anise, nettle, camomile, parsley, lovage, marjoram) 1.1 %, salt, barley germs, brewer's yeast, vinegar, magnesium phosphate/oxide/sulphate, rice bran, dicalcium phosphate, garlic, certified plant feed charcoal, malt-yeast-seasoning

Ingredients

Crude protein	9.3 %	Sugar	8.3 %
Crude fat	5.7 %	Calcium.....	0.8 %
Crude fibre	8.5 %	Phosphorus.....	0.3 %
Crude ash	7 %	Magnesium.....	0.22 %
Digestible crude protein	58.1 g/kg	Sodium	0.4 %
Digestible energy	13.7 MJ/kg	Lysine.....	0.5 %
Metabolisable energy	12.7 MJ/kg	Methionine	0.15 %
Starch	22.8 %		

Additives per kg*:

Nutritional additives

Vitamin A ¹	10 000 IU	Choline chloride ¹¹	102 mg
Vitamin D3 ²	1 130 IU	Niacin ^{12 a, b}	24 mg
Vitamin E ³	90 mg	Folic acid ¹³	3 mg
Vitamin C ⁴	900 mg	Iron ^{16 a, b}	60 mg
Vitamin B1 ^{5 a, b}	6 mg	Zinc ^{17 a, b}	200 mg
Vitamin B2 ⁶	6,5 mg	Manganese ^{18 a, b}	143 mg
Vitamin B6 ⁷	3 mg	Copper ^{19 a, b}	32 mg
Vitamin B12 ⁸	24 mcg	Cobalt ²⁰	0.8 mg
Biotin ⁹	140 mcg	Selenium ^{21 a, b}	0.4 mg
Calcium-D-pantothenate ¹⁰	12 mg	Iodine ²²	0.4 mg

Technological additives

Diatomaceous earth ²⁶..... 10 100 mg

* Read the exact connections on page 138.

EQUIGARD®

Easy feeding – grain-free & low carb

When feeding easy-keeping or overweight horses, it is even more important to make a clear distinction between vital substance and energy requirements. If carbohydrate metabolism disorders have already occurred or are to be prevented, a special feed concept is required: without grain starch, but with many important vital substances!

- Grain free, very low starch and sugar content
- Rich in low-glycaemic fibre, with herbs, seaweed, oils and oleaginous fruits
- Special mineralisation to stabilise carbohydrate and fat metabolism



Complementary feed
for horses

CLASSIC:
Paper bag 25 kg
MÜSLI:
Paper bag 20 kg



Feeding
light

For a grain-free diet

Equigard® is intended for the nutrition of easy-keeping, overweight horses that need to be fed a low starch and low sugar diet or are at increased risk of metabolic problems due to their constitution.

Less starch – more health

Scientific studies show that in cases of metabolic problems, the total content of non-structural carbohydrates such as grain starch and sugar in the feed ration should be reduced. **Equigard®** contains significantly less starch and sugar than grains and is therefore ideally suited as a low energy diet for horses at risk or already affected.

Feed the metabolism

To stabilise insulin function, carbohydrate and fat metabolism, vital substances such as magnesium, zinc, copper, manganese, selenium, omega-3 fatty acids, lecithin and antioxidants such as vitamin E and flavonoids from fruit are of particular importance.

Our recommendation

Equigard® is also ideally suited as a "standing feed" during convalescence.

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of approx. **200-350 g per 100 kg body weight and day**, no additional mineral feed is necessary. The total amount should be spread over several rations. For lower dosage or supply deficits, we recommend the addition of **Glucogard®** or **MicroVital®**. In case of increased energy requirements (for performance horses) combine with **Struktur-E®** Getreidefrei and vegetable oils.

1 litre corresponds to approx. 800 g Equigard® Classic.

1 litre corresponds to approx. 400 g Equigard® Müsli.

Composition CLASSIC

Grass chaff warm air dried (low glycaemic) 34 %, fruit fibres (apple/grape), beet fibres, wheat bran, oil cake mixture (linseed, sunflower seeds), rice bran, maize germs, oat bran, brewer's yeast, PalaSyrup (Isomaltulose mol.), oil mixture cold pressed (linseed, sunflower, maize germ oil) 2.2 %, calcium carbonate (marine and mineral), herbs (honeysuckle, blueberry leaves, meadowsweet, hawthorn, milk thistle seeds) 1.4 %, salt, vinegar, dicalcium phosphate, garlic

Composition MÜSLI

Grass chaff warm air dried (low glycaemic) 27 %, beet fibre, fruit fibre (apple/grape), maize germs, PalaSyrup (Isomaltulose mol.), oilseeds gently cracked and oil cake mixture (linseed, sunflower seeds) 4 %, alfalfa chaff, brewer's yeast, oil mixture cold pressed (linseed, sunflower, maize germ oil) 2.5 %, rice bran, herbs (camomile, fennel, peppermint, rosemary, hawthorn, nettle, coriander, fenugreek seed, milk thistle seed, thyme) 2 %, magnesium oxide/fumarate/phosphate/sulphate, calcium carbonate (marine and mineral), dicalcium phosphate, salt, soy flakes hydrothermally processed*, garlic, malt-yeast-seasoning, carrots, sainfoin, pea flake meal, vinegar, certified plant feed charcoal, turmeric

* Soy from regional contract farming (GMO-free) exclusive for St. Hippolyt

Ingredients

	Classic	Müsli
Crude protein	9.6 %	9.6 %
Crude fat	5.6 %	9.4 %
Crude fibre	16.6 %	18 %
Crude ash	9.6 %	9 %
Digestible crude protein	62 g/kg	61 g/kg
Digestible energy	9.5 MJ/kg	10 MJ/kg
Metabolisable energy	8.4 MJ/kg	9 MJ/kg
Starch	3 %	3 %
Sugar	7 %	6 %
Calcium	1.3 %	1.3 %
Phosphorus	0.5 %	0.4 %
Magnesium	0.2 %	0.6 %
Sodium	0.5 %	0.6 %
Lysine	0.6 %	0.6 %
Methionine	0.2 %	0.2 %

Additives per kg*:

Nutritional additives

	Classic	Müsli
Vitamin A ¹	16 000 IU	15 000 IU
Vitamin D3 ²	1 800 IU	1 670 IU
Vitamin E ³	525 mg	570 mg
Vitamin B1 ^{5 a, b}	9 mg	43 mg
Vitamin B2 ⁶	11 mg	79 mg
Vitamin B6 ⁷	4.7 mg	39 mg
Vitamin B12 ⁸	40 mcg	42 mcg
Biotin ⁹	232 mcg	275 mcg
Calcium-D-pantothenate ¹⁰	19 mg	18 mg
Cholin chloride ¹¹	220 mg	200 mg
Niacin ^{12 a, b}	40 mg	37 mg
Folic acid ¹³	4.7 mg	4 mg
Iron ^{16 a, b}	92 mg	200 mg
Zinc ^{17 a, b}	294 mg	300 mg
Manganese ^{18 a, b}	282 mg	300 mg
Copper ^{19 a, b}	80 mg	64 mg
Cobalt ²⁰	1.5 mg	3 mg
Selenium ^{21 a}	0.7 mg	0.8 mg
Iodine ²²	0.9 mg	1 mg

Technological additives

	Classic	Müsli
Diatomaceous earth ²⁶	7 900 mg	10 375 mg

* Read the exact connections on page 138.

RICELEIN

Grain-free energy balancer

RiceLein is a low-glycaemic energy balancer to enhance low-energy rations. Instead of starch sources, easily fermentable fibres and rice bran provide quickly available energy. The gastrointestinal protective properties of linseed make it particularly suitable for horses with a sensitive gastrointestinal tract. Due to the reduction of starch and sugar, it can also be fed to horses with muscle problems such as PSSM, MIM and tying up or horses with PPID (= Pituitary pars intermedia dysfunction, formerly Equine Cushing Syndrome). As RiceLein is not additionally mineralised, it is suitable as a combination to any basic feed.

- Low in starch and sugar, gluten-free with high energy density
- For horses with muscle problems such as PSSM, MIM and tying up
- For sport horses that are already fed large amounts of cereal-based concentrates
- For gentle refeeding of lean horses
- For grain-sensitive horses and horses with digestive problems (stomach problems!)
- Suitable for feeding horses with PPID (Equine Cushing Syndrome)



Complementary feed
for horses

Paper bag 25 kg



Energy supplier for special requirements

There are situations in which horses are dependent on a low-starch and low-sugar feed. These include not only grain intolerances, a tendency to hyperacidity and stomach problems, but also metabolic and muscle problems that can be triggered or exacerbated by the intake of rations that are too rich in starch. These include polysaccharide storage myopathy (PSSM) and the different variants of the muscle integrity myopathy (MIM, also known as "PSSM2"). PSSM and MIM are disorders of muscle metabolism caused by genetic defects. Horses show a clinical appearance similar to tying up. The symptoms range from repeated irregularities in gait (without orthopaedic problems) to muscle tremors, reluctance to move, muscle stiffness, sweating and even immobility. Horses affected by PSSM or MIM are absolutely dependent on appropriate feeding and husbandry management, as otherwise they can only be ridden to a limited extent or not at all. The change in feeding is of particular importance, as a low starch and low sugar diet is recommended. The combination of fermentable fibres, oilseeds and cereal germs offers the optimal supplement to the hay ration.

Low-starch and low-sugar feeding is also recommended for horses with gastrointestinal problems in order to protect the gastrointestinal tract.

For feeding all hard-Keepers

Healthy horses that are dependent on an additional energy source during intensive training phases are built up with **RiceLein** in a way that is gentle on the metabolism. This is especially true for sport horses with high performance requirements; here the training level determines the additional energy requirement.

Hard-keeping leisure and lean horses can be gently built up again if **RiceLein** supplements the previous ration. Due to its easily digestible components, it is particularly useful for lean older horses that are dependent on an additional low-starch energy source due to metabolic disorders such as PPID.



Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass, **approx. 200-300 g per 100 kg body weight and day** are recommended. For mineralisation to cover requirements, we recommend **SemperMin®**.

1 litre corresponds to approx. 670 g

Composition

Rice bran, grass chaff warm air dried, maize germs, oil cake mixture (linseed, sunflower seeds), beet fibre, soy flakes hydrothermally processed*

* Soy from regional contract farming (GMO-free) exclusive for St. Hippolyt

Ingredients

Crude protein	18 %
Crude fat	14 %
Crude fibre	14.5 %
Crude ash	7 %
Digestible crude protein	137 g/kg
Digestible energy	13 MJ/kg
Metabolisable energy	11 MJ/kg
Starch & Sugar.....	< 10 %
Calcium.....	0.5 %
Phosphorus.....	0.8 %
Sodium	0.06 %

VOLLWERT-PELLETS

More than just "a pellet" – the proven all-rounder

The classic "stable feed" offered in most stables is roughage, oats and pellets. How lucky, when all the important vital substances are already supplied here, which are important for healthy horse nutrition. Our Vollwertpellets are particularly suitable for larger herds and serve as a versatile and efficient "stable pellet".

- Cold pressed and binder-free
- Oat-free
- With herbs, oils and oleaginous fruits



Complementary feed
for horses

Paper bag 25 kg

Feeding is so easy

The **Vollwertpellets** are designed as a supplement to the basic feed. They can also be fed in combination with oats or muesli. Due to the exceptionally good tolerance and variety of nutrients and vital substances, the Vollwertpellets are ideally suited for horses of all breeds and areas of use. The Vollwertpellets are oat-free and are therefore also suitable for feeding temperamental horses.

Rich and cold pressed

Our production is based on the principles of wholefood nutrition. This includes the particularly nutrient-preserving pressing process of the **Vollwertpellets** under 40° C. In addition, we consistently avoid the use of binding agents. A variety of individual components provide the horse with a wide range of nutrients, which can be used to compensate for nutrient deficiencies in the basic feed.

Economical feeding

Many years of use in large riding facilities have shown that the horses experience better feed conversion. The resulting smaller amount of crib feed is easy on the digestive system. The horses are vital and ready to perform, and at the same time relaxed and rideable. In addition, the change of coat and stressful situations are easier to cope with.





Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of approx. 500-800 g per 100 kg body weight and day, no additional mineral feed is necessary. The total amount should be spread over several rations. In case of lower dosage or supply deficits, we recommend the addition of **SemperMin®** or **MicroVital®**.

1 litre corresponds to approx. 750 g Vollwertpellets

Composition

Barley flakes (lactofermented), wheat bran, oat bran, alfalfa chaff, oil seeds gently cracked (linseed, sunflower seeds, black cumin seeds) 7.8 %, maize germs, fruit fibre (apple/grape), beet fibre, barley germs, calcium carbonate (marine and mineral), grass chaff warm air dried, herbs (peppermint, thyme, rosemary, fenugreek seeds, camomile) 1.1 %, salt, rice germs, maize flakes (lactofermented), brewer's yeast, vinegar, magnesium oxide/phosphate, certified plant feed charcoal

Ingredients

Crude protein	11.3 %
Crude fat	3.75 %
Crude fibre	12.6 %
Crude ash	9 %
Digestible crude protein	76.4 g/kg
Digestible energy.....	10 MJ/kg
Metabolisable energy	8.8 MJ/kg
Starch	19.5 %
Sugar	4 %
Calcium.....	1.3 %
Phosphorus.....	0.55 %
Magnesium.....	0.3 %
Sodium	0.5 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	13 000 IU
Vitamin D3 ²	1 650 IU
Vitamin E ³	66 mg
Vitamin B1 ⁵	8 mg
Vitamin B2 ⁶	8 mg
Vitamin B6 ⁷	4 mg
Vitamin B12 ⁸	33 mcg
Biotin ⁹	365 mcg
Calcium-D-pantothenate ¹⁰	16 mg
Choline chloride ¹¹	163 mg
Niacin ¹²	33 mg
Folic acid ¹³	4.1 mg
Iron ^{16 a, b}	10 mg
Zinc ^{17 a, b}	143 mg
Manganese ^{18 a, b}	39 mg
Copper ^{19 a, b}	33 mg
Cobalt ²⁰	1 mg
Selenium ^{21 a}	0.3 mg
Iodine ²²	0.45 mg

Technological additives

Diatomaceous earth ²⁶	6 500 mg
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* Read the exact connections on page 138.

C'REAL BASICS®

Tasty cereals with glyx factor

Highly processed barley, maize and black oat flakes as a basis for balanced, vital and healthy horses. The C'Real Basics® products consist of naturally pure and ecologically gently cultivated cereals, which are washed, germinated and hydrothermally processed to improve the metabolism of the starch.

- Highly processed cereal flakes
- Cereals from regional cultivation
- Reduced glycemic index thanks to carrot fermentate



Complementary feed
for horses

Paper bag 15 kg



Cereal refinement through fermentet carrots

Das Getreide wird nach der Waschung in einem After washing, the grain is germinated in a carrot fermentate. Similar to the sourdough principle, this modulates the cereal starch. The starch, which is broken down into glucose in the small intestine, is thus released more slowly. The result is a moderate rise in blood sugar combined with a lower insulin response, so that the product has a low glycaemic index (Glyx). The modulated starch also contributes to the formation of short-chain fatty acids in the large intestine, which in turn provide insulin-independent energy. The topping of carrot fermentate additionally improves the texture of the cereal flakes and increases the palatability of the **C'Real Basics®** products. The result is a tasty cereal flake with a glyx factor!

Our recommendation

For more information about the fermentation of carrots, see page 6 "Biointelligent Nutrition".

C'Real Basics® Balance

Complementary feed for horses

Low oat, hydrothermally processed, pure cereal mixture for horses with less strong nerves.

C'Real Basics® Dynamic

Complementary feed for horses

Hydrothermally processed, pure grain mixture for horses. A special feature is the black oats from regional cultivation in the Kraichgau, one of Germany's granaries, which have been tried and tested for years in the feeding of sport and breeding horses.

C'Real Basics® Black oat flakes

Straight feed for horses

The regionally grown black oats come from the Kraichgau, whose fertile soils are one of the granaries of Germany. The black oats are peeled, flaked and refined into tasty flakes.

C'Real Basics® Maize flakes

Straight feed for horses

100 % maize flakes with low crude protein content and a high energy density. Only hydrothermal processing of the maize grain enables the horse to digest the flakes enzymatically.

Feeding recommendation

Balance, Dynamic, Black oat flakes, Maize flakes

As supplementary feed to the usual basic feed supply with roughage and/or pasture grass as well as mineral feed and/or crib feed, we recommend **approx. 50-500 g per 100 kg body weight and day**. The total amount should be spread over several rations.

Balance: 1 litre corresponds to approx. 280 g

Dynamic: 1 litre corresponds to approx. 270 g

Black oat flakes: 1 litre corresponds to approx. 340 g

Maize flakes: 1 litre corresponds to approx. 300 g

Composition

Balance: Barley flakes 60 %, maize flakes 30 %, black oats 10 %, fermented carrot

Dynamic: Black oats 60 %, barley flakes 30 %, maize flakes 10 %, fermented carrot

Black oat flakes: Black oat flakes 100 %

Maize flakes: Maize flakes 100 %

Ingredients

	Balance	Dynamic	Black oat flakes	Maize flakes
Crude protein	10.5 %	10 %	11 %	8 %
Crude fat	3 %	3.6 %	4.8 %	3 %
Crude fibre	4.5 %	8 %	10 %	2 %
Crude ash	2 %	3 %	5 %	1 %
Digestible				
crude protein	69 g/kg	64.5 g/kg	73.7g/kg	46.2 g/kg
Starch	53 %	45 %	40 %	62 %
Sugar	1.8 %	1.6 %	1.8 %	1.4 %
Calcium	0.06 %	0.1 %	0.05 %	0.03 %
Phosphorus	0.3 %	0.3 %	0.4 %	0.25 %
Sodium	0.2 %	0.2 %	0.01 %	0.05 %

HIGH PERFORMANCE

Nucleotides – functional nutrients in horse nutrition

What are nucleotides?

Nucleotides are the natural building blocks of genetic material (DNA) and its carrier molecules (RNA). DNA, which is found in the nucleus of every cell in the body, determines which external characteristics are expressed and also which performance capacity the organism can develop. This hereditary potential is realized through cell metabolism. The reading of the DNA for the instructions to the metabolism is the task of the RNA molecules.

No cell division without nucleotides

In order for cells and tissues to renew and grow regularly, sufficient nucleotides must be available as building blocks for DNA and RNA. The organism has various systems available for this purpose. Some of the required nucleotides are newly synthesized in the body, some are obtained from the DNA of worn-out body cells and, last but not least, some are taken up from the cells of forage plants. These processes are limited and cannot be activated or accelerated in case of higher demand. In addition, the nucleotides from forage plants usually have low biological availability and can only be utilized by the horse in small proportions.

When should nucleotides be fed?

If an organism is young and healthy, the internal and external nucleotide sources are usually sufficient. However, with high physical demands, stress, health problems, maternity or increasing age, nucleotides can be a limiting factor in cell division or regeneration. If highly bioavailable nucleotides are offered in the feed, the cell division processes can be specifically activated and accelerated. Thus, a greater regenerative power and a higher performance potential can be expected.

What is special about the PSB® complex?

The PSB® complex represents a particularly highly developed form of nucleotide feeding. After decades of research, it has been possible to precisely match the composition of the nucleotides in the PSB® complex with the respective physiological purpose. Only in this way can they be used in the performance range and for regenerative effects with the best possible success.

The supplementary feeding of PSB® nucleotides achieved:

- A better oxygen utilization in the desired aerobic range
- More muscle work in the aerobic zone
- A more efficient pumping action of the heart
- A significantly reduced lactate formation in the muscles
- A lower release of stress hormones
- A lower liver load
- An improved immune status





"As varied as the requirements in driving are, so is the feeding. Depending on the discipline in driving, the performance spectrum of the horses ranges from concentrated and calm to enduring, agile and lively. What is needed then is nerve strength, power and endurance. With the St. Hippolyt® products, I have found the right feed concept for all my driving horses and have been on the right track with it for years."

Michael Freund
Individual and team world
champion in four-in-hand driving

HIGH PERFORMER

Performance & regenerative power

The basic building blocks of the genetic information (DNA) of every cell, so-called nucleotides, have a decisive influence on the performance and regenerative power of the body's cells as well as a balanced nervous system. However, there are situations, caused by special stress or regeneration, in which the body's own supply of nucleotides can be insufficient. In these cases, the additional administration of these cell building blocks through food can provide the decisive advantage.



Complementary feed
for horses

Bucket 3 kg & 10 kg



High Performer combines the nutrients and vital substances of the proven **Super Condition** with the special possibilities of nucleotides (PSB® complex) and oligopeptides (protein fragments).

Proteins in pure form

Low-molecular di- and tripeptides such as glutathione are very short fragments of natural protein. In combination with PSB® nucleotides, a better exploitation of the performance and building potential can be achieved. Glutathione protects the cells and improves regeneration through its high antioxidant potential. In addition, oxygen transport is improved by the increased absorption of iron into the red blood cells.

Application of High Performer

Based on a balanced basic and supplementary feeding, **High Performer** can contribute to impressive feeding successes – it offers benefits for all branches of equestrian sport. We recommend the following areas of application:

For sport horses

The added PSB® nucleotides favour the regeneration of the gastrointestinal mucosa, thus promoting digestive stability and feed conversion of high performance horses. Feeding studies with sport horses showed measurable results:

- Better endurance and peak performance (doping-free)
- Greater reserves of strength (e.g. in collection)
- More balance and joy of working
- Less exhaustion and wear and tear of organs
- Supports regeneration

In breeding

- Improvement of fertility
- Supports embryonic development and tissue formation during pregnancy
- Improvement of the physical condition of weak and emaciated mares
- Promotes milk production in case of lactation problems

For regeneration

- Faster recovery during convalescence
- Support of the immune system
- Support of tissue repair in case of wear and tear and injuries

Feeding recommendation

Offer **approx. 15 g per 100 kg body weight** and day with the crib feed. *Note: In case of need, double the amount can be given temporarily. Not suitable for mineralisation to cover requirements.*

1 measuring cup corresponds to approx. 110 g

Composition

Maize germ, whole grain barley flakes (lactofermented), malt-yeast seasoning, short-chain peptides, oil mixture cold pressed (linseed, sunflower, canola oil), oil seeds gently cracked (linseed, sunflower seeds, black cumin seeds), yeast products (rich in RNA and nucleotides), brewer's yeast, magnesium oxide/fumarate, seaweed lime, carrots, garlic, chicory inulin, dextrose

Ingredients

Crude protein.....	20 %	Sugar.....	3 %
Crude fat.....	9 %	Calcium.....	1 %
Crude fibre.....	3.5 %	Phosphorus.....	0.55 %
Crude ash.....	8.5 %	Magnesium.....	2 %
Digestible crude protein.....	156 g/kg	Sodium.....	0.06 %
Digestible energy.....	13.7 MJ/kg	Lysine.....	1 %
Metabolisable energy.....	12.1 MJ/kg	Methionine.....	1.3 %
Starch.....	23 %		

Additives per kg*:

Nutritional additives

Vitamin A ¹	40 000 IE	Choline chloride ¹¹	2 000 mg
Vitamin D3 ²	5 000 IE	Niacin ¹²	100 mg
Vitamin E ³	1 200 mg	Folic acid ¹³	12.5 mg
Vitamin C ⁴	5 000 mg	Iron ^{16 a}	650 mg
Vitamin B1 ⁵	2 500 mg	Zinc ^{17 a, b}	1 800 mg
Vitamin B2 ⁶	4 900 mg	Manganese ^{18 a}	700 mg
Vitamin B6 ⁷	2 400 mg	Copper ^{19 a}	190 mg
Vitamin B12 ⁸	470 mcg	Cobalt ^{20 a}	33 mg
Biotin ⁹	500 mcg	Selenium ^{21 b}	4.6 mg
Calcium-D-pantothenate ¹⁰	50 mg	Iodine ²²	7.2 mg

Technological additives

Clinoptilolite ²⁹	515 mg
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* Read the exact connections on page 138.

INTERNATIONAL SPORTS CHAMPIONS CLAIM®

High-energy sports muesli of a special kind

Muscles are tense, sweat turns into white foam flakes and flared nostrils snort rhythmically in time with the movement – horses in demanding training and energy-sapping competition are true high-performance athletes. To ensure that the genetic potential of the well-trained sports partner can be fully exploited, we recommend our scientifically based feed concept - International Sports Champions Claim®.

- Nutrients for optimized muscle work
- With natural vitamin E
- With seaweed, oils and oil fruits, free from herbs



Complementary feed
for horses

Paper bag 20 kg



Successful feeding

Champions Claim® was developed in cooperation with the renowned Kentucky Equine Research Institute (KER). The formula is based on research results that have proven themselves many times over at the Olympic Games as well as in racing and endurance riding.

Thanks to research to victory

KER conducts research with the aim of improving the health and constitution of horses. Together with **St. Hippolyt®** as German partner, the high-performance feed **Champions Claim®** was developed. It is based on a low-starch but high-fat and high-fibre concept that leads to a lower increase in muscle lactate and carbon dioxide production.

Our recommendation

Energy requirements exceeding this can be met with oats, **C'Real Basics®** products, **Struktur-Energetikum®**, **Hippo Linol®** or **GlyxWiese® Luzerne Mix**, depending on the type of load.

One product – 3 application variants **Champions Claim®**

Is ideally suited for the disciplines of dressage, jumping, eventing, western or driving, which require a mixed, aerobic-anaerobic muscle metabolism. In endurance or racing sports, the combination with oils or cereals can increase the fat or starch intake and thus be adapted to the respective muscle metabolism.

Champions Claim® + oil

In endurance riding, endurance performance with high oxygen consumption is required. To avoid muscle overacidification, feeding in the low-glycemic range with a limited supply of readily available carbohydrates is advantageous. For this purpose, **Champions Claim®** is fed together with high-quality oils, such as **Hippo Linol®**.

Champions Claim® + cereals

For maximum performance on the racetrack, **Champions Claim®** is combined with cereals, such as **C'Real Basics® Dynamic**. Highly soluble, readily available carbohydrates provide the energy for anaerobic muscle metabolism.

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of approx. **500-700 g per 100 kg body weight and day**, no additional mineral feed is necessary. The total amount should be spread over several rations. In case of lower dosage or supply deficits, we recommend the addition of **SemperMin®** or **MicroVital®**.

1 litre corresponds to approx. 550 g

Composition

Barley flakes (lactofermented), beet fibre, maize flakes (lactofermented), wholegrain black oat flakes 9 %, beet syrup, soy flakes hydrothermally processed*, alfalfa chaff, oilseeds gently cracked and oil cake mixture (linseed, sunflower seeds) 4.5 %, rice bran, oil mixture cold pressed (linseed, sunflower, maize germ oil) 3 %, fruit fibres (apple/grape), wheat bran, maize germs, PalaSyrup (Isomaltulose mol.), brewer's yeast, magnesium phosphate, grass chaff warm air dried, salt, seaweed lime, vinegar, certified plant feed charcoal

* Soy from regional contract farming (GMO-free) exclusive for St. Hippolyt

Ingredients

Crude protein.....	11 %	Starch	23.6 %
Crude fat	7 %	Sugar	8.2 %
Crude fibre	8 %	Calcium.....	1.2 %
Crude ash	7 %	Phosphorus.....	0.5 %
Digestible crude protein	74 g/kg	Magnesium.....	0.25 %
Digestible energy	11.9 MJ/kg	Sodium	0.35 %
Metabolisable energy	10.8 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	11 000 IU	Niacin ¹²	60 mg
Vitamin D3 ²	1 100 IU	Folic acid ¹³	4 mg
Vitamin E ³	320 mg	Iron ^{16 a, b}	200 mg
Vitamin B1 ⁵	10 mg	Zinc ^{17 a, b}	120 mg
Vitamin B2 ⁶	13 mg	Manganese ^{18 a, b}	100 mg
Vitamin B6 ⁷	6 mg	Copper ^{19 a, b}	40 mg
Vitamin B12 ⁸	35 mcg	Cobalt ²⁰	0.1 mg
Biotin ⁹	400 mcg	Selenium ^{21 a, b}	0.5 mg
Calcium-D-pantothenate ¹⁰	20 mg	Iodine ²²	0.7 mg
Cholinchlorid ¹¹	800 mg		

Technological additives

Diatomaceous earth ²⁶..... 6 000 mg

* Read the exact connections on page 138.

QELAN®

The energy booster for that extra kick

Long transports to the tournament, energy-sapping temperatures and nerve-racking examinations – there are situations in which even with optimal preparation the four-legged athlete lacks the last bit of energy. The liquid performance booster Qelan® offers:

- Energy boost from the mitochondria
- Maintenance and restoration of performance (doping-free)
- Special bioavailability due to lecithin micelles and liposomal encapsulation



Complementary feed
for horses

Squeeze bottle 500 ml



Mitochondria as energy power plants

The functioning of the muscles and all organs depends on the energy supply from millions of mitochondria. These miniature power stations of the cells break down the energy-rich nutrients from the crib feed with the help of oxygen. Only then is sufficient fuel (ATP) built up for muscle activity and metabolism. Optimised mitochondrial function is therefore a prerequisite for optimal utilisation of the high-performance feed. Functional vital substances for the mitochondria such as B vitamins and L-carnitine can give tired horses new energy.

Best availability through lecithin micelles

Mitochondria constantly process large amounts of oxygen compounds for energy production. They are particularly exposed to the attacks of oxygen radicals. If there is a lack of antioxidants, which serve to neutralise radical substances, a large part of the mitochondria gradually perish. Qelan® therefore contains antioxidants such as natural vitamin E, vitamin C and selenium high concentrations. For optimised availability, they are present in the form of highly absorbable lecithin micelles, resulting in the scientifically proven "turbo effect".

Cells protectet all round

Intensive metabolic processes in sports and breeding inevitably produce increased amounts of cell-damaging oxygen radicals. Without the defence provided by antioxidant protection systems, there is a risk of premature tissue deterioration. The antioxidants in Qelan® benefit cell vitality. Qelan® can thus make an important contribution to the prevention of loss of performance, nervousness, infertility, tissue degradation and premature signs of ageing, even in mature sport and breeding horses.



Feeding recommendation

For large horses we recommend **30 ml per day** (corresponds to approx. 2 tablespoons). For high performance up to **max. 50 ml per day**. Directly on the day of the performance requirement (ideally 30 minutes before the start) add the required amount to the feed or to the drinking water. It is possible to give several doses per day.

Shake well before use.

Composition

Malt-yeast-seasoning, fructose concentrate, vinegar, salt, peppermint

Ingredients

Crude protein.....	4 %
Crude fat	3.5 %
Crude fibre	1.2 %
Crude ash	2 %
Digestible crude protein	9.5 g/kg
Digestible energy	13 MJ/kg
Metabolisable energy	12.7 MJ/kg
Starch	19 %
Sugar	35 %
Calcium.....	0.2 %
Phosphorus.....	0.15 %
Sodium	0.6 %

Additives per kg*:

Nutritional additives

Vitamin E ³	40 000 mg
Vitamin C ⁴	760 mg
Vitamin B1 ^{5b}	15 mg
Vitamin B2 ⁶	15 mg
Vitamin B6 ⁷	8 mg
Vitamin B12 ⁸	60 mcg
Biotin ⁹	300 mcg
Calcium-D-pantothenate ¹⁰	30 mg
Niacinamide ^{12b}	2 000 mg
Folic acid ¹³	7.6 mg
L-carnitine ²³	20 000 mg

Technological additives

Lecithins ²⁷	25 000 mg
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* Read the exact connections on page 138.

SUPER CONDITION

Concentrated natural substances for sports

To support training and muscle building, we recommend our special nutrient combination - Super Condition. A powerful and well supplied with blood musculature forms the basis for successful sport. Super Condition provides the important building blocks for this.

- For increased performance on training days and during the show season (doping-free!)
- Rich in muscle-relevant minerals and antioxidant vitamins
- Optimised with high quality protein



Complementary feed
for horses

Bucket 5 kg & 10 kg
Paper bag 20 kg





Increase motivation

With an optimised muscle metabolism, muscle building can be effectively realised during the training phase. Performance increases are achieved more quickly and physical wear and tear is reduced. A healthy muscle metabolism quickly breaks down lactic acid, shortens the regeneration phase and thus ensures greater readiness to perform in the next training session. In addition, an increase in stamina and performance is noticeable.

Nourish muscles

Super Condition focuses on the specific addition of muscle-relevant nutrients. These are usually not sufficiently available in the daily basic feed. Horses that are subjected to heavy muscular stress or have a genetically particularly pronounced musculature require a higher level of nutrients that build up but at the same time protect the muscles. A lack of nutrients can result in tension, hardening or even muscle tears and in the long term also damage the musculoskeletal system in the area of tendons, ligaments and joints. **Super Condition** provides these relevant nutrients in the short and long term.

Feed that you can feel

High-quality ingredients as well as a target-oriented mineralisation and vitaminisation allow **Super Condition** to be fed as a concentrate with only a few hundred grams per day. Its effectiveness is shown in stressed sport horses and in the context of feeding stallions during licensing and in mating. In the leisure sector, **Super Condition** gives the rider the pleasure of a loose, hard-working horse with special rideability.

Feeding recommendation

Offer approx. 50-100 g per 100 kg body weight and day mixed with the crib feed. Note: Not suitable for mineralisation to cover requirements.

1 litre corresponds to approx. 800 g | 1 measuring cup corresponds to approx. 130 g

Composition

Maize germs 28 %, wholegrain barley flakes (lactofermented), malt, oil cake mixture (linseed, sunflower seeds) 4.5 %, PalaSyrup (Isomaltulose mol.), oil mixture cold pressed (linseed, sunflower oil) 2.7 %, fruit fibres (apple/grape), salt, herbs (hawthorn, rosemary, fennel-anise) 2 %, magnesium fumarate/lysinate, rice bran, seaweed lime, wheat bran, brewer's yeast, turmeric, seaweed meal, vinegar, dicalcium phosphate

Ingredients

Crude protein.....	12 %	Sugar.....	5 %
Crude fat.....	12 %	Calcium.....	0.8 %
Crude fibre.....	7 %	Phosphorus.....	0.6 %
Crude ash.....	8 %	Magnesium.....	0.4 %
Digestible crude protein.....	83 g/kg	Sodium.....	1.1 %
Digestible energy.....	13 MJ/kg	Lysine.....	1.4 %
Metabolisable energy.....	12 MJ/kg	Methionine.....	0.8 %
Starch.....	25 %	Methionine + Cysteine.....	1 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	23 000 IU	Choline chloride ¹¹	520 mg
Vitamin D3 ²	2 600 IU	Niacin ¹²	52 mg
Vitamin E ³	1 900 mg	Folic acid ¹³	6.5 mg
Vitamin C ⁴	4 500 mg	Iron ^{16 a, b}	180 mg
Vitamin B1 ^{5 b}	13 mg	Zinc ^{17 a, b}	280 mg
Vitamin B2 ⁶	13 mg	Manganese ^{18 a, b}	470 mg
Vitamin B6 ⁷	6.5 mg	Copper ^{19 a}	20 mg
Vitamin B12 ⁸	52 mcg	Cobalt ²⁰	3 mg
Biotin ⁹	260 mcg	Selenium ^{21 a, b}	0.8 mg
Calcium-D-pantothenate ¹⁰	26 mg	Iodine ²²	0.7 mg

* Read the exact connections on page 138.

GOLD MEDAL®

Muscles properly supplied

Well-developed muscles represent the power, speed and beauty of a horse. In equestrian sports, they are a prerequisite for performance, and for leisure horses they provide a pleasant riding experience. With a targeted supply of nutrients, the muscle function can be effectively supported and a well-developed and powerful musculature can be built up on the basis of the individual hereditary disposition. Targeted, well-dosed training is effectively supported by the administration of special substance-forming and functional nutrients.

- To support muscle development and promote muscle performance
- Tried and tested for sport and leisure horses
- Can also be used during the competition season (doping-free)

Proteins, amino and fatty acids

High-quality proteins are needed above all for the formation of muscle substance. The protein of usual forage and crops such as hay and grain is not sufficient for this. With specially prepared brewer's yeast, spirulina algae, a fermentatively obtained malt extract, seaweed and added lysine, **Gold Medal®** contains excellent muscle substance builders with high bioavailability. Fatty substances from cereal germs and oil seeds also contribute to the natural structure. The suppleness of the muscles also benefits from essential fatty acids from cold pressed linseed oil.

Nutrients for the building metabolism

Specific enzymes build up the muscle fibrils, cross-link them and link them to stabilising connective tissue fibres. The enzymes' ability to work depends largely on functional nutrients. Vitamins of the B-complex and trace elements such as zinc, manganese, copper and silicon are contained in **Gold Medal®** in balanced proportions and predominantly as organically bound complexes.

Muscle building needs muscle protection

During training and sport the metabolism is running at full speed. Inevitably, oxygen radicals are formed that attack the muscle tissue and can partially break it down again. Protection of the tissues is ensured by neutralising these radical substances with the help of the body's own special enzyme systems. Trace elements such as zinc, copper, manganese and selenium are necessary for this. Besides these, **Gold Medal®** provides additional tissue protection substances via algae, herbs, brewer's yeast, carrots and natural vitamin E. **Gold Medal®** is an effective combination of physiologically cooperating building, functional and protective nutrients for the formation of a fully developed and efficient musculature.



Complementary feed
for horses

Bucket 10 kg
Refill bag 5 kg



Pure
muscle power



Feeding recommendation

Offer approx. 40 g per 100 kg body weight and day with the crib feed. For the subsequent feeding, approx. 20 g per 100 kg body weight and day is sufficient. Note: Not suitable for mineralisation to cover requirements.

1 measuring cup corresponds to approx. 115 g

Composition

Rice bran, soy flakes hydrothermally processed*, spirulina algae 5 %, malt-yeast-seasoning, herbs (milk thistle seeds, fennel) 2.5 %, brewer's yeast 2.5 %, maize germs, oil seeds gently cracked and oil cake mixture (linseeds, sunflower seeds), beet fibres, carrots, ginger, seaweed lime, wheat bran, magnesium fumarate/sulphate, cinnamon, PalaSyrup (Isomaltulose mol.), oil mixture cold pressed (linseed, sunflower oil) 0.1 %, salt, garlic, pea flake meal, fruit fibres (apple/grape), yeast products (rich in RNA and nucleotides)

* Soy from regional contract farming (GMO-free) exclusively for St. Hippolyt

Ingredients

Crude protein	24 %
Crude fat	20 %
Crude fibre	8.4 %
Crude ash	9 %
Digestible crude protein	193 g/kg
Digestible energy	17 MJ/kg
Metabolisable energy	15 MJ/kg
Starch	10 %

Sugar	2 %
Calcium	0.6 %
Phosphorus	1.5 %
Magnesium	0.1 %
Sodium	0.1 %
Lysine	1.6 %
Methionine	1.1 %
Methionine + Cysteine	1.2 %

Additives per kg*:

Nutritional additives

Vitamin E ³	1 900 mg
Vitamin B1 ^{5 b}	55 mg
Vitamin B2 ⁶	67 mg
Vitamin B6 ⁷	35 mg
Vitamin B12 ⁸	163 mcg
Biotin ⁹	1 000 mcg
Calcium-D-pantothenate ¹⁰	80 mg
Cholin chloride ¹¹	500 mg

Niacin ^{12 a}	160 mg
Folic acid ¹³	20 mg
Zinc ^{17 a, b}	300 mg
Iron ^{16 a, b}	92 mg
Manganese ^{18 a, b}	285 mg
Copper ^{19 a, b}	40 mg
Cobalt ¹⁹	2 mg
Selenium ^{21 a, b}	0.7 mg

* Read the exact connections on page 138.

VITAL MARE HEALTHY FOAL

In order for the foal to develop in the best possible way, we look for the optimal conditions in husbandry and feeding. Studies show that in Germany almost every third growing horse suffers from Osteochondrosis dissecans (OCD), a detachment of cartilage particles, also known as "chips" or joint mice. The causes can be found in both an undersupply and an oversupply of specific nutrients.

Other reasons are:

- lack of exercise
- overweight
- too much starchy food
- undersupply of minerals and especially trace elements (copper)

Trace elements as the basis for good foal development

The health of the foal is already decisively influenced in the womb, whereby the correct feeding of the pregnant mare plays a major role. According to numerous research studies, an increased need for trace elements is mainly required in the last third of pregnancy, as this is when trace elements are released into the liver of the fetus. Using copper as an example, it has been shown that good copper reserves later allow the foal to make short-term repairs to the musculoskeletal system. The total amount, as well as the ratios of the trace elements among each other, already determine length growth (zinc) and stability (copper and manganese) of the bones in the fetus. In the case of a deficiency in trace elements, direct effects on the development of the musculoskeletal system can be observed.

Thoroughbred breeding provides insights

St. Hippolyt® has been dedicated to the successful feeding of breeding horses for many years. In close cooperation with the leading German thoroughbred stud farm Etzean, whose offspring have won numerous derbies, **St. Hippolyt**® always develops a nutritionally optimized feed for pregnant mares and their offspring according to the latest scientific findings.





"The natural basis and origin of the trace elements and the continuous development of St. Hippolyt® feeds is in line with our stud philosophy. If one has a problem, one finds an open ear and tries to find causes and solutions together. Basic and supplementary feeds are an important building block of our success."

Ralf Kredel, Stud Management ,
Stud Etzean, Beerfelden

Foals bring
joy and hit us
right in the
heart with their
charm and
childishness. 



Equilac® for peak performance in lactation

According to studies, a mare produces the highest amount of milk in the second month of lactation. The energy requirement for milk production in a warmblood mare is about 140 MJ, which is roughly equivalent to the energy requirement of a high-performance horse. It is hard to imagine that this requirement can be met solely by grazing the mare. A grass-oat diet also cannot meet the quantity and trace element requirements of a lactating mare. Feeding **St. Hippolyt® Equilac®** during this time promotes healthy foal development and additionally provides the mare with all important nutrients and vital substances.

Fohlengold® as the optimal companion

We place a lot of expectations on the foal and therefore have to meet its special nutritional requirements. Already in the 1st month of life the foal can take up crib feed. Supplementary feeding not only supports the locomotor system, but also has a positive influence on the sensitive digestive tract and the immune system. **Fohlengold®** offers more than oats: in addition to a better skin and hair structure, the immune system and thus the prevention of eczema is also supported.

BETA-CAROTIN MARE-Y-MIX

In preparation for the breeding season

- To improve the fertility of the broodmare
- Improves the breeding performance of the stallion
- To compensate for a β -carotene deficiency before the start of the grazing season

A deficiency of β -carotene, which often occurs in the winter months, can lead to fertility problems in broodmares and stallions. Delayed ovulation, poor mating behaviour, poor sperm quality and a low fertilisation rate can be the consequences. Likewise, the need for β -carotene is increased during embryo development. Beta-Carotin Mare-Y-Mix has proven itself especially in the winter feeding of breeding horses.



Complementary feed
for horses

Bucket 5 kg & 10 kg
Paper bag 25 kg



"Ability to perform, precocity, health, toughness and the willingness to call on these factors at the crucial moments are the most important criteria we want to see in our racehorses. At the stud, there is not much time to lay the foundation for this. Thus, in addition to the genetic prerequisites, rearing as close to nature as possible, and here especially feeding, play a decisive role in whether our horses grow up to be athletes. "Feeding like nature[®]" is not a slogan, but a philosophy that our horses "live" here at Itlingen Castle Estate.

The competent team of St. Hippolyt[®] Mühle Ebert GmbH has understood in the more than 25 years of our cooperation not only to perfectly develop individual solutions for the respective needs of the horses, but to always be one step ahead."

Count and Countess von Stauffenberg,
Stauffenberg Bloodstock, Itlingen Castle Estate



Feeding recommendation

Offer approx. 20 g per 100 kg body weight and day with the crib feed. We recommend daily supplementary feeding for broodmares and stallions, especially in the period from December to April. *Note: Not suitable for mineralisation to cover requirements.*

1 measuring cup corresponds to approx. 120 g

Composition

Maize germs, garlic, carrots, barley flakes (lactofermented), brewer's yeast, oil mixture cold pressed (linseed, sunflower oil) 3 %, seaweed lime

Ingredients

Crude protein	12 %
Crude fat	15 %
Crude fibre	7 %
Crude ash	6 %
Digestible crude protein	83 g/kg
Digestible energy	16.4 MJ/kg
Metabolisable energy	15.3 MJ/kg
Starch	11 %
Sugar	12 %
Calcium	0.6 %
Phosphorus	0.4 %
Sodium	0.07 %

Additives per kg*:

Nutritional additives

Vitamin E ³	2 000 mg
Beta-Carotene ¹⁴	3 500 mg

* Read the exact connections on page 138.

EQUILAC®

Broodmare feed optimised for requirements

When mare and foal are well after birth and the foal finds its way to the milk source on wobbly legs, the relief and joy of the breeder is great. By feeding the mare correctly during pregnancy and lactation, we can create the decisive basis for the little hopeful to become a healthy sports and leisure companion.

- Balanced protein-energy ratio and rich in essential amino acids
- With herbs, seaweed, oils and oleaginous fruits
- Optimal ratio of trace elements



Complementary feed
for horses

- CLASSIC:
Paper bag 25 kg
- MÜSLI:
Paper bag 20 kg

Feed fertility

Three months before the planned mating date, the ration should have a high vital substance content but moderate energy value. Additional administration of **St. Hippolyt® Beta-Carotin Mare-Y-Mix**, trace elements (**MicroVital®**) and nucleotides (**High Performer**) improve the conception ability. After successful conception, continue to feed micronutrient-rich but energy-adapted feed. At the beginning of the last third of pregnancy, the feed should be switched to **Equilac®** broodmare feed.

Nutrients for two

The proven **St. Hippolyt® Equilac®** broodmare feed has been developed on the basis of many years of experience in thoroughbred breeding. It is suitable for all breeds of horses. **Equilac®** contains particularly high-quality proteins. In addition to an optimal protein-energy ratio, all vitamins and minerals, including the essential trace elements, which the growing foal needs for a healthy development, are combined in a ratio adapted to its needs. Brewer's yeast, germs, numerous maritime components and other vital substance suppliers round off the recipe.

*The best
for mare &
foal*

Feeding recommendation

As supplementary feeding to the daily basic feed supply with roughage and/or pasture grass, we recommend to slowly replace the previous crib feed quantity with **Equilac®** from the **8th month of pregnancy**.

9-11 months of pregnancy: approx. 400-500 g per 100 kg body weight and day. The total amount should be spread over several rations. For hard- or easy-keepers, adjust the ration upwards or downwards by approx. 10-15 %. Oats can be fed additionally if necessary. For special breeds, ponies and good feed converters it is recommended to feed **Equilac®** as a single ration feed.

1.-3. lactation month: increase **Equilac®** up to **600 g per 100 kg body weight and day**, as the highest milk yield is to be expected around the 2nd lactation month.

From the 5th month of lactation: Gradually reduce **Equilac®**. Stop feeding the broodmare feed when the foal is weaned.

1 litre corresponds to approx. 750 g Equilac® Classic

1 litre corresponds to approx. 600 g Equilac® Müsli

Composition CLASSIC

Barley flakes (lactofermented), maize germs, alfalfa chaff, oat bran, oil cake mixture (linseed, sunflower seeds, black cumin seeds) 6 %, wheat bran, beet fibre, soy flakes hydrothermally processed*, fruit fibre (apple/grape), sainfoin, grass chaff warm air dried, calcium carbonate (marine and mineral), herbs (peppermint, thyme, rosemary, nettle, camomile) 2.4 %, salt, pea flake meal, oil mixture cold pressed (linseed, sunflower, maize germ oil) 0.7 %, carrots, brewer's yeast, magnesium oxide/phosphate, vinegar

Composition MÜSLI

Barley flakes (lactofermented), maize flakes (lactofermented), beet syrup, fruit fibres (apple/grape), alfalfa chaff, oil seeds gently cracked and oil cake mixture (linseed, sunflower seeds, black cumin seeds, fennel seeds) 4 %, maize germs, oat bran, wholegrain oat flakes (lactofermented), soy flakes hydrothermally processed*, grass chaff warm air dried, barley germs, herbs (peppermint, thyme, rosemary, nettle, camomile, coriander) 2.3 %, wheat bran, oil mixture cold pressed (linseed, sunflower, maize germ oil) 2 %, beet fibre, calcium carbonate (marine and mineral), brewer's yeast, sainfoin, rice bran, salt, magnesium phosphate/oxide, pea flake meal, carrots, vinegar, malt-yeast-seasoning

* Soy from regional contract farming (GMO-free) exclusive for St. Hippolyt

Ingredients

	Classic.....	Müsli
Crude protein.....	12 %.....	10.5 %
Crude fat.....	6 %.....	5.5 %
Crude fibre.....	13 %.....	8.4 %
Crude ash.....	9.6 %.....	9 %
Digestible crude protein.....	82.8 g/kg.....	69 g/kg
Digestible energy.....	10.3 MJ/kg.....	11 MJ/kg
Metabolisable energy.....	9 MJ/kg.....	10 MJ/kg
Starch.....	21.9 %.....	2.6 %
Sugar.....	3.8 %.....	7.2 %
Calcium.....	1.6 %.....	1.2 %
Phosphorus.....	0.5 %.....	0.4 %
Magnesium.....	0.35 %.....	0.4 %
Sodium.....	0.48 %.....	0.45 %
Lysine.....	0.6 %.....	0.6 %
Methionine.....	0.3 %.....	0.3 %

Additives per kg*:

Nutritional additives

	Classic.....	Müsli
Vitamin A ¹	22 000 IU.....	20 000 IU
Vitamin D3 ²	2 500 IU.....	2 200 IU
Vitamin E ³	320 mg.....	350 mg
Vitamin B1 ⁵	13 mg.....	13 mg
Vitamin B2 ⁶	13 mg.....	13 mg
Vitamin B6 ⁷	7 mg.....	8 mg
Vitamin B12 ⁸	50 mcg.....	45 mcg
Biotin ⁹	270 mcg.....	300 mcg
Calcium-D-pantothenate ¹⁰	26 mg.....	26 mg
Cholin chloride ¹¹	230 mg.....	500 mg
Niacinamid ^{12 b}	50 mg.....	
Folic acid ¹³	7 mg.....	6 mg
Iron ^{16 a, b}	150 mg.....	180 mg
Zinc ^{17 a, b}	200 mg.....	200 mg
Manganese ^{18 a, b}	130 mg.....	170 mg
Copper ^{19 a, b}	50 mg.....	45 mg
Cobalt ²⁰	5 mg.....	3 mg
Selenium ^{21 a}	0.6 mg.....	0.6 mg
Iodine ²²	2 mg.....	1.8 mg

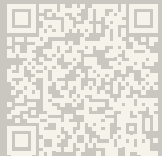
* Read the exact connections on page 138.

FOHLENGOLD®

Foal feed for special demands

The first steps on seemingly overlong legs are awkward and accompanied by the mother mare. Soon the first swinging kicks and exuberant canter jumps develop. Many a foal practices to develop its talents at a very early age. **Fohlen-gold®** was developed for healthy growth and supports the optimal development of genetic potential.

- Digestion-stabilising and low in starch
- Vital substance combination adapted to requirements
- With herbs, seaweed, oils and oil fruits



FohleNGold® study

For more information, see the **FohleNGold®** study (www.st-hippolyt.com).

Complementary feed
for horses

CLASSIC:
Paper bag 25 kg
MÜSLI:
Paper bag 20 kg



Quality instead of quantity

Fohlengold® is based on a special concept to enable regular digestion and balanced growth, especially in the first months of life. Rich in minerals, including the essential trace elements for good bone and cartilage development, **Fohlengold®** promotes harmonious foal development.

Fohlengold® contains vegetable proteins of high biological value and essential amino acids for healthy development. The starch content of **Fohlengold®** is low in favour of valuable oleaginous fruits, fibres, vitalising and digestive supporting nutrients. **Fohlengold®** provides high-quality nutrients from maize germs, brewer's yeast, herbs and many other components rich in vital substances. The minerals are mainly of organic and marine origin from seaweed. The ratios of trace elements are optimally balanced and enable healthy growth. Yeast, malt, linseed and certain herbs support the enzymatic digestion that develops in the first weeks of life and build up a resistant intestinal microbiome.

Strengthened through life

Fohlengold® - strengthened foals are optimally prepared for the stressful weaning process. In addition, **Fohlengold®** helps to prevent premature signs of wear and tear in adulthood. The foal's specific nutritional requirements are fully covered and form the basis for harmonious and healthy development.

*Spot on
from the start*

Feeding recommendation

As a supplement to the basic supply of mare's milk, roughage and/or pasture grass, we recommend per day for foals with a final weight of approx. 600 kg (spread over several rations): from the 3rd week of life until the 3rd month:

Fohlengold® for free intake (max. 600 g/day).

from the 4th month: approx. 600 g

from the 5th month: approx. 1 kg

from the 6th month: approx. 1.4 kg

from the 7th month: approx. 1.7 kg

from the 12th month: approx. 2 kg

from the 18th month (for late developed horses from the 24th month): **Hesta Mix®**, **Struktur-Energetikum®** or **Struktur-E® Getreidefrei**.

Hard-keepers: additionally linseed oil and/or **GlyxWiese® Heucobs/Wiesentaler**.

Easy-keepers: 50 % **Fohlengold®** and 50 % **Equigard®** supplemented with **Gemüse-Kräuter-Mineralien**.

Classic: 1 litre corresponds to approx. 800 g

Müsli: 1 litre corresponds to approx. 700 g

Composition CLASSIC

Barley flakes (lactofermented), maize germs, alfalfa chaff, wheat bran, calcium carbonate (marine and mineral), beet fibre, malt, soy flakes hydrothermally processed*, oil cake mixture (linseed, sunflower seeds, black cumin seeds) 3.2 %, Herbs (peppermint, thyme, rosemary, camomile, nettle) 3 %, PalaSyrup (Isomaltulose mol.), brewer's yeast, salt, magnesium phosphate/oxide/sulphate, rice germs, oil mixture cold pressed (linseed, sunflower oil) 0.3 %, fruit fibres (apple), vinegar, certified plant feed charcoal

Composition MÜSLI

Barley flakes (lactofermented), maize germs 18 %, maize flakes (lactofermented), beet syrup, beet fibre, brewer's yeast 5 %, calcium carbonate (marine and mineral), alfalfa chaff, PalaSyrup (Isomaltulose mol.), wheat bran, oil mixture cold pressed (linseed, sunflower oil) 2.3 %, oil seeds gently cracked and oil cake mixture (linseed, sunflower seeds, fennel seeds, black cumin seed) 2.2 %, fruit fibres (apple/grape), malt, herbs (peppermint, rosemary, parsley, thyme, coriander, lovage, marjoram, nettle, camomile) 2 %, grass chaff warm air dried, soy flakes hydrothermally processed*, salt, barley germs, magnesium phosphate/oxide/sulphate, rice germs, garlic, vinegar, certified plant feed charcoal, carrots

* Soy from regional contract farming (GMO-free) exclusive for St. Hippolyt

Ingredients

	Classic.....	Müsli.....
Crude protein.....	14 %.....	13 %
Crude fat.....	8 %.....	7.5 %
Crude fibre.....	8 %.....	7.5 %
Crude ash.....	11 %.....	11 %
Digestible crude protein.....	101 g/kg.....	92 g/kg
Digestible energy.....	11.5 MJ/kg.....	11.4 MJ/kg
Metabolisable energy.....	10.2 MJ/kg.....	10.6 MJ/kg
Starch.....	20 %.....	22 %
Sugar.....	5 %.....	5 %
Calcium.....	2 %.....	1.6 %
Phosphorus.....	0.6 %.....	0.5 %
Magnesium.....	0.5 %.....	0.35 %
Sodium.....	0.55 %.....	0.5 %
Lysine.....	0.6 %.....	0.6 %
Methionine.....	0.4 %.....	0.3 %

Additives per kg*:

Nutritional additives

	Classic.....	Müsli.....
Vitamin A ¹	25 000 IU.....	22 000 IU
Vitamin D3 ²	2 900 IU.....	2 500 IU
Vitamin E ³	600 mg.....	300 mg
Vitamin B1 ⁵	15 mg.....	15 mg
Vitamin B2 ⁶	15 mg.....	15 mg
Vitamin B6 ⁷	8 mg.....	7 mg
Vitamin B12 ⁸	60 mcg.....	55 mcg
Biotin ⁹	300 mcg.....	330 mcg
Calcium-D-pantothenate ¹⁰	30 mg.....	30 mg
Choline chloride ¹¹	200 mg.....	500 mg
Niacin ¹²	60 mg.....	60 mg
Folic acid ¹³	7 mg.....	4 mg
Iron ^{16 a, b}	200 mg.....	200 mg
Zinc ^{17 a, b}	260 mg.....	220 mg
Manganese ^{18 a, b}	150 mg.....	120 mg
Copper ^{19 a, b}	70 mg.....	50 mg
Cobalt ²⁰	3 mg.....	5.5 mg
Selenium ^{21 a}	0.7 mg.....	0.7 mg
Iodine ²²	3 mg.....	2.4 mg

Technological additives

	Classic.....	Müsli.....
Diatomaceous earth ²⁶	9 000 mg.....	12 300 mg

* Read the exact connections on page 138.

FOHLENGOLD® LIFESTART

A natural jump start for a good horse life

The new born foal, pure as it is, has to face the new environment vulnerably without a functional microbiome and immune system. Especially in the first days after birth, nonspecific digestive problems or general weakness frequently occurs. With an innovative nutritional concept, containing functional cell components, natural micronutrients and secondary plant compounds, the young foal can be specifically supported and accompanied. Fohlengold® Lifestart – the “life booster” for coping with the critical first days of the new born foal's life.

- Unique natural jump start **from the 3rd day of life** as a 2-week intensive cure
- For **unspecific digestive complaints and general weakness** of life
- Targeted development of the intestinal mucosa, the microbiome (prebiotic) and the immune system
- With nucleotides, β -glucans, essential amino acids, antioxidants and various spice and herbal extracts

Complementary feed
for horses

Can 100 g



Feeding recommendation

2-week-intensive care: beginning from the 3rd day after birth, dissolve 5 g daily in water and administer by mouth syringe.

1 measuring spoon corresponds to approx. 2.5 g

Composition

Yeast products (rich in RNA, nucleotides and β -glucans), short-chain peptides, rice protein, whey protein, herb and spice composition (galangal root, caraway seeds, fennel seeds), chicory inulin, dextrose, canola oil

Ingredients

Crude protein	40 %
Crude fat	2.5 %
Crude fibre	1 %
Crude ash	2 %
Digestible crude protein	340 g/kg
Digestible energy	16 MJ DE/kg
Metabolisable energy	12.7 MJ ME/kg
Sugar	0.1 %
Calcium	0.1 %
Sodium	0.04 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	4 600 IU
Vitamin D3 ²	500 IU
Vitamin E ³	20 mg
Vitamin B1 ⁵	2.6 mg
Vitamin B2 ⁶	2.6 mg
Vitamin B6 ⁷	1.3 mg
Vitamin B12 ⁸	10.4 mcg
Biotin ⁹	52 mcg
Calcium-D-pantothenate ¹⁰	5.2 mg
Niacin ¹²	10 mg
Folic acid ¹³	1.3 mg

Technological additives

Clinoptilolite ²⁹	2 100 mg
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* Read the exact connections on page 138.



FOHLENGOLD® BONECARE

Strong bones

The foundation for a healthy musculoskeletal system is laid at a young age. If there is no adequate supply here, bones and joints cannot develop properly and represent a weak point for the resilience of the musculoskeletal system throughout life. In order to meet the high demands of a growing horse, we have developed **Fohlengold® BoneCare**. The specially developed formula provides foals and growing horses with valuable cell building blocks (nucleotides) and high-quality nutrients for healthy development. Scientifically proven!

- Specifically supports bone formation & growth
- Promotes stability, elasticity and thus resilience of the bones
- For growth-related disorders of bone and joint metabolism



Complementary feed
for horses

Can 1 kg



Feeding recommendation

For large horse foals: **approx. 30 g per day from 6 months of life.**

For small horse foals and pony foals: **approx. 15-20 g per day from the 6th month of life.**

Note: Not suitable for mineralisation to cover requirements.

1 measuring spoon corresponds to approx. 15 g

Composition

Yeast products (rich in RNA, nucleotides and β -glucans), maize germs, herbs (fennel-anise, peppermint, coriander, field horsetail, rosemary, thyme, nettle, camomile) 9 %, malt (enzyme active), beet fibres, oil cake mixture (linseed, sunflower seeds), collagen hydrolysate (low molecular), New Zealand green lipped mussel (GLME), rice bran, calcium carbonate (marine and mineral), oil mixture cold pressed (linseed, sunflower oil), fruit fibres (apple/grape), garlic, salt, PalaSyrup (Isomaltulose mol.), seaweed meal, D-glucosamine HCl of plant origin, carrots, MSM, magnesium fumarate/sulphate, dicalcium phosphate, ginger, chondroitin sulphate, certified plant feed charcoal, vinegar, chicory inulin, hyaluronic acid

Ingredients

Crude protein	19 %	Magnesium	0.3 %
Crude fat	11 %	Sodium	0.9 %
Crude fibre	7 %	Lysine	1.1 %
Crude ash	13.5 %	Methionine	1.6 %
Digestible crude protein	147 g/kg	Methionine + Cysteine	1.8 %
Digestible energy	14 MJ/kg	NZ green lipped mussel	56 000 mg/kg
Metabolisable energy	13 MJ/kg	D-Glucosamine	9 000 mg/kg
Starch	10 %	MSM	4 500 mg/kg
Sugar	5.9 %	Chondroitin sulphate	3 000 mg/kg
Calcium	1.5 %	Hyaluronic acid	500 mg/kg
Phosphorus	0.6 %		

Additives per kg*:

Nutritional additives

Vitamin A ¹	69 000 IU	Cholin chloride ¹¹	1 500 mg
Vitamin D3 ²	7 700 IU	Niacin ^{12 a, b}	150 mg
Vitamin E ³	5 100 mg	Folic acid ¹³	20 mg
Vitamin C ⁴	1 800 mg	Iron ^{16 a, b}	250 mg
Vitamin B1 ^{5 b}	70 mg	Zinc ^{17 a, b}	970 mg
Vitamin B2 ⁶	100 mg	Manganese ^{18 a, b}	800 mg
Vitamin B6 ⁷	50 mg	Copper ^{19 a, b}	260 mg
Vitamin B12 ⁸	160 mcg	Cobalt ²⁰	3 mg
Biotin ⁹	770 mcg	Selenium ^{21 a}	2 mg
Calcium-D-pantothenate ¹⁰	77 mg	Iodine ²²	3.1 mg

Technological additives

Diatomaceous earth ²⁶	5 600 mg	Clinoptilolite ²⁹	190 mg
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* Read the exact connections on page 138.

GLYXWIESE®

High quality fibre for good digestion and a horse ready to perform

The **St. Hippolyt® GlyxWiese®** products contain all high-quality grasses and herbs of the species-rich meadows of the Lake Constance region. The meadows of a water protection area are managed sustainably, with emphasis on a low proportion of fast-growing grasses. A large number of grass and meadow herb species provide the **GlyxWiese®** compositions with a wealth of vital substances. The first cut of these natural meadows is gently warm

air dried directly after mowing. This minimizes contamination with dust and soil from the ground and the development of microorganisms. The digestible and functional **St. Hippolyt®** product range **GlyxWiese®** is characterized above all by the gentle processing and the freshly harvested drying of the raw materials.



GLYXWIESE® MÜSLI

A natural, tasty muesli

- Suitable for overweight horses and horses with metabolic disorders
- Digestive, natural, not additionally mineralised
- Free from grain and molasses

The high-quality grasses and herbs of the Lake Constance region together with marigold and cornflower blossoms as well as oil seeds provide a colourful mixture with vitalising components. The cracked, golden-yellow linseed promotes digestion and ensures a shiny coat. By avoiding molasses and grains, **GlyxWiese® Müsli** is also suitable for horses with metabolic disorders.



Complementary feed
for horses

Paper bag 15 kg



GLYXWIESE® SENIORFASER

To enhance the roughage ration and to feed horses with dental problems

- For upgrading the hay ration in case of insufficient hay quality
- Hay substitute for horses with dental problems
- Mixed in with the feed as a fibre supplement for longer feeding times

GlyxWiese® Seniorfaser also provides roughage to horses that are unable to eat longer fibres. The chopped structure facilitates roughage intake with the same salivation, which means that the total amount can be increased considerably. This is especially recommended when horses can no longer take in enough hay due to jaw or tooth problems. **GlyxWiese® Seniorfaser** can be fed dry or soaked in water. Due to the gentle manufacturing process, the **GlyxWiese® Seniorfaser** is dust-free.

Our recommendation

For mineralisation to cover requirements, we recommend **SemperMin®** or feeding with a crib feed suitable for seniors, such as **Vitalmüsli Beste Jahre®**.



Complementary feed
for horses

Paper bag 15 kg



Feeding recommendation GlyxWiese® MÜSLI

As a supplement to the adapted basic feed supply with roughage and/or pasture grass, **approx. 100-200 g per 100 kg body weight and day** are recommended. For mineralisation to cover requirements, we recommend **SemperMin®**. **1 litre corresponds to approx. 280 g**

Composition GlyxWiese® MÜSLI

Large variety of grasses and herbs from regional meadows, cornflower blossoms, marigold blossoms, herbs, dried apple, sunflower seeds, linseed cracked, carrot fermentate

Feeding recommendation GlyxWiese® SENIORFASER

As an alternative to the basic feed: **1.2-1.5 kg per 100 kg body weight and day**.

To increase the value of the basic feed: Adapt the amount to the basic feed supply.

1 kg GlyxWiese® Seniorfaser replaces 1 kg hay. Start feeding slowly.

In order to cover the necessary roughage requirements of horses with tooth or chewing problems, **GlyxWiese® Seniorfaser** should be fed daily at a rate of **approx. 1.2-1.5 kg per 100 kg of body weight** to counteract weight loss.

GlyxWiese® Seniorfaser are suitable as a roughage alternative or to enhance hay or haylage as well as a substitute feed for horses that are to be fed little or no grain. For large horses, positive effects on digestion and nutritional condition can already be observed from 2 kg per day.

For mineralisation to cover requirements, we recommend **SemperMin®**.

1 litre corresponds to approx. 340 g

Composition GlyxWiese® SENIORFASER

Large variety of grasses and herbs from regional meadows, oil mixture cold pressed (linseed, sunflower oil), herbs (camomile, fennel, peppermint), vinegar, sunflower blossoms, cornflower blossoms, oil seeds gently cracked (linseed, sunflower seeds)

Ingredients

	GlyxWiese® MÜSLI	GlyxWiese® SENIORFASER
Crude protein	11 %	10.5 %
Crude fat	5 %	4 %
Crude fibre	18 %	25 %
Crude ash	5.5 %	9 %
Digest. crude protein	73.7 g/kg	69 g/kg
Digestible energy	9.9 MJ/kg	7.7 MJ/kg
Metabol. energy	8.6 MJ/kg	6.3 MJ/kg
Starch	2.6 %	3.4 %
Sugar	7.5 %	4.6 %
Fructans	4.9 %	5.5 %
Calcium	0.6 %	0.9 %
Phosphorus	0.35 %	0.3 %
Magnesium	0.25 %	0.28 %
Sodium	0.05 %	0.1 %

Native content of trace elements on average per kg (subject to natural variations)

	GlyxWiese® MÜSLI	GlyxWiese® SENIORFASER
Zinc	80 mg	60 mg
Manganese	100 mg	100 mg
Copper	10 mg	9 mg
Selenium	0.1 mg	0.07 mg

GLYXWIESE® HEUCOBS & WIESENTALER

Natural roughage of the highest quality

Aromatic roughage of the best quality is not only a treat for horses, but also the basis for health and well-being. Good quality roughage cares for the intestines and optimises metabolic processes and the immune system. Roughage is considered alkaline, has deacidifying properties and thus also serves to regenerate the muscle and joint apparatus.

- Rich in meadow herbs and low-fructan grasses
- Hygienically high-quality basic feed
- Low in dust and dirt

High quality and versatile

GlyxWiese® Heucobs and **GlyxWiese® Wiesentaler** are composed of selected grasses and valuable meadow herbs, which are of special quality due to the ideal climatic conditions of the species-rich Lake Constance region. After harvesting, the grasses and meadow herbs are gently dried at low temperatures so that the valuable nutrients and vital substances are preserved.

GlyxWiese® Heucobs and **GlyxWiese® Wiesentaler** are suitable for daily upgrading of

the roughage supply of all horses, especially in the case of haylage feeding and poor hay quality as well as for feeding hard-keepers.

GlyxWiese® Heucobs and **GlyxWiese® Wiesentaler** is characterised by a shorter soaking time compared to **GlyxWiese® Heucobs**. In addition, **GlyxWiese® Wiesentaler** has a softer structure and fewer fine particles. Especially for older horses with dental problems, **GlyxWiese® Wiesentaler** can be used as a complete or partial hay substitute.

Feeding recommendation

GlyxWiese® HEUCOBS:

As an alternative to the basic feed: **1.2-1.5 kg per 100 kg body weight and day.**

To increase the value of the basic feed: Adapt the amount to the basic feed supply.

1 kg GlyxWiese® Heucobs replaces 1 kg hay. Start feeding slowly. **Soak 1 kg GlyxWiese® Heucobs in 1.5-3 litres of water.**

Maximum 2 kg (dry weight) per meal – **always soak!**

In order to cover the necessary roughage requirements of horses with tooth or chewing problems, **GlyxWiese® Heucobs** should be fed daily at a rate of **approx. 1.2-1.5 kg per 100 kg of body weight** to counteract weight loss. **GlyxWiese® Heucobs** are suitable as a roughage alternative or to enhance hay or haylage as well as a substitute feed for horses that are to be fed little or no grain. For large horses, positive effects on digestion and nutritional condition can already be observed from 2 kg per day.

1.2-1.5 kg per 100 kg of body weight to counteract weight loss. **GlyxWiese® Heucobs** are suitable as a roughage alternative or to enhance hay or haylage as well as a substitute feed for horses that are to be fed little or no grain. For large horses, positive effects on digestion and nutritional condition can already be observed from 2 kg per day.

1 litre corresponds to approx. 630 g

Feeding recommendation

GlyxWiese® WIESENTALER:

As an alternative to the basic feed: **approx. 1 kg per 100 kg body weight and day.** To increase the value of the basic feed: Adapt the amount to the basic feed supply.

1 kg GlyxWiese® Wiesentaler replaces 1.2 kg hay. Feed larger quantities slowly. **Soak 1 kg GlyxWiese® Wiesentaler in 1.5-3 litres of water.**

1 litre corresponds to approx. 530 g

Composition

GlyxWiese® Heucobs & Wiesentaler

Large variety of grasses and herbs from regional meadows

Analytical constituents (subject to natural variations)

.....GlyxWiese® Heucobs	GlyxWiese® Wiesentaler
Crude protein..... 11 %.....	8.7 %
Crude fat..... 2.4 %.....	2.3
Crude fibre..... 23 %.....	25 %
Crude ash..... 9 %.....	10.4 %
Digest. crude protein..... 73.7 g/kg.....	52.6 g/kg
Digestible energy..... 7.7 MJ/kg.....	7 MJ/kg
Metabol. energy..... 6.3 MJ/kg.....	5.8 MJ/kg
Starch..... < 1 %.....	< 1 %
Sugar..... 7.1 %.....	7.1 %
Calcium..... 0.9 %.....	0.9 %
Phosphorus..... 0.3 %.....	0.3 %
Magnesium..... 0.28 %.....	0.28 %
Sodium..... 0.1 %.....	0.1 %

Native content of trace elements on average per kg (subject to natural variations)

.....GlyxWiese® Heucobs.....	GlyxWiese® Wiesentaler
Zinc..... 40 mg.....	37 mg
Manganese..... 100 mg.....	110 mg
Copper..... 6 mg.....	8 mg
Selenium..... 0.03 mg.....	0.05 mg



Complementary feed for horses

HEUCOBS:
Paper bag 20 kg
WIESENTALER:
Paper bag 15 kg

GLYXWIESE® LUZERNE MIX

High quality chopped fibre mix

GlyxWiese® Luzerne Mix is a particularly hygienically processed dry product made from alfalfa and green oats, which is versatile and practical due to its consistent quality.

- Value-preserving dried, dust-free and very hygienic
- Chaff form that encourages feeding pleasure
- Energy-rich concentrate substitute

GlyxWiese® Luzerne Mix is rich in amino acids, crude fibre and valuable fatty acids and thus offers interesting possibilities for use in sport and breeding. Grain quantities can be reduced and the digestibility of the total ration improved. Mixing the chopped alfalfa into the crib feed increases its volume, promotes chewing activity and thus stimulates and supports digestion.



Complementary feed
for horses

Plastic bag 18 kg



Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. **Approx. 150-500 g per 100 kg body weight and day.**
Note: **GlyxWiese® Luzerne Mix** can be given as a crib feed and grain substitute.

1 litre corresponds to approx. 200 g

Composition

Alfalfa 70 %, green oats, plant oils

Ingredients

Crude protein	12 %
Crude fat	2.4 %
Crude fibre	32 %
Crude ash	10.9 %
Digestible crude protein	82 g/kg
Digestible energy	10.5 MJ/kg
Metabolisable energy	8.9 MJ/kg
Starch & Sugar	10 %
Calcium	1.2 %
Phosphorus	0.3 %
Magnesium	0.3 %
Sodium	0.1 %
Potassium	2.1 %

Additives per kg*:

Nutritional additives

Vitamin D3 ²	950 IU
Vitamin E ³	110 mg
Beta-carotene ¹⁴	112 mg

Native content of trace elements on average per kg (subject to natural variations)

Iron	615 mg
Zinc	22 mg
Manganese	33 mg
Copper	9 mg
Cobalt	0.1 mg
Selenium	0.3 mg

* Read the exact connections on page 138.

BALANCED MINERALISATION

... as individual as your horse

The choice of the appropriate mineral feed depends on the performance, type and feeding of the horse. For example, a high-bearing broodmare requires a different mineralisation than a small horse in maintenance need. Basically, it should be noted that if the mineralised **St. Hippolyt**[®] basic feeds are fed within the recommended feeding rations, no additional mineralisation is necessary. If the feed rations are not adapted to the recommended amount or bottlenecks or deficiency symptoms occur, additional mineralisation is necessary.

All **St. Hippolyt**[®] mineral feeds are characterized by the use of diverse ingredients that are naturally rich in vital substances. These include marine components as well as brewer's yeast, cereal germs and herbs. Carrots and fruit components provide nutritional value and flavor. The trace elements are mainly organically bound and therefore particularly bioavailable – a safe and balanced supply is guaranteed.

SEMPERMIN® CLASSIC & MÜSLI

The tasty mineral feed

Organic vital substances from natural sea minerals, vitamins, herbs and trace elements to meet daily requirements.

- Suitable for easy-keepers and horses with grain intolerance
- Good bioavailability of the organically bound trace elements
- Good taste with low starch and sugar content (grain-free)

SemperMin® provides all the necessary vitamins, minerals, including trace elements for a vital metabolism. The moderate calcium content is adapted to the low native phosphorus content. Magnesium in organic binding ensures loose muscles and relaxed nerves. The trace elements zinc, copper and manganese are essential for healthy skin, a shiny coat and stable hooves. Cobalt is present in a special binding form that offers optimal utilisation of the absorbed nutrients. This stabilises the in-

testinal environment and promotes cellolytic microorganisms, thus also improving the cobalt-dependent synthesis of vitamin B 12. As antioxidants, vitamin E and selenium counteract acidification and free radicals caused by oxidative stress, while valuable omega-3 and omega-6 fatty acids additionally support the horse's well-being. In combination with hay, cereals or a basic crib feed, SemperMin® covers feed-related supply deficits. The flexible feeding dosage allows the balanced supply of all horse breeds.



Complementary feed
for horses

CLASSIC:
Bucket 5 kg & Paper bag 25 kg
MÜSLI:
Bucket 5 kg & Paper bag 15 kg

Feeding recommendation

SemperMin® CLASSIC & MÜSLI

As supplementary feeding to the usual basic feed supply with roughage and/or pasture grass, we recommend offering **approx. 25-40 g per 100 kg body weight and day** with the crib feed.

1 measuring cup of SemperMin® MÜSLI corresponds to approx. 80 g

1 measuring cup of SemperMin® CLASSIC corresponds to approx. 130 g

Composition CLASSIC

Fruit fibres (apple/grape), dicalcium phosphate, pea flakes, soy flakes hydrothermally processed*, beet syrup, calcium carbonate (marine and mineral), PalaSyrup (Isomaltulose mol.), oil mixture cold-pressed (linseed, sunflower oil) 4.8 %, grass chaff warm air dried, salt, herbs (peppermint, parsley, coriander, fennel, thyme, rosemary, milk thistle seeds, nettle, camomile), beet fibres, oil seeds gently cracked and oil cake mixture (linseeds, sunflower seeds), magnesium oxide/fumarate/sulphate, wheat bran, brewer's yeast, carrots, maize germs, garlic, malt-yeast-seasoning, honey, turmeric

Composition MÜSLI

Fruit fibres (apple/grape), grass chaff warm air dried, calcium carbonate (marine and mineral), dicalcium phosphate, beet syrup, wheat bran, maize germs, PalaSyrup (Isomaltulose mol.), salt, oil mixture cold pressed (linseed, sunflower oil) 4 %, herbs (peppermint, parsley, coriander, fennel, thyme, rosemary, milk thistle seeds, camomile, nettle, turmeric) 3.5 %, oilseeds gently cracked and oil cake mixture (linseeds, sunflower seeds) 2 %, pea flakes, beet fibres, soy flakes hydrothermally processed*, magnesium oxide/fumarate/sulphate, brewer's yeast, carrots, garlic, malt-yeast-seasoning, vinegar, sunflower blossoms, cornflower blossoms

* Soy from regional contract farming (GMO-free) exclusively for St. Hippolyt

Ingredients

.....	Classic	.....	Müsli
Crude protein	10 %	.....	9.5 %
Crude fat	8.4 %	.....	8.7 %
Crude fibre	8 %	.....	10 %
Crude ash	30 %	.....	30 %
Digest. crude protein	65 g/kg	.....	60 g/kg
Digestible energy	10 MJ/kg	.....	9.8 MJ/kg
Metabolisable energy	9 MJ/kg	.....	8.8 MJ/kg
Starch	1.3 %	.....	2.9 %
Sugar	11 %	.....	10.4 %
Calcium	7.2 %	.....	7 %
Phosphorus	2.5 %	.....	1.7 %
Magnesium	1.1 %	.....	1.2 %
Sodium	2 %	.....	2 %
Potassium	0.4 %	.....	0.5 %

Additives per kg*:

Nutritional additives

.....	Classic	.....	Müsli
Vitamin A ¹	85 000 IU	.....	85 000 IU
Vitamin D3 ²	10 000 IU	.....	9 500 IU
Vitamin E ³	2 000 mg	.....	2 000 mg
Vitamin B1 ⁵	80 mg	.....	100 mg
Vitamin B2 ⁶	120 mg	.....	150 mg
Vitamin B6 ⁷	60 mg	.....	80 mg
Vitamin B12 ⁸	200 mcg	.....	200 mcg
Biotin ⁹	2 050 mcg	.....	2 000 mcg
Calcium-D-pantothenate ¹⁰	100 mg	.....	100 mg
Cholin chloride ¹¹	1 600 mg	.....	2 200 mg
Niacin ^{12 a, b}	200 mg	.....	210 mg
Folic acid ¹³	25 mg	.....	25 mg
Iron ^{16 a, b}	800 mg	.....	500 mg
Zinc ^{17 a, b}	2 000 mg	.....	2 000 mg
Manganese ^{18 a, b}	2 000 mg	.....	2 000 mg
Copper ^{19 a, b}	370 mg	.....	380 mg
Cobalt ²⁰	2 mg	.....	2 mg
Selenium ^{21 a, b}	5,3 mg	.....	5 mg
Iodine ²²	13 mg	.....	10 mg

Technological additives

.....	Classic	.....	Müsli
Diatomaceous earth ²⁶	15 600 mg	.....	15 600 mg

* Read the exact connections on page 138.

SEMPERCUBE®

The practical, grain- & gluten-free mineral cube for pasture and stable

Sempercube® is particularly suitable for the mineral supply of pasture horses and easy-keepers with a low amount of manger feed or when fed exclusively on hay.

- Easy handling due to treat form
- Suitable for easy-keepers and for horses with grain intolerance (low in starch and sugar)
- Good bioavailability of the organically bound trace elements

Sempercube® provides mineralisation and vitaminisation according to the horse's needs based on nutrient-rich and palatable ingredients such as herbs, oil fruits, carrots and fruit components. Compared to mineral licks, the cubes offer the advantage that the nutrient intake can be precisely determined and the availability of the nutrients is many times higher.



Complementary feed
for horses

Bucket 3 kg & 10 kg
Paper bag 25 kg



Feeding recommendation

As supplementary feeding to the usual basic feed supply with roughage and/or pasture grass, we recommend offering **approx. 15-25 g per 100 kg body weight and day.**

1 piece corresponds to approx. 5 g

Composition

Pea flakes 25 %, calcium carbonate (marine and mineral), dicalcium phosphate, fruit fibres (apple/ grape), beet fibres, PalaSyrup (Isomaltulose mol.), salt, grass chaff warm air dried, oil mixture cold pressed (linseed, sunflower oil), soy flakes hydrothermally processed*, oil seeds gently cracked and oil cake mixture (linseed, sunflower seeds) 3 %, herbs (parsley, fennel-anise, hawthorn) 3.5 %, magnesium oxide/fumarate/sulphate, turmeric, maize germs, brewer's yeast, carrots, banana flour, malt-yeast-seasoning, garlic

*Soy from regional contract farming (GMO-free) exclusively for St. Hippolyt

Ingredients

Crude protein	10 %	Starch	1.3 %
Crude fat	6.9 %	Sugar	6 %
Crude fibre	7 %	Calcium.....	10 %
Crude ash	35 %	Phosphorus.....	2 %
Digestible crude protein	65 g/kg	Magnesium.....	1.5 %
Digestible energy	6.8 MJ/kg	Sodium	2.3 %
Metabolisable energy	6 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	130 000 IU	Niacin ^{12 b}	293 mg
Vitamin D3 ²	14 700 IU	Folic acid ¹³	37 mg
Vitamin E ³	2 080 mg	Iron ^{16 a, b}	219 mg
Vitamin B1 ^{5 b}	77 mg	Zinc ^{17 a, b}	3 300 mg
Vitamin B2 ⁶	80 mg	Manganese ^{18 a, b}	2 770 mg
Vitamin B6 ⁷	40 mg	Copper ^{19 a, b}	650 mg
Vitamin B12 ⁸	295 mcg	Cobalt ²⁰	2.5 mg
Biotin ⁹	1 500 mcg	Selenium ^{21 a, b}	5.6 mg
Calcium-D-pantothenate ¹⁰	150 mg	Iodine ²²	18.5 mg
Cholin chloride ¹¹	4 900 mg		

Technological additives

Diatomaceous earth ²⁶	19 000 mg
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* Read the exact connections on page 138.

GEMÜSE-KRÄUTER-MINERALIEN

Grain-free mineral feed for breeding and rearing

Optimal for broodmares during peak pregnancy and lactation as well as for rearing young horses. Suitable for balancing grain-heavy rations in performance horses.

- High content of calcium and marine nutrients
- For broodmares and young horses in growth
- Particularly high nutrient diversity

Gemüse-Kräuter-Mineralien are based on natural algae lime. The highly bioavailable calcium is required for breeding animals or for horses fed large amounts of grain to balance the calcium-phosphorus ratio. Trace elements and vitamins are included in biologically effective dosages and adjusted proportions. Dried vegetables, dried fruits, herbs and oleaginous fruits, in addition to being particularly palatable, ensure good digestion and improved absorption of the minerals and active substances into the blood. Due to the absence of cereal starch, the vegetable-herb minerals are also very suitable for sensitive and grain-sensitive horses.



Mineral feed
for horses

Bucket 10 kg
Paper bag 25 kg



Feeding recommendation

As supplementary feeding to the usual basic feed supply with roughage and/or pasture grass and grains or breeding feed, we recommend offering **approx. 20-25 g per 100 kg body weight and day** with the crib feed.

1 measuring cup corresponds to approx. 150 g

Composition

Calcium carbonate (marine and mineral), dicalcium phosphate (mineral), maize germs, salt, large variety of grasses and herbs from regional meadows, fruit fibres (apple/grape), oil mixture cold pressed (linseed, sunflower oil) 3.6 %, magnesium oxide, peppermint 2.8 %, oil cake mixture (linseeds, sunflower seeds) 2.7 %, brewer's yeast, PalaSyrup (Isomaltulose mol.), carrots, beet root, turmeric, cinnamon, vinegar

Ingredients

Crude protein.....	4.5 %	Starch	4.3 %
Crude fat	6 %	Sugar	2.2 %
Crude fibre	5.6 %	Calcium.....	16 %
Crude ash	53 %	Phosphorus.....	2.6 %
Digestible crude protein	14 g/kg	Magnesium.....	2.3 %
Digestible energy	5.6 MJ/kg	Sodium	3.9 %
Metabolisable energy	5.2 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	260 000 IU	Niacin ^{12 b}	590 mg
Vitamin D3 ²	29 000 IU	Folic acid ¹³	74 mg
Vitamin E ³	5 300 mg	Iron ^{16 a, b}	300 mg
Vitamin B1 ⁵	255 mg	Zinc ^{17 a, b}	2 400 mg
Vitamin B2 ⁶	350 mg	Manganese ^{18 a, b}	1 500 mg
Vitamin B6 ⁷	170 mg	Copper ^{19 a, b}	700 mg
Vitamin B12 ⁸	600 mcg	Cobalt ²⁰	10 mg
Biotin ⁹	4 700 mcg	Selenium ^{21 a}	8 mg
Calcium-D-pantothenate ¹⁰	295 mg	Iodine ²²	12.6 mg
Cholin chloride ¹¹	4 400 mg		

Technological additives

Diatomaceous earth ²⁶..... 9 000 mg

* Read the exact connections on page 138.

HORSECARE®

"Let your food be thy medicine."

Hippokrates of Kos around 460 to ~370 v. Chr.

Hippocrates (founder of medicine as a science) already knew about the essential effect of nutrition on the well-being of an organism. We live this principle every day anew with our philosophy "**Feeding like nature®**". Discovering and exploring the powers of nature and using them for our own health as well as for the health of our horses and dogs. We have also taken up this challenge with our HorseCare® range.

Care: Care, nurturing, protection and support – with specialties from St. Hippolyt®

With the intensively thought-out and scientifically founded **HorseCare®** supplementary feeds, unwellness becomes a foreign word. Our **HorseCare®** products understand how to provide and support your horse in its metabolic processes in the best possible way on the nutritional path.

Feeding as a problem solver

Many equine health problems can be traced back to feeding. Our **HorseCare®** series addresses nutrition-related health disorders: Muscle tension, movement disorders, poor performance, recurring digestive or respiratory problems, metabolic disorders, skin problems, as well as psychological disorders. An additional need for nutrients and vital substances must be covered in certain situations, such as the change of coat, stress or convalescence. Genetic dispositions, hormonal imbalances or use in high-performance sports should also be taken into account when designing the ration in order to compensate for the additional requirements that arise.

Natural and effective

Intensively thought-out formulations are not characterized by the quantity of additives alone; rather, the secret of their effectiveness begins with the composition of the raw materials. We place special emphasis on the biological origin and effectiveness of the ingredients as well as their synergy-promoting function. Our natural raw materials bring natively health-promoting and metabolism-activating ingredients. Using the powers and secrets of nature in a targeted way – according to our motto: **Feeding like nature®**. The natural and gentle processing of the raw materials according to the whole-food principle makes it possible to integrate them into the recipe in a largely natural form. A high availability of nutrients down to the cell is guaranteed. Our nature-oriented nutritional concept ensures the desired nutritional success already after a feeding period of a few weeks to a few months.

Finding the right supplement

With our **HorseCare®** products, we offer your horse a wide range of effective supplementary feeds. Are you unsure about choosing the right **HorseCare®** product for your horse or do you have questions about possible combinations of products? Then we will be happy to advise you:

St. Hippolyt® Consultation

by phone: +49 (0) 6222 990 100
by e-mail at info@st-hippolyt.de
or via the consultation form
at www.st-hippolyt.de



HORSE[®] CARE

"Out of responsibility for the health, well-being and performance of my horses, I trust in St. Hippolyt[®] and their products. From quality to service, I see St. Hippolyt[®] as the perfect sports partner for my horses and me. Every individual deserves to be considered in his or her uniqueness. That's what my horses get from me – and I from St. Hippolyt[®]. The horses in turn thank me with health and positive motivation!"

Dorothee Schneider
Dressage Olympic Champion,
World and European Champion in the team



MICROVITAL®

Trace element and vitamin booster for horses with increased requirements

MicroVital® promotes rapid compensation of supply shortages with the help of highly bioavailable trace elements.

- Best bioavailability through organically bound trace elements, rich in zinc, copper, manganese and selenium
- Optimised nutrient uptake through regulatory protein building blocks (nucleotides)
- Reliable balance even with small amounts
- Quickly visible feeding results



Complementary feed
for horses

Bucket 3 kg & 10 kg



Deficiencies in the basic feed

Stress situations due to husbandry or use, breeding, high performance and old age or excessive grain and protein feeding.

The trace element requirement cannot be covered by the basic feed (pasture grass, hay) and the addition of grain alone. Overexploitation, one-sided fertilisation of pasture and arable soils as well as the lack of mineral-rich herbs lead to nutrient depletion of soils - the best known being selenium deficiency. In horses, deficiencies manifest themselves as coat, skin and hoof problems, nervousness, immune system disorders, impaired feed conversion, muscle and performance problems. Hard-keeping, reproductive, growth and developmental disorders as well as nutrition-related sweet itch are also among the consequences. Especially stressed, over-acidified and immune-labile horses, allergy sufferers, eczema sufferers and horses with metabolic disorders need an increased supply of trace elements.

Balance through highly bioavailable minerals

Organically bound trace elements can be present as amino acid chelates or as sugar compounds, as well as ingredients of yeasts or algae. An optimised absorption into the organism is thus guaranteed.

Natural regulative protein building blocks

In the organism, regulatory protein building blocks (nucleotides) support the function of trace elements and vitamins for natural health support. This benefits the immune system, the metabolism, the horse's ability to cope with stress and faster regeneration after states of exhaustion.

Vital health and new performances reserves

MicroVital® closes a gap in the nutrient supply with its combination of organically bound trace elements and regulative protein building blocks. In order to achieve an optimal effect in terms of vitalisation and health stabilisation, attention has been paid to the correct selection and best possible quality of these natural nutritional components.

Our recommendation

For individual trace element deficiencies, we recommend one of the **Hesta Plus®** products depending on the deficiency. For more information, please see page 104-106 and contact our expert advice service.

Feeding recommendation

Offer **approx. 15-20 g per 100 kg body weight and day** mixed with the crib feed.

Note: During winter feeding, additional vitaminisation must be considered if given alone.

1 measuring cup corresponds to approx. 120 g

Composition

Maize germs, yeast products (rich in RNA and nucleotides), oil seeds gently cracked and oil cake mixture (linseeds, sunflower seeds) 11 %, beet fibres, carrots, seaweed lime, magnesium fumarate/sulphate, malt-yeast-seasoning, wheat bran, PalaSyrup (Isomaltulose mol.), oil mixture cold pressed (linseed, sunflower, maize germ, canola oil) 2 %, salt, garlic, pea flake meal, fruit fibres (apple/grape), fennel, turmeric, chicory inulin, dextrose

Ingredients

Crude protein.....	15 %	Starch	11.6 %
Crude fat	9.3 %	Sugar	5.3 %
Crude fibre	6 %	Calcium.....	2 %
Crude ash	13 %	Phosphorus.....	0.4 %
Digestible crude protein	110 g/kg	Magnesium.....	1.1 %
Digestible energy	14 MJ/kg	Sodium	1 %
Metabolisable energy	12.7 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin E ³	2 000 mg	Iron ^{16b}	2 500 mg
Vitamin B1 ⁵	350 mg	Zinc ^{17b}	7 500 mg
Vitamin B2 ⁶	650 mg	Manganese ^{18b}	7 000 mg
Vitamin B6 ⁷	350 mg	Copper ^{19b}	1 000 mg
Vitamin B12 ⁸	50 mcg	Cobalt ²⁰	10 mg
Biotin ⁹	5 000 mcg	Selenium ^{21b}	9 mg

Technological additives

Clinoptilolite ²⁹	20 mg
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* Read the exact connections on page 138.

MOVICUR®

Dynamics and joy of movement

In recent years, it has become increasingly clear that poor nutrition plays a major role in the development of joint and tendon problems as well as general movement disorders. An effective supply of minerals, high-quality fatty acids and antioxidant vitamins as well as many metabolically active herbs can demonstrably contribute to improving free mobility. With its range of nutrients, Movicur®, which has been tried and tested for many years, offers a high-quality supplementary diet for sport horses, young horses and older horses.

- For lasting protection of tendons, ligaments and joints
- Contains New Zealand green lipped mussel, collagen building blocks and silicic acid
- Rich in specific herbs, omega-3 fatty acids and antioxidants

Research object green lipped mussel

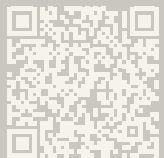
According to marine scientist John Croft, their special nutritional effect is based on interlocking biological functions. A special carbohydrate complex was found in mussel extract that keeps inflammation-activating white blood cells in check without suppressing the body's resistance. Furthermore, special long-chain fatty acids and characteristic enzymes have been detected. They favour the formation of prostaglandins which gently counteract inflammations.

The secret of the green lipped mussel

John Croft also speaks of a third mechanism of action. These are the mucopolysaccharides, also known as glycosaminoglycans. Protein-sugar compounds of this type are also formed by the cartilage cells of the body itself. They are used to build up cartilage tissue, to which they impart pressure- and shock-absorbing properties. Glycosaminoglycans are also responsible for the lubricating function of the synovial fluid. Long-term supply deficits due to one-sided feeding can inhibit the self-synthesis of glycosaminoglycans.

Efficient nutrient balancing

An essential nutritional component of **Movicur®** is the extract of the New Zealand green lipped mussel in very special quality (Biolane®). Together with herbs, fermented brown millet and horsetail as sources of silicon, collagen-forming proteins, seaweed extracts with a tissue-protecting effect and a special trace element supply, the proven, nutritive combination effect of **Movicur®** is created. This provides the body with good conditions to regenerate connective tissue, tendons, ligaments and joints in a sustainable and natural way. As joint cartilage is not a structure that is supplied with blood, its ability to regenerate itself is limited. With a healthy, balanced diet, the loss of elasticity and progressive degradation of articular cartilage can be counteracted. The reduction of nutrients in the synovial fluid, which leads to the deterioration of its lubricating properties, can be slowed down or largely prevented. In addition, **Movicur®** contains natural active ingredients for tissue protection with vitamin E, omega-3 fatty acids from mussel extract and linseed as well as complex sugars from algae.



Movicur® study

For more information, see the **Movicur®** study (www.st-hippolyt.com).

Complementary feed
for horses

- Bucket 10 kg
- Refil bag 5 kg
- Bag 25 kg



Freedom of movement



Feeding recommendation

Offer approx. 40 g per 100 kg body weight and day with the crib feed. For supportive feeding, approx. 20 g per 100 kg body weight and day is sufficient. Note: Not suitable for mineralisation to cover requirements.

1 measuring cup corresponds to approx. 115 g

Composition

Maize germs, barley flakes (lactofermented), malt, herbs (field horsetail, peppermint, coriander, rosemary, birch leaves, camomile, thyme, goldenrod) 8.6 %, oil seeds gently cracked and oil cake mixture (linseeds, sunflower seeds, fennel seeds, black cumin seeds), millet (lactofermented), oil mixture cold pressed (linseed, sunflower oil) 3.5 %, calcium carbonate (marine and mineral), fruit fibres (apple/grape), garlic, New Zealand green lipped mussel (GLME) 3 %, carrots, PalaSyrup (Isomaltulose mol.), wheat bran, dicalcium phosphate, magnesium sulphate/fumarate/phosphate, spirulina algae (liposomally encapsulated), seaweed meal, beet fibres, salt, brewer's yeast, rice bran, vinegar, soy flakes hydrothermally processed*, nettle, certified plant feed charcoal

* Soy from regional contract farming
GMO-free) exclusively for St. Hippolyt

Ingredients

Crude protein	13.6 %
Crude fat	12.2 %
Crude fibre	8 %
Crude ash	12 %
Digestible crude protein	97.5 g/kg
Digestible energy	14.5 MJ/kg
Metabolisable energy	13.2 MJ/kg
Starch	19.7 %

Sugar	7 %
Calcium	1.9 %
Phosphorus	0.6 %
Magnesium	0.4 %
Sodium	0.4 %
Lysine	0.9 %
Methionine	2 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	82 000 IU
Vitamin D3 ²	9 605 IU
Vitamin E ³	5 990 mg
Vitamin C ⁴	2 370 mg
Vitamin B1 ^{5 a, b}	97 mg
Vitamin B2 ⁶	146 mg
Vitamin B6 ⁷	73 mg
Vitamin B12 ⁸	200 mcg
Biotin ⁹	1 720 mcg
Calcium-D-pantothenate ¹⁰	96 mg

Cholin chloride ¹¹	1 940 mg
Niacin ^{12 a, b}	193 mg
Folic acid ¹³	24 mg
Iron ^{16 a, b}	300 mg
Zinc ^{17 a, b}	955 mg
Manganese ^{18 a, b}	812 mg
Copper ^{19 a, b}	305 mg
Cobalt ²⁰	3.8 mg
Selenium ^{21 a, b}	2.7 mg
Iodine ²²	3.7 mg

Technological additives

Diatomaceous earth ²⁶	9 960 mg
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* Read the exact connections on page 138.

LAMIN® forte

Improved tissue regeneration and more vitality

A lack of vital substances such as zinc, vitamin C and E can have a negative effect on the immune system and the regenerative power of the organism. Lamin® forte offers all these nutritional building blocks and glyconutrients from algae, which the body can use specifically to strengthen the immune system and improve cell regeneration.

- Glyconutrients from marine algae
- Regulatory secondary plant compounds from dietary herbs and linseed
- Antioxidant cell protection via fruits, spice plants, vitamins and trace elements



Complementary feed
for horses

Bucket 3 kg

*The power
from the sea*





Consequences of deficiencies for the metabolism

Metabolism and immune system are weakened by long-term vital substance deficiencies and tend to malfunction, such as reduced performance and regeneration capacity. Horses at risk are sport and breeding horses, seniors and horses fed only hay and oats. A lack of essential fatty acids, antioxidants, glycoproteins and trace elements can lead to tissue damage, delayed regeneration or increased tendency to inflammation.

Treasures from the sea

The cell walls of the brown algae contain special sugar compounds (glyconutrients) that are related to the outermost enveloping layer of mammalian cells. Their richness in natural minerals, vitamins, amino acids, carbohydrates and secondary plant substances has a positive effect on metabolism and the immune system.

Micronutrients from fruits and herbs

Fruits and aromatic herbs contain various antioxidants that counteract the aggressive effect of radical substances in several ways. In combination with vitamin E from vegetable oils, omega-3 fatty acids and trace elements, they effectively contribute to the resistance of the tissues and the entire organism.

Feeding recommendation

Offer approx. 15-20 g per 100 kg body weight and day mixed with the crib feed. Note: Not suitable for mineralisation to cover requirements.

1 measuring cup corresponds to approx. 115 g

Composition

Barley flakes (lactofermented), herbs (camomile, milk thistle seeds, fenugreek seeds) 14 %, oil cake mixture (linseed, sunflower seeds, black cumin seeds), maize germs, fruit fibres (apple/grape), brewer's yeast, oil mixture cold pressed (linseed, sunflower oil) 5 %, seaweed meal, beet syrup, carrots, amla berry, seaweed lime, turmeric, salt

Ingredients

Crude protein	16 %
Crude fat	11 %
Crude fibre	9 %
Crude ash	11.7 %
Digestible crude protein	120 g/kg
Digestible energy	11.9 MJ/kg
Metabolisable energy	10.4 MJ/kg
Starch	11.7 %
Calcium	0.8 %
Phosphorus	0.3 %
Sodium	0.7 %

Additives per kg*:

Nutritional additives

Vitamin D3 ²	330 IU
Vitamin E ³	2 195 mg
Vitamin C ⁴	1 000 mg
Iron ^{16 a}	76 mg
Zinc ^{17 a, b}	1 700 mg
Manganese ^{18 a, b}	1 200 mg
Copper ^{19 a, b}	260 mg
Selenium ^{21 a, b}	4.7 mg
Iodine ²²	2.8 mg

Technological additives

Diatomaceous earth ²⁶	9 500 mg
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* Read the exact connections on page 138.

MUCOLYT®

Free breath through a unique variety of herbs

The sensitivity of the respiratory tract to external stimuli is one of the most common ailments of the horse and is closely associated with a weak immune system. Especially during the change of coat, it is important to strengthen the immune system in addition to supporting the respiratory tract with the power of herbs.

- To support the respiratory tract with a unique variety of herbs
- Promotes the self-cleansing power of the mucous membranes & respiratory tract
- Strengthens the immune system

Sensitive respiratory tract

The decline in biodiversity on pastures and meadows, one-sided feed rations, inadequate bedding and basic feed quality as well as increased environmental stimuli favour respiratory infections. Especially during the change of coat and with a poor general condition (weakened immune system), many horses are more susceptible to respiratory problems. Since the health of the respiratory tract is directly related to the performance and well-being of the horse, attention must be paid to a high-quality supply of micronutrients in addition to the husbandry.

a wealth of these secondary plant substances for more vitality through its variety of herbs. In addition, it contains essential trace elements that help with detoxification and contribute to stabilising the immune system. The diverse herbal composition in **Mucolyt®** not only enhances the daily feed ration, but also supports the natural cleansing processes of the respiratory tract. **Mucolyt®** is suitable for permanent feeding.

Natural substances for the respiratory tract and immune system

Tea and spice herbs are particularly rich in natural essential oils, which have an important function in keeping the respiratory tract moist and clean. Valuable secondary plant substances support the horse's health maintenance through their direct influence on the immune system. **Mucolyt®** provides



Complementary feed
for horses

Bucket 10 kg
Refill bag 5 kg
Paper bag 25 kg





Feeding recommendation

Offer approx. 40 g per 100 kg body weight and day with the crib feed. For supportive feeding, approx. 20 g per 100 kg body weight and day is sufficient. *Note: Not suitable for mineralisation to cover requirements.*

1 measuring cup corresponds to approx. 130 g

Composition

Herbs (ribwort, coltsfoot, fennel, sage, mallow, Iceland moss, peppermint, nettle, thyme, coriander, fenugreek, anise) 50 %, alfalfa chaff, malt, wheat bran, oat bran, maize germs, barley flakes (lactofermented), calcium carbonate (marine and mineral), fruit fibres (apple/grape), beet fibres, oil mixture cold pressed (linseed, sunflower oil), salt, seaweed meal, magnesium oxide, black cumin

Ingredients

Crude protein	10 %	Starch	13.4 %
Crude fat	6.8 %	Sugar	5.8 %
Crude fibre	15 %	Calcium	1.9 %
Crude ash	13 %	Phosphorus	0.4 %
Digestible crude protein	64.5 g/kg	Magnesium	0.4 %
Digestible energy	9.4 MJ/kg	Sodium	0.6 %
Metabolisable energy	8.3 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	34 000 IU	Cholin chloride ¹¹	751 mg
Vitamin D3 ²	3 790 IU	Niacin ^{12 a}	77 mg
Vitamin E ³	470 mg	Folic acid ¹³	9.5 mg
Vitamin C ⁴	1 000 mg	Iron ^{16 a}	35 mg
Vitamin B1 ^{5 b}	19 mg	Zinc ^{17 a, b}	470 mg
Vitamin B2 ⁶	20 mg	Manganese ^{18 a, b}	152 mg
Vitamin B6 ⁷	9.5 mg	Copper ^{19 a}	72 mg
Vitamin B12 ⁸	77 mcg	Selenium ^{21 a, b}	0.9 mg
Biotin ⁹	402 mcg	Iodine ²²	1.3 mg
Calcium-D-pantothenate ¹⁰	38 mg		

* Read the exact connections on page 138.

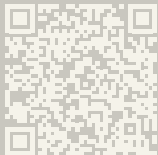
UNGULAT®

Holistic hoof nutrition

Hooves are the foundation of the horse and carry it throughout its life. Cracks, grooves, poor consistency and disturbed growth indicate a lack of specific nutrients, which must be compensated for with adapted feeding. Taking into account the latest findings of nutritional science, Ungulat® with its effective nutrient composition offers a sustainable nutritional concept for the promotion of robust and resilient hooves - even in difficult cases.

- Rich in keratin-forming amino acids & special brewer's yeast (contains nucleotides)
- Highly bioavailable, liposomally encapsulated trace elements
- Special herbal composition

Ungulat® study



It has been scientifically proven that horn growth is improved, nutrient uptake is better and the transport of substances into the hoof is optimised, resulting in a lasting improvement in hoof quality.

For more information, see the Ungulat® study (www.st-hippolyt.com).

Complementary feed for horses

- Bucket 10 kg
- Refill bag 5 kg
- Paper bag 25 kg



Better horn growth

The hoof horn consists mainly of the scaffolding protein keratin, which in turn has a characteristic amino acid pattern. Deficiencies in the amino acids lysine, methionine, cysteine, proline and glycine are treated with Ungulat® via natural protein sources such as brewer's yeast, oilseeds, spirulina algae and herbs.

Improving hoof quality

Mineral substances such as zinc, manganese, copper, iron, organic sulphur compounds, silicon and calcium are important strengthening structural components for the hoof horn. In Ungulat®, these nutrients are predominantly present in organic binding forms and liposomally encapsulated in optimised proportions to ensure bioavailability. In addition, cold pressed linseed oil provides unsaturated fatty acids. They are of great importance for the pliability and elasticity of the hoof horn. Functional cell building blocks (nucleotides) also ensure an optimised cell division rate and improved horn structure.

Biotin production

Ungulat® provides enzyme-rich cereal germs, garlic, brewer's yeast, linseed, millet, chamomile, vitamin A and the trace element cobalt to promote and protect digestion and thus improve the body's own biotin production.

Transport of substances into the hoof

Only a well-supplied with blood hoof corium ensures the transport of substances into the hoof complex. Ungulat® contains garlic, unsaturated fatty acids, grape seed flour and other vascular protection factors. These nutrients help to maintain the fluidity of the blood or to protect the fine blood vessels up to the dermis.

Feeding recommendation

Offer approx. 40 g per 100 kg body weight and day mixed with the crib feed. Note: From this amount, no additional mineralisation is necessary. For supportive feeding, approx. 20 g per 100 kg body weight and day is sufficient.

1 measuring cup corresponds to approx. 110 g.

Composition

Brewer's yeast, alfalfa chaff, oil seeds gently cracked and oil cake mixture (linseeds, sunflower seeds) 13 %, herbs (fenugreek seeds, field horsetail, nettle, chamomile, ginger, fennel-anise) 8 %, malt-yeast-seasoning, millet (lactofermented), oil mixture cold pressed (linseed, sunflower oil) 6 %, maize germs, seaweed lime, fruit fibres (apple/grape), wheat bran, garlic, himalayan salt, rice bran, barley flakes (lactofermented), spirulina algae, magnesium fumarate/sulphate, seaweed meal, beet fibres, carrots, vinegar, PalaSyrup (Isomaltulose mol.), pea flake meal, yeast products (rich in RNA and nucleotides), chicory inulin

Ingredients

Crude protein.....	19 %	Calcium.....	1.8 %
Crude fat	12 %	Phosphorus.....	0.5 %
Crude fibre	10.6 %	Magnesium.....	0.4 %
Crude ash	16 %	Sodium	0.6 %
Digest. crude protein....	147 g/kg	Potassium	0.9 %
Digestible energy	13.3 MJ/kg	Lysine	1 %
Metabol. energy.....	11.6 MJ/kg	Methionine	2 %
Starch	8.2 %	Methionine + Cysteine.....	2.2 %
Sugar	3.4 %		

Additives per kg*: Nutritional additives

Vitamin A ¹	30 000 IU	Cholin chloride ¹¹	1 700 mg
Vitamin D3 ²	3 500 IU	Niacin ^{12 a}	210 mg
Vitamin E ³	900 mg	Folic acid ¹³	30 mg
Vitamin C ⁴	10 500 mg	Iron ^{16 a, b}	250 mg
Vitamin B1 ^{5 b}	100 mg	Zinc ^{17 a, b}	2 500 mg
Vitamin B2 ⁶	140 mg	Manganese ^{18 a, b}	1 100 mg
Vitamin B6 ⁷	70 mg	Copper ^{19 a, b}	570 mg
Vitamin B12 ⁸	200 mcg	Cobalt ²⁰	34 mg
Biotin ⁹	80 000 mcg	Selenium ^{21 a, b}	2.8 mg
Calcium-d-Pantothenate ¹⁰	100 mg	Iodine ²²	2.8 mg

Technological additives

Diatomaceous earth ²⁶	39 000 mg
Clinoptilolite ²⁹	1 mg

* Read the exact connections on page 138.



UNGULAT® HOOF LOTION

Stimulates and accelerates horn growth

Regenerating and moisturizing hoof gel containing plant stem cells & algae extracts

The innovative solution for healthy hooves: **plant stem cells**

- Enormous protective potential
- Regeneration and maintenance of tissue through constant cell renewal
- Exceptional reproduction and differentiation potential
- Naturally rich in valuable fats, proteins, polyphenols and growth factors

Recommended for horses with:

- Brittle, cracked hooves
- Poor growth of hoof tissue
- Poor development of the frog
- Disturbance of the white line
- Dry hooves

Healthy hooves are essential for the well-being and quality of life of our horse. They are the supporting foundation and no other part of the body has to withstand such enormous stress every day.

In addition to feeding according to the horse's needs (e.g. **Ungulat® Hoof Cure**), regular hoof care is also a necessary measure to prevent and regenerate hoof problems.

The innovative and high-quality composition of **Ungulat® Hoof Lotion** based on a highly effective plant stem cell complex, in combination with powerful growth factors (signal proteins), regenerates hoof damage and stimulates the growth of the hoof horn. In addition, **Ungulat® Hoof Lotion** moisturises without clogging the pores. The unique combination of bioactive substances initiates the body's own repair mechanisms and regeneration processes, at the

same time **Ungulat® Hoof Lotion** supplies the hoof with important amino acids, vitamins and minerals. The interaction of the various care components of **Ungulat® Hoof Lotion** nourish and care for the hoof horn, stabilise the keratin framework and thus improve the biomechanical properties and elasticity. Plant-derived ingredients also activate the hoof's own protective system and provide support in the case of impaired hoof growth. **Ungulat® Hoof Lotion** protects, activates, regenerates and thus sustainably promotes a healthy structure and growth of the hooves.

Application

For external use: Apply **2-3 times a week** to a clean hoof. To obtain optimal results, we recommend cleaning the hoof with water beforehand and drying thoroughly.

Apply **Ungulat® Hoof Lotion** on the coronary band. Due to the amino acids in this product, white deposits may form.

Shake well before use.

Composition

Polyacrylate base, water, growth factors, plant stem cells, preservatives and colourants

Bottle with brush 450 ml



BIOTIN

Hoof Mixture – Nutrients to improve the hoof situation

Biotin is a key vitamin for healthy hoof growth. Cracked, brittle or too soft hooves as well as a lack of hoof growth can be caused by a lack of biotin, a water-soluble vitamin from the group of B vitamins.

- To promote hoof growth
- With building blocks for improved endogenous biotin synthesis
- Rich in organically bound zinc, brewer's yeast and sulphur-containing amino acids

The B vitamins are normally produced in sufficient quantities in the horse's healthy large intestine. Unfortunately, a lack of crude fibre, reduced basic feed quality or an unbalanced diet lead to disturbances of the intestinal flora and thus to a reduced biotin self-synthesis. In addition to delayed hoof growth and reduced horn quality, skin disorders, muscle tension, nervousness and loss of performance can be further signs of a biotin deficiency.

Biotin Hoof Mixture is a feed concentrate to promote the formation of healthy hoof horn. It combines biotin in an effective daily dosage with vital substances for hoof stability such as organically bound zinc, brewer's yeast, fermented cereals and sulphur-containing amino acids.



Complementary feed
for horses

Can 1 kg
Bucket 2,5 kg

Our recommendation

In case of persistent hoof problems we recommend **Ungulat®**, the holistic hoof cure with all nutritional components for healthy hoof growth.

Feeding recommendation

Offer approx. **1-3 g per 100 kg body weight and day** with the crib feed. Note: In case of need, double the amount can be given temporarily. Not suitable for mineralisation to cover requirements.

1 measuring spoon corresponds to approx. 15 g

Composition

Oil seeds gently cracked and oil cake mixture (linseeds, sunflower seeds, black cumin seeds) 14.6 %, malt, maize germs, wheat bran, oil mixture cold pressed (linseed, sunflower, maize germ oil) 6.9 %, brewer's yeast, herbs (milk thistle seeds, parsley, horsetail), barley flakes (lactofermented), carrots, fruit fibres (apple/grape), turmeric, barley germs

Ingredients

Crude protein	18 %	Starch	11.4 %
Crude fat	12 %	Sugar	2.7 %
Crude fibre	6.8 %	Calcium.....	1 %
Crude ash	11 %	Phosphorus.....	0.5 %
Digestible crude protein	138 g/kg	Sodium	0.07 %
Digestible energy	15 MJ/kg	Methionine	5.1 %
Metabolisable energy	13 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	170 000 IU	Cholin chloride ¹¹	7 395 mg
Vitamin D3 ²	19 730 IU	Niacin ^{12 b}	395 mg
Vitamin E ³	2 760 mg	Folic acid ¹³	49 mg
Vitamin C ⁴	1 500 mg	Iron ^{16 a, b}	824 mg
Vitamin B1 ⁵	730 mg	Zinc ^{17 a, b}	2 648 mg
Vitamin B2 ⁶	1 361 mg	Manganese ^{18 a, b}	676 mg
Vitamin B6 ⁷	685 mg	Copper ^{19 a, b}	315 mg
Vitamin B12 ⁸	765 mcg	Cobalt ²⁰	39 mg
Biotin ⁹	2 000 000 mcg	Selenium ^{21 a}	4 mg
Calcium-D-pantothenate ¹⁰	197 mg	Iodine ²²	6.2 mg

Technological additives

Diatomaceous earth ²⁶
 44 500 mg |

HIPPOMUN[®] forte

Supporting the defences

The body's own defence depends on the responsiveness and multiplication speed of the immune cells. Hippomun[®] forte provides proven nutrients and functional substances such as β -glucans, nucleotides, lysine and grape seed flour for a strong immune system. Horses can thus become more resistant, more efficient and more nervously resilient.

- Strengthens the body's own defences with nutrients for the immune cells
- In times of higher stress such as change of coat, change of stable or weaning
- In convalescence, during competitions and breeding season

Supporting the immune system

Horses with a less resilient immune system are susceptible to bacteria, viruses, fungi or parasites. Vaccinations and stressful situations also increase the strain on the immune system. The immune system faces particular challenges during weaning in foals, in stables with high turnover, during the competition and breeding season and during transport. Specific micronutrients can activate and stimulate immune cells in a targeted way, thus supporting the defences.

Immune activating composition

Herbal components such as turmeric and ginger strengthen the immune system, are anti-inflammatory and digestive. Taiga root (Siberian ginseng) brings antiviral, immunomodulating and antioxidant properties. Nucleotides, as building materials of DNA, promote cell division of immune and intestinal epithelial cells and thus increase the efficiency of the immune system. β -glucans from yeast cell extracts and fermented carrots stimulate macrophages (scavenger cells) and increase their alertness and sensitivity to pathogens. The essential

trace element zinc serves the organism as a cofactor in certain metabolic processes and stimulates the multiplication and reactivity of immune cells. High-quality proteins from oilseeds, algae and brewer's yeast provide the organism with building blocks for the supply of immune cells. The essential amino acid lysine, as a counterpart to arginine, inhibits the multiplication of certain viruses. In addition, omega-3 fatty acids from linseed oil and linseed protect macrophages and lymphocytes.



Complementary feed
for horses

Can 1 kg
Bucket 3 kg & 10 kg



Feeding recommendation

Offer approx. 6 g per 100 kg body weight and day mixed with the crib feed. Feed for seven consecutive days, followed by a three-week break. Repeat the feeding interval.

Note: Not suitable for mineralisation to cover requirements.

1 measuring spoon corresponds to approx. 15 g

Composition

Maize germs, malt, yeast products (rich in RNA, nucleotides and β -glucans), alfalfa chaff, wheat germs, fruit fibres (apple/grape), linseed, PalaSyrup (Isomaltulose mol.), oil mixture cold pressed (linseed and canola oil), seaweed lime, turmeric, short-chain peptides, himalayan salt, apple syrup, rosehip, carrot fermentate, taiga root, chlorella algae, ginger, chicory inulin, dextrose, malt-yeast-seasoning, banana flour

Ingredients

Crude protein.....	14.2 %	Calcium.....	0.85 %
Crude fat	12.6 %	Phosphorus.....	0.66 %
Crude fibre	5.6 %	Sodium	0.2 %
Crude ash	7 %	Lysine.....	1 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	40 000 IU	Biotin ⁹	520 mcg
Vitamin D3 ²	5 000 IU	Calcium-D-pantothenate ¹⁰	50 mg
Vitamin E ³	200 mg	Cholin chloride ¹¹	90 mg
Vitamin C ⁴	5 000 mg	Niacin ¹²	110 mg
Vitamin B1 ^{5b}	28 mg	Folic acid ¹³	13 mg
Vitamin B2 ⁶	26 mg	Zinc ^{17b}	1 000 mg
Vitamin B6 ⁷	14 mg	Selenium ^{21b}	1.3 mg
Vitamin B12 ⁸	100 mcg	Iodine	5 000 mg

Technological additives

Clinoptilolite ²⁹	250 mg
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* Read the exact connections on page 138.

GLUCOGARD®

Vital substance complex for natural regulation of sugar and insulin metabolisms

The correct assessment of energy requirements presents many horse owners with a difficult task. A high energy intake through too much crib feed or even fresh grass can have fatal consequences, especially for horses that are originally adapted to meager living conditions. Lack of exercise and continuous overfeeding stress the carbohydrate metabolism.

- For nutrient supplementation of overweight horses and in cases of metabolic derangement
- Special mineral supplementation in roughage-only rations
- Supports the insulin metabolism



Glucogard®/Equigard® study

For more information, please visit www.st-hippolyt.com and see the current **Glucogard®** study.



Complementary feed
for horses

Bucket 3 kg & 10 kg





For horses with overweight and metabolic derangement, a diet low in cereals and thus starch and sugar is required. However, if the horse is fed only hay and straw, the need for specific minerals and functional nutrients cannot be adequately met.

Glucogard® provides a balanced spectrum of micronutrients as well as antioxidants and protective plant nutrients to counteract such deficiencies. Natural nutrients from brewer's yeast such as vitamins of the B-complex and trivalent chromium, as well as minerals such as magnesium, zinc and manganese are necessary for the well-functioning sugar and insulin metabolism. Vital substances such as vitamin E and selenium protect the body's cells from antioxidant stress. This is especially true for the hoof complex, which is particularly vulnerable in overweight horses. With its plant-based protective nutrients, **Glucogard®** can naturally contribute to maintaining the health of the hoof complex.

Feeding recommendation

(e. g. to **Equigard®** or roughage-only rations).

For acute metabolic problems: **approx. 50 g per 100 kg body weight and day**; if necessary, slurry in water and give with a mouth syringe.

For metabolism and hoof support especially during critical weather and pasture situations: approx. 20 g per 100 kg body weight and day until the desired weight is reached or permanently in case of impaired insulin function. *Note: From this amount, no additional mineralisation is necessary.*

Composition

Brewer's yeast 38 %, herbs (honeysuckle, blueberry leaves, meadowsweet, milk thistle seeds, fenugreek, anise, fennel) 25 %, oil mixture cold pressed (linseed, sunflower oil) 6 %, malt-yeast-seasoning, magnesium fumarate/phosphate/oxide, ginger, cinnamon, salt, garlic, seaweed lime, artichoke, turmeric, vinegar, honey

Ingredients

Crude protein	21 %	Starch	6 %
Crude fat	8.4 %	Sugar	2.6 %
Crude fibre	6.6 %	Calcium	1 %
Crude ash	12 %	Phosphorus	0.8 %
Digestible crude protein	165 g/kg	Magnesium	1 %
Digestible energy	11.8 MJ/kg	Sodium	1 %
Metabolisable energy	10 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	90 000 IU	Niacin ^{12 a}	210 mg
Vitamin D3 ²	10 000 IU	Folic acid ¹³	26 mg
Vitamin E ³	5 400 mg	Iron ^{16 a, b}	158 mg
Vitamin B1 ^{5 b}	110 mg	Zinc ^{17 a, b}	2 600 mg
Vitamin B2 ⁶	175 mg	Manganese ^{18 a, b}	3 560 mg
Vitamin B6 ⁷	86 mg	Copper ^{19 a, b}	830 mg
Vitamin B12 ⁸	220 mcg	Cobalt ²⁰	33 mg
Biotin ⁹	11 000 mcg	Selenium ^{21 b}	8 mg
Calcium-D-pantothenate ¹⁰	104 mg	Iodine ²²	0.4 mg
Cholin chloride ¹¹	2 060 mg	L-carnitine ²³	24 860 mg

Technological additives

Diatomaceous earth ²⁶

* Read the exact connections on page 138.

GLANDOGARD®

Special micronutrients for older horses
with metabolic disorders

The transitions are often fluid: a horse that is vital and full of life throughout its life can develop over the years into a tired senior with a long coat who is susceptible to infections. Through knowledge from science and practice, we now know more about the feed-related interrelationships, which means that nutrient deficiencies can be compensated for in a targeted manner. Glandogard® aims at an effective supplementation with natural functional nutrients.

- Gentle metabolism harmonization
- Cell protection through highly efficient natural antioxidants
- Targeted nutrient balancing



Complementary feed
for horses

Bucket 3,75 kg



Vital substances against tissue destruction

This nutritional concept compensates for specific vital substance deficiencies. **Glandogard®** supports the body's own radical defense via highly efficient natural antioxidants. Because a main reason for age-related problems today is seen in cell damage caused by free oxygen radicals. The destructive molecules, as well as the cell tissues affected, are very diverse. Among other things, the glandular tissue of the pituitary gland can be affected, which can lead to hormonal changes. A reliable protective effect is therefore only possible with appropriately diverse and targeted antioxidants. Thus, **Glandogard®** not only uses antioxidant nutrients such as natural vitamin E, highly bioavailable vitamin C and organically bound selenium; rather, it focuses on complex vital substance sources such as monk's pepper, milk thistle seeds, buckwheat, ginger and brewer's yeast. The cell-protective substances of these plants are of particular diversity and specificity.

Glandogard® also provides a variety of natural ingredients that target problem-specific nutrient deficiencies. These include a comprehensive complex of vitamins and organically bound trace elements as well as natural substances such as garlic, fenugreek, linseed oil, seaweed and red clover blossoms.

What Glandogard® does

The nature-oriented nutrient concentrate is adapted to the needs of older horses that are in a special metabolic situation and thus contributes to giving the affected horses a better quality of life.





Feeding recommendation

As supplementary feeding to the usual basic feed supply with roughage and/or pasture grass, we recommend offering **Glandogard®** mixed with the crib feed.

Horses from 400 kg body weight: **approx. 25 g per 100 kg body weight and day**

Small horses and ponies up to 400 kg body weight: **approx. 30 g per 100 kg body weight and day.**

1 measuring cup corresponds to approx 110 g

Composition

Brewer's yeast, herbs (blueberry leaves, shepherd's purse, honeysuckle, meadowsweet, buckwheat herb, monk's pepper, milk thistle seeds, fenugreek seeds), malt-yeast-seasoning, oil mixture cold pressed (linseed, sunflower, black cumin oil), Indian ginseng, red clover, magnesium fumarate/phosphate/oxide, ginger, cinnamon, salt, garlic, seaweed lime, artichokes, amla berry, vinegar, turmeric

Ingredients

Crude protein.....	15 %	Starch	5 %
Crude fat	5.6 %	Sugar	3.3 %
Crude fibre	5 %	Calcium.....	0.6 %
Crude ash	8 %	Phosphorus.....	0.5 %
Digestible crude protein	110 g/kg	Magnesium.....	0.8 %
Digestible energy	12 MJ/kg	Sodium	0.7 %
Metabolisable energy	10.7 MJ/kg		

Additives per kg*:

Nutritional additives

Vitamin A ¹	34 000 IU	Cholin chloride ¹¹	90 mg
Vitamin D3 ²	3 700 IU	Niacin ¹²	177 mg
Vitamin E ³	5 100 mg	Folic acid ¹³	10 mg
Vitamin B1 ⁵	95 mg	Iron ^{16 a, b}	225 mg
Vitamin B2 ⁶	172 mg	Zinc ^{17 a, b}	1 800 mg
Vitamin B6 ⁷	85 mg	Manganese ^{18 a, b}	2 500 mg
Vitamin B12 ⁸	94 mcg	Copper ^{19 a, b}	560 mg
Biotin ⁹	8 000 mcg	Cobalt ²⁰	12 mg
Calcium-D-pantothenate ¹⁰ ..	40 mg	Selenium ^{21 a, b}	3 mg

Technological additives

Diatomaceous earth ²⁶ 6 200 mg

* Read the exact connections on page 138.

EQUIMEB® HEPA

Nutrient concentrate to support liver function

Equimeb® Hepa provides liver-supporting nutrients in increased concentrations to supplement daily crib feed rations. This allows horses to receive support for liver function, regardless of crib feed amount or type.

- Liver-strengthening nutrient combination
- To support liver cell regeneration
- With milk thistle seeds and artichoke

Nutrients for the liver

The formation of new liver cells is favored by special substances from milk thistle seeds and the processing of fats in the liver is facilitated by bitter substances from the artichoke. The essential amino acids lysine and methionine are available as nutrient elements for cell regeneration.

Functional protective nutrients

Linseed, brewer's yeast, wheat bran and B vitamins promote a healthy intestinal environment, helping to reduce organ-damaging intestinal toxins. A key role in protecting organ cells against radical compounds is played by natural antioxidants, so-called OPCs from grape seeds, vitamin E, B vitamins, zinc, selenium, magnesium, as well as membrane-stabilizing essential fatty acids from linseed.

When do I feed Meta-Diät and when Equimeb® Hepa?

Equimeb® Hepa as well as Meta-Diät provide the organism with nutrients that support liver function. Meta-Diät is a crib feed substitute and must be fed in larger amounts for sufficient organ functional nutrients to take effect, which is especially difficult to implement in boarding stables. In addition, for many horses, the crib feed ration must be drastically restricted due to light feeding or low workload, so that not enough Meta-Diät can be fed. For these cases **Equimeb® Hepa** is very well suited.



Complementary feed
for horses
Bucket 3 kg

Feeding recommendation

Offer approx. 10-20 g per 100 kg body weight and day with the crib feed. Note: Not suitable for mineralisation to cover requirements. We recommend the combination with **MicroVital®**.

1 measuring cup corresponds to approx. 110 g

Composition

Malt, wheat bran, brewer's yeast, maize flakes (lactofermented), herbs (milk thistle seeds, artichoke, peppermint, fennel, aniseed) 13.5 %, alfalfa chaff, beet fibres, maize germs, PalaSyrup (Isomaltulose mol.), carrots, linseed gently cracked and oil cake mixture (linseed, sunflower seeds) 3 %, Garlic, fruit fibres (apple/grape), oil mixture cold pressed (linseed, sunflower, black cumin and grape seed oil) 1.3 %, beet syrup, calcium carbonate (marine and mineral), seaweed meal, magnesium phosphate/lysinate/fumarate/sulphate, salt, pea flake meal, turmeric

Ingredients

Crude protein.....	12 %	Phosphorus.....	0.5 %
Crude fat.....	6 %	Magnesium.....	0.3 %
Crude fibre.....	11 %	Sodium.....	0.36 %
Crude ash.....	7.8 %	Lysine.....	0.8 %
Calcium.....	0.8 %	Methionine.....	0.3 %

Additives per kg*: Nutritional additives

Vitamin A ¹	11 000 IU	Cholin chloride ¹¹	2 000 mg
Vitamin D3 ²	1 200 IU	Niacin ^{12b}	150 mg
Vitamin E ³	3 000 mg	Folic acid ¹³	3 mg
Vitamin C ⁴	3 500 mg	Iron ^{16b}	500 mg
Vitamin B1 ^{5b}	1 000 mg	Zinc ^{17b}	900 mg
Vitamin B2 ⁶	2 000 mg	Manganese ^{18b}	750 mg
Vitamin B6 ⁷	1 000 mg	Copper ^{19b}	95 mg
Vitamin B12 ⁸	180 mcg	Cobalt ²⁰	0.6 mg
Biotin ⁹	350 mcg	Selenium ^{21b}	0,5 mg
Calcium-D-pantothenate ¹⁰	12 mg	Iodine ²²	0.44 mg

Technological additives

Diatomaceous earth ²⁶	3 200 mg
Bentonite ²⁸	2 240 mg

Digestibility enhancer

*Saccharomyces cerevisiae*³⁰..... 4 x 10⁹ CFU

* Read the exact connections on page 138.

META-DIÄT

Supports liver and kidney function

Diet-complementary feed for horses to support liver function in chronic liver insufficiency. Crib feed alternative to support and protect the liver and kidneys.

- Supports liver cell regeneration
- Adapted amino acid pattern
- With specific nutritional herbs such as milk thistle seeds and artichoke

The **Meta-Diät** offers horses with liver and kidney problems an alternative to conventional concentrated feed. Selected nutrients help promote a healthy gut microbiome, support liver function and protect organ cells. **Meta-Diät** is characterised by a moderate but high-quality protein content, essential amino acids, easily digestible carbohydrates and a high content of essential fatty acids with an overall low total fat content.

Diet-complementary feed
for horses to support liver function in
chronic liver insufficiency

Paper bag 25 kg



Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of **approx. 400-500 g per 100 kg body weight and day**, no additional mineral feed is necessary. The total amount should be spread over several rations. For lower dosage we recommend supplementing with **Equimeb Hepa®** and **MicroVital®**. For higher energy requirements, supplement with e.g. **C'Real Basics® Maisflocken** and/or **Glyx-Wiese® Heucobs**.

The recommended feeding period is initially up to 6 months. It is recommended to seek advice from a veterinarian before use or before extending the feeding duration.

1 litre corresponds to approx. 750 g

Composition

Maize flakes (lactofermented), wheat bran, maize germs, alfalfa chaff, beet fibre, malt, herbs (milk thistle seeds, peppermint, artichokes) 6.5 %, oil seeds gently cracked and oil cake mixture (linseed, sunflower seeds, fennel seeds) 3.9 %, PalaSyrup (Isomaltulose mol.), brewer's yeast, fruit fibres (apple/grape), barley flakes (lactofermented), calcium carbonate (marine and mineral), carrots, sweet whey powder, salt, rice germs, garlic, turmeric, dicalcium phosphate, vinegar, magnesium phosphate/oxide/fumarate/sulphate, oil mixture cold pressed (linseed, sunflower, maize germ oil) 0.1 %, seaweed meal, malt-yeast-seasoning, pea flake meal

Ingredients

Crude protein	12.0 %	Starch	20 %
Crude fat	7.5 %	Sugar	5.5 %
Crude fibre	10 %	Calcium	1 %
Crude ash	7.2 %	Phosphorus	0.5 %
Digestible crude protein	82.8 g/kg	Magnesium	0.3 %
Digestible energy	11.6 MJ/kg	Sodium	0.5 %
Metabolisable energy	10.5 MJ/kg	Methionine	0.7 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	16 000 IU	Niacin ^{12 a}	37 mg
Vitamin D3 ²	1 855 IU	Folic acid ¹³	4.6 mg
Vitamin E ³	460 mg	Iron ^{16 a, b}	20 mg
Vitamin B1 ^{5 b}	10 mg	Zinc ^{17 a, b}	217 mg
Vitamin B2 ⁶	11 mg	Manganese ^{18 a, b}	144 mg
Vitamin B6 ⁷	5.5 mg	Copper ^{19 a, b}	19 mg
Vitamin B12 ⁸	37 mcg	Cobalt ²⁰	0.7 mg
Biotin ⁹	450 mcg	Selenium ^{21 a, b}	0.5 mg
Calcium-D-pantothenate ¹⁰	19 mg	Iodine ²²	0.7 mg
Cholin chloride ¹¹	371 mg		

Technological additives

Diatomaceous earth²⁶ 2 870 mg

Digestibility enhancer

*Saccharomyces cerevisiae*³⁰ 8,74 x 10⁸ CFU

* Read the exact connections on page 138.

LINUSTAR®

For a shiny coat and regulated digestion

The golden yellow linseed, gently cracked in a patented process, supports intestinal function, protects the stomach mucosa and contributes to its regeneration by providing swelling-active mucous substances that form a protective film on the sensitive mucous membranes. Diet-related digestive disorders can thus be counteracted.

- For support during the change of coat
- Rich in high-quality mucilage and omega-3 fatty acids
- Highly processed through gently cracking eliminates the need for crushing or cooking

Shiny appearance

The horse's health and well-being are reflected in its appearance. Dry, brittle skin, dandruff and a dull, lacklustre coat can be signs of an insufficient supply of specific nutrients. Besides trace elements, essential fatty acids are particularly lacking. The high concentration of omega-3 fatty acids (α-linolenic acid) and omega-6 fatty acids (linoleic acid) in **LinuStar®** supports the skin and coat in a natural way.

Patented cracking process

Cracking puts hairline cracks in the shell of the seed. In this way, the seed is still protected against oxidation and thus against spoilage. However, when it comes into contact with liquids such as water or digestive secretions, the shell swells and the mucilage and other nutrients are accessible to the organism.

The golden yellow linseed naturally forms less prussic acid and therefore does not need to be cooked before feeding. This means that all the valuable ingredients such as omega-3 fatty acids, vitamin E and the important mucilage remain intact.



Feeding recommendation

Offer approx. **10-20 g per 100 kg body weight and day** mixed with the crib feed or Mash. *Note: In case of need, double the amount can be given temporarily.*

1 measuring cup corresponds to approx. 110 g.

Application for the stomach:

Pour warm water (approx. 40 °C) over **LinuStar®** and allow to swell for approx. 25 min. The formation of mucus is immediately apparent. Now feed together with the crib feed or Mash. The mucilage acts like a protective film on the stomach mucosa.

Application for the intestines:

Simply mix **LinuStar®** dry into the crib feed. The linseed swells during digestion and the mucilage is available to the intestine.

Composition

Golden yellow linseed gently cracked

Ingredients

Crude protein.....	16 %
Crude fat	30 %
Crude fibre	18 %
Dietary fibre.....	27 %



Complementary feed
for horses

Bucket 5 kg & 10 kg





HEFEKULTUR

Yeast cultures combined with highly bioavailable trace elements provide natural B vitamins as well as nutrients to support the large intestine microbiome and build a healthy intestinal environment.

- Yeast cultures to improve fermentative digestion
- Supports and specifically promotes the intestinal microbiome
- For digestive problems and for better crude fibre utilisation

Health rises from the gut

The microbiome is the totality of all microorganisms that are located on and in the body. The term intestinal microbiome covers the intestinal microbiome, which consists of billions of microorganisms. This sensitive system can be disturbed by an unbalanced feed ration or insufficient basic feed quality. To promote the growth and quality of a healthy intestinal microbiome in this case, the administration of trace elements and live yeast cultures is recommended. They enter into an active symbiosis with the natural intestinal microbiome, thus repressing undesirable microorganisms.

In our **Hefekultur**, highly bioavailable micronutrients for enzymatic digestion are combined with live yeast cultures to build up the large intestine microbiome. Feeding effects quickly show up in growth and higher quality of the existing "good" gut bacteria. A stable digestive tract improves the immune system in the long term, the self-synthesis of B-complex vitamins and thus contributes significantly to the horse's well-being and enjoyment of life and performance.

Due to the harmonious intestinal microbiome, a more effective digestion of roughage and pasture forage is achieved and the absorptio



Complementary feed
for horses

Can 1 kg
Bucket 2.5 kg



Feeding recommendation

Offer approx. 5 g per 100 kg body weight and day with the crib feed. Note: If necessary, double the amount can be given temporarily.

1 measuring spoon corresponds to approx. 15 g

Composition

Brewer's yeast 30 % (of which 1 % yeast products (rich in RNA and nucleotides)), wheat bran (yeast fermented), oil cake mixture (linseeds, sunflower seeds) 9 %, oil mixture cold pressed (linseed, sunflower oil) 7 %, fruit fibres (apple/grape), sweet potato, malt-yeast-seasoning, magnesium fumarate/lysinate, herbs (ginger, turmeric, fennel) 1.2 %, barley germs, certified plant feed charcoal, vinegar, chicory inulin

Ingredients

Crude protein	25 %
Crude fat	10 %
Crude fibre	9 %
Crude ash	6.9 %
Digestible crude protein	202 g/kg
Digestible energy	15 MJ/kg
Metabolisable energy	13 MJ/kg
Starch	5.6 %
Sugar	3 %
Calcium	0.6 %
Phosphorus	0.8 %
Sodium	0.2 %

Additives per kg*:

Nutritional additives

Iron ^{16 a, b}	400 mg
Zinc ^{17 b}	60 mg
Manganese ^{18 b}	40 mg
Copper ^{19 b}	25 mg
Cobalt ²⁰	80 mg

Technological additives

Clinoptilolite ²⁹	48 mg
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Digestibility enhancer

Saccharomyces cerevisiae ³⁰	9 x 10 ¹⁰ CFU
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* Read the exact connections on page 138.

ROBUSAN®

Put a stop to digestive problems!

The "emergency" bar for faecal water and digestive problems. The efficient and natural solution for intestinal problems!

- For stubborn faecal water & irritated intestines
- Promotes a physiological gut microbiome for healthy digestion
- Over 80 natural spice & herb components optimise the function of the gut microbiome

Free faecal water is a particular problem for horse and horse owner. The causes are often manifold. Bacterial and viral pathogens, untreated infections with intestinal parasites, but also jaw and dental problems can cause free faecal water. Factors such as social status, stress management and psychological stress should also be considered as triggers. Allergies (e.g. feed allergy) should also not be disregarded in connection with faecal water. Horses are particularly sensitive to faecal water and diarrhoea in the autumn and winter months when they are switched from pasture to hay feeding and to contaminated basic and concentrated feed. Both basic feed and bedding can be contaminated with harmful bacteria or fungi due to faulty fermentation or incorrect storage. These organisms produce toxic metabolic products (e.g. mycotoxins, biogenic amines). Their degradation takes place via the liver and is highly stressful for this organ, which can sooner or later lead to severe disorders of the digestive and detoxification metabolism. Therefore, liver problems and intestinal inflammation often go hand in hand. Because of the complexity of the problem of faecal water, the administration of medicinal charcoal, psyllium or clay minerals, for example, only leads to success in limited cases. It is precisely these complex relationships that have been taken into account in the composition of the individual components in the **Robusan®** intestinal bar from **St. Hippolyt®**.



Complementary feed
for horses

Carton with 28 bars á 40 g.



Feeding recommendation

At the first signs of faecal water:

Large horse: Two bars per day until the digestive situation has normalised. Then continue with one bar per day until the carton is used up.

Small horses and ponies: One bar per day until the digestive situation has normalised. Then continue with ½ bar per day until the carton is used up.

*Note: Follow up with **Brandon® plus medigest** if needed. In case of already longer existing faecal water problems, an extension of the cure to at least 2-3 cartons of **Robusan®** or an additional intestinal rehabilitation with **Brandon® plus gastrointestinal** is recommended.*

1 bar corresponds to approx. 40 g

Composition

Sainfoin, PalaSyrap (Isomaltulose mol.), herbal preparation, certified plant feed charcoal

Ingredients

Crude protein	12 %
Crude fat	1.9 %
Crude fibre	28 %
Crude ash	10.3 %
Digestible crude protein	83 g/kg
Digestible energy	6.4 MJ/kg
Metabolisable energy	4.9 MJ/kg
Starch	2.3 %
Sugar	5.5 %
Calcium.....	1.5 %
Phosphorus.....	0.3 %
Magnesium.....	0.25 %
Sodium	0.1 %

Further information
on Robusan®
you will find here:



SEMICOLON

Intestinal microbiome bar – Barely a problem!

Health begins in the gut! The symbiosis between the organism and the intestinal microbiome determines health and well-being. If this sensitive system is disturbed by pathogens, pollutants or other stressors, it can lead to a dysbalance of the intestinal microbiome, with digestive problems as a consequence. For persistent digestive problems of any kind, even without a known cause, SemiColon provides specific functional compounds, pre- and probiotics to restore balance in the gut.

- For persistent, long-lasting digestive problems
- Promotes the physiological intestinal microbiome
- With functional nucleotides, as well as pre- and probiotics to support regeneration

For only a few years now, there has been increasing recognition that the intestinal microbiome, i.e. the totality of the microorganisms settled in the digestive tract, decisively determines the health and well-being of an organism. Not only digestive disorders directly related to the intestinal microbiome, such as faecal water, diarrhea, flatulence, etc., but also metabolic diseases, skin problems, nervousness and stress, susceptibility to infections and a weakened immune system are associated with dysbiosis of the microbial population in the intestine.

The intestinal microbiome urgently needs specific nutrients and functional substances for regeneration, which in turn has a positive effect on the health and well-being of the entire body.



Complementary feed
for horses

Carton with 28 bars á 50 g.



Feeding recommendation

Large horse: One bar per day until the digestive situation has normalised. Then continue with a ½ bar per day until the carton is used up.

Small horses and ponies: One ½ bar per day until the digestive situation has normalised and consistently use up the carton started.

Note: In case of already longer existing digestive problems, an extension of the cure to at least 2-3 cartons of SemiColon or an additional intestinal rehabilitation with Brandon® plus gastrointestinal is recommended.

1 bar corresponds to approx. 50 g

Ingredients

Crude protein.....	20 %
Crude fat	5.6 %
Crude fibre	10 %
Crude ash	9 %
Digestible crude protein	156 g/kg
Digestible energy	11 MJ/kg
Metabolisable energy	9 MJ/kg
Starch and sugar (precaecal digestible)	< 10 %
Calcium.....	0.7 %
Phosphorus.....	0.4 %
Magnesium.....	0.1 %
Sodium	0.4 %
Potassium	0.3 %
Lysine.....	1.2 %
Methionine	0.3 %
Methionine + Cysteine.....	0.5 %

Composition

Grass chaff warm air dried, yeast products (rich in RNA and nucleotides), rice bran (lactofermented), pea protein isolate, short-chain fructo oligosaccharides, oil-seeds gently cracked and oil cake mixture (linseed, sunflower seeds), rice bran, certified plant feed charcoal, wheat bran, Pala-Syrup (Isomaltulose mol.), herbs and spices composition (milk thistle seeds, galangal root, anise seed, fennel seeds, caraway seeds), artichoke, chlorella algae, corn germs, beet fibre, carrots, seaweed lime, malt-yeast-seasoning, magnesium fumarate/sulfate, salt, oil mixture cold pressed (linseed, sunflower, canola oil), chicory inulin, garlic, pea flake meal, fruit fibre (apple/ grape), turmeric

Additives per kg*:

Nutritional additives

Vitamin A ¹	40 000 IU
Vitamin D3 ²	5 000 IU
Vitamin E ³	220 mg
Vitamin B1 ^{5b}	828 mg
Vitamin B2 ⁶	1 632 mg
Vitamin B6 ⁷	816 mg
Vitamin B12 ⁸	220 mcg
Biotin ⁹	550 mcg
Calcium-D-pantothenate ¹⁰	50 mg
Niacin ^{12b}	100 mg
Folic acid ¹³	1.5 mg
Iron ^{16a, b}	6 mg
Zinc ^{17a, b}	85 mg
Manganese ^{18a, b}	75 mg
Copper ^{19a, b}	13 mg
Cobalt ²⁰	32 mg
Selenium ^{21a, b}	0.2 mg

Technological additives

Clinoptilolite ²⁹..... 40 mg

Digestibility enhancer

Saccharomyces
cerevisiae ³⁰..... 4 x 10⁹ CFU

Further information
on Semicolon
you will find here:



* Read the exact connections on page 138.

EQUILIZER®

Doping-free concentration and composure

The special herbal preparation with ginseng, melissa and camomile, essential fatty and amino acids as well as high doses of vitamin B12 increases the horse's mental resilience in all stressful situations.

- To reduce stress when changing stables, during transport, breaking in or standing periods
- For increased nervous tension and temperament problems
- Ideally suited for sport horses (doping-free)

Sensitiv flight animal

As flight animals, horses are very sensitive to environmental stimuli. Even riding can become an adventure. The horse's over-excitability is intensified by various stress factors. These include excessive demands in training and competition, lack of exercise, transport, change of stable, irregular feeding times or ranking problems in group husbandry.

Hecticness due to malnutrition?

Over-excitement can also be promoted by one-sided feeding. Excessive grain rations, lack of forage herbs and vital substances often promote fussiness. **Equilizer®** is a doping-free "anti-stress supplement" that fills gaps in the nutrient supply of the nervous system. Stable nerve function is promoted and horses remain more relaxed even in stressful situations.

Nervous nutrition

Equilizer® contains herbs and substances rich in vital substances such as ginseng, taiga root, camomile and melissa. A highly available magnesium-protein complex helps to curb the excessive release of stress hormones. Added lecithin, in conjunction with multiple B vitamins, ensures more stable transmission of nerve impulses.

Nerve problems due to radical substances

Stress also produces aggressive radical substances which, in the long term, attack the protective layer of the nerve pathways and can endanger regulated nerve impulse conduction. The possible effects include unpredictable behaviour of the horse and muscle tension. **Equilizer®** therefore contains a variety of natural protective substances to neutralise the radical substances. Essential fatty acids from plant seeds and natural lecithin contribute to the regeneration of the protective nerve sheath.



Complementary feed
for horses

Can 1 kg
Bucket 2.5 kg



Feeding recommendation

Offer approx. 5 g per 100 kg body weight and day mixed with the crib feed. *Note: In case of need, double the amount can be given temporarily. Not suitable for mineralisation to cover requirements.*

1 measuring spoon corresponds to approx. 11 g

Composition

Rice bran, brewer's yeast, herbs (passionflower, milk thistle seeds, taiga root (Siberian ginseng), melissa, ginseng, camomile) 16 %, chlorella algae macerate, pea flake meal, seaweed meal, magnesium lysinate, oil mixture cold pressed (linseed, sunflower oil), PalaSyrup (Isomaltulose mol.), vinegar

Ingredients

Crude protein	17 %	Metabolisable
Crude fat	13 %	energy
Crude fibre	7.5 %	Starch
Crude ash	13 %	Sugar
Ash insoluble in		Calcium.....
hydrochloric acid	5 %	Phosphorus.....
Digestible crude		Magnesium.....
protein.....	129 g/kg	Sodium
Digestible		Lysine.....
energy	12.4 MJ/kg	Methionine

Additives per kg*:

Nutritional additives

Vitamin A ¹	30 000 IU	Cholin chloride ¹¹	113 mg
Vitamin D3 ²	3 900 IU	Niacin ^{12 a}	87 mg
Vitamin E ³	2 700 mg	Folis acid ¹³	10 mg
Vitamin B1 ^{5 b}	2 400 mg	Iron ^{16 a, b}	32 mg
Vitamin B2 ⁶	4 850 mg	Zinc ^{17 a, b}	88 mg
Vitamin B6 ⁷	2 400 mg	Manganese ^{18 a, b}	50 mg
Vitamin B12 ⁸	10 000 mcg	Copper ^{19 a, b}	30 mg
Biotin ⁹	520 mcg	Cobalt ²⁰	3.7 mg
Calcium-D-		Selenium ^{21 a}	0.5 mg
pantothenate ¹⁰	40 mg	Iodine ²²	0.4 mg

Technological additives

Diatomaceous	
earth ²⁶	20 000 mg
Lecithins ²⁷	50 000 mg
Clinoptilolite ²⁹ ..	50 000 mg

* Read the exact connections on page 138.



ANTI-STRESS KRÄUTERPELLETS

The proven herbal preparation with
valerian and magnesium

- To reduce stress during change of stable & box rest periods
- With the power of calming nutritional herbs
- To compensate a high magnesium demand in stress situations

The **Anti-Stress Kräuterpellets** are a proven herbal preparation to increase the mental resilience of the horse in stressful situations. In horse feeding, the use of soothing medical and aromatic plants has long been proven to be successful with regard to nervousness, restlessness and stress. In addition to valerian, the most well-known ingredients include passion flower, Siberian ginseng, hops, lemon balm and lavender. In addition, milk thistle seeds support the liver with its detoxification work, because a functioning detoxification system is the basis for a stable nervous system. A deficiency of B vitamins can also lead to increased nervousness and susceptibility to stress in horses. A strong nervous system is the basis for a balanced temperament of the horse.



Complementary feed
for horses

Bucket 3 kg & 10 kg

Feeding recommendation

Offer approx. 10-20 g per 100 kg body weight and day mixed with the crib feed. Note: Not suitable for mineralisation to cover requirements.

1 measuring cup corresponds to approx. 120 g

Composition

Herbs (valerian, peppermint, passion flower, lavender, lemon balm, taiga root (Siberian ginseng), St. John's wort, milk thistle seeds, rosemary, hawthorn, turmeric) 40 %, magnesium fumarate/oxide, oilseed mixture gently cracked (linseed, sunflower seeds), soy flakes hydrothermally processed*, maize germs, seaweed lime, oil mixture cold pressed (linseed, sunflower oil), apple syrup, hops, barley flakes (lactofermented), fruit fibres (apple/grape), salt, vinegar, dicalcium phosphate

* Soy from regional contract farming (GMO-free) exclusively for St. Hippolyt

Ingredients

Crude protein	12.5 %
Crude fat	10 %
Crude fibre	9 %
Crude ash	12 %
Digestible crude protein	87 g/kg
Digestible energy	13.7 MJ/kg
Metabolisable energy	12.5 MJ/kg
Starch	4.0 %
Sugar	3.6 %
Calcium.....	2.2 %
Phosphorus.....	0.4 %
Magnesium.....	3 %
Sodium	0.3 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	40 000 IU
Vitamin D3 ²	5 000 IU
Vitamin E ³	3 000 mg
Vitamin B1 ⁵	245 mg
Vitamin B2 ⁶	466 mg
Vitamin B6 ⁷	233 mg
Vitamin 12 ⁸	133 mg
Calcium-D-pantothenate ¹⁰	50 mg

Technological additives

Diatomaceous earth ²⁶	12 500 mg
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* Read the exact connections on page 138.

MAGNESIUM B12

Nutrients for nerve and muscle cells

Nerve food – magnesium and vitamin B12 provide the perfect support for nerve and muscle cells.

- For stress-prone horses to increase nervous resilience
- To improve nervous function
- To improve performance and concentration

Magnesium in metabolism

Magnesium is involved in more than 300 enzymatic metabolic reactions. It has important functions in the transmission of nerve impulses, the inhibition of stress hormones and muscle contraction. A deficiency of magnesium can promote muscle and nerve problems, deteriorated reactivity, reluctance to work, metabolic problems and muscle stiffness can be the result.

Vitamins for functional nerves

Vitamin B12 plays an equally important role in metabolism. Vitamin B12 is particularly essential for nervous resilience, nervous performance, efficiency and the ability to concentrate. It also stimulates the appetite and supports feed conversion by improving the regeneration of the mucous membrane. A vitamin B12 deficiency can lead to increased susceptibility to stress, nervousness, reduced mental and physical resilience, exhaustion, loss of appetite and poor feed conversion.



Complementary feed
for horses

Can 1 kg
Bucket 2.5 kg



Feeding recommendation

Offer approx. 5 g per 100 kg body weight and day with the crib feed.

Note: Not suitable for mineralisation to cover requirements.

1 measuring spoon corresponds to approx. 13 g

Composition

Magnesium fumarate 20 %, magnesium oxide 19 %, oil cake mixture (linseed, sunflower seeds) 10 %, oil mixture cold pressed (linseed, sunflower oil) 9.2 %, maize germ, magnesium sulphate 4.8 %, carrots, wheat bran, brewer's yeast, fruit fibres (apple/grape), herbs (honeysuckle, blueberry leaves, meadowsweet, peppermint, camomile), banana flour, cinnamon, turmeric, vinegar

Ingredients

Crude protein	6.5 %
Crude fat	13 %
Crude fibre	3.8 %
Crude ash	11 %
Digestible energy	13.2 MJ/kg
Metabolisable energy	12.6 MJ/kg
Starch	2.6 %
Sugar	1.2 %
Calcium.....	1.6 %
Phosphorus.....	0.1 %
Magnesium.....	16 %
Sodium	0.1 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	300 000 IU
Vitamin D3 ²	37 400 IU
Vitamin E ³	21 530 mg
Vitamin B1 ^{5b}	2 244 mg
Vitamin B2 ⁶	4 300 mg
Vitamin B6 ⁷	2 150 mg
Vitamin B12 ⁸	23 000 mcg
Biotin ⁹	3 740 mcg
Selenium ^{21b}	0.3 mg

* Read the exact connections on page 138.

Strength
lies in
tranquility



MAKOR®

Loose with heart power

Loose and well-trained muscles are the basis of all equestrian disciplines. Specific nutrients such as magnesium and vitamin E are of particular importance for training success. Magnesium promotes muscle relaxation after contraction and supports the transmission of stimuli between nerve and muscle cells. Vitamin E improves oxygen supply to the cell for continuous performance.

- Highly dosed and highly bioavailable magnesium and vitamin E
- For loose muscles especially during training and competition season (doping-free)
- For tension, weather sensitivity and to compensate for increased nutrient requirements

Recognizing magnesium deficiency

In phases of higher physical and mental stress, the requirement often quickly exceeds the supply from the basic feed ration. Horses in hard training periods or competitions, young horses in training, old horses and heavily pregnant mares are particularly often affected. Possible consequences of a nutritional deficiency are muscle tension and blockages up to muscle cramps as well as premature contractions in pregnant mares. More subtle signs such as anxiety, shortness of breath and tingling legs in connection with deficiency-related cardiovascular problems and resulting weather-related colic are also possible.

The solution

Makor® quickly and reliably compensates for the increased nutrient requirement with highly bioavailable magnesium components and natural vitamin E. A selection of valuable herbs, such as circulatory-stabilising hawthorn, sensibly rounds off the formula. Magnesium controls muscle function and energy metabolism. Vitamin E improves the supply of oxygen to the cells. The need for these nutrients increases especially in phases of high physical and mental stress. **Makor®** has proven its worth in times of increased training intensity, during competitions, with tense, anxious horses, during stable or climate changes, weather sensitivity, listlessness, longer journeys, pregnancy or birth and in stress situations. Unbalanced horses react more calmly, tense horses become more rideable and weather-sensitive horses are more stable.



Complementary feed
for horses

Can 1 kg



The power of the heart

MAKOR® LIQUID

Loose with heart power

Feeding recommendation

Offer **approx. 5 g per 100 kg body weight and day** mixed with the crib feed. *Note: In case of need, double the amount can be given temporarily. Not suitable for mineralisation to cover requirements.*

1 measuring spoon corresponds to approx. 15 g

Composition

Liposomal encapsulated magnesium mixture (magnesium fumarate 22 %, magnesium oxide 9 %, magnesium sulphate 3.7 %, magnesium lysinate 0.5 %) 35.2 %, herbs (hawthorn (liposomal encapsulated), rosemary, fennel) 30 %, oil mixture cold pressed (linseed oil, sunflower oil) 8 %, pea flake meal, wheat bran (yeast fermented), garlic, maize germs, brewer's yeast, salt, fruit fibres (apple/grape), seaweed meal, beet syrup 0.8 %, calcium carbonate (marine and mineral), turmeric, cinnamon, vinegar

Ingredients

Crude protein	6.5 %	Calcium.....	1 %
Crude fat	10.4 %	Phosphorus.....	0.2 %
Crude fibre	7 %	Magnesium.....	10 %
Crude ash	13.2 %	Sodium	0.6 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	40 000 IU	Zinc ^{17 a}	280 mg
Vitamin D3 ²	4 400 IU	Manganese ^{18 a}	140 mg
Vitamin E ³	40 000 mg	Copper ^{19 a}	40 mg
Vitamin C ⁴	9 500 mg	Cobalt ²⁰	15 mg
Vitamin B12 ⁸	5 000 mcg	Selenium ^{21 b}	1 mg
Biotin ⁹	450 mcg	Iodine ²²	1.6 mg
Iron ^{16 a, b}	300 mg		

Liposomal encapsulation for increased bioavailability many times over

In **Makor® LIQUID** nutrients are liposomal encapsulated for protected delivery to their destination in the body. Dispersed by nanodispersion into minute droplets, liquids are formed with stable liposomes and the micronutrients enclosed within. The overall effect is an increased efficiency of the respective micronutrient due to the bioavailability and resorption rate increased many times over.

Feeding recommendation

Offer **approx. 5 ml per 100 kg body weight and day** mixed with the crib feed or administer directly via a mouth syringe.

Note: In case of need, double the amount can be given temporarily. Not suitable for mineralisation to cover requirements.

Composition**

Magnesium citrate, short-chain fructo oligosaccharides, oil mixture (linseed, sun-flower oil), whole plant decomposition (hawthorn, passion flower, hops)

Ingredients

Crude protein	0.04 %
Crude fat	1.7 %
Crude fibre	0.02 %
Crude ash	0.1 %
Calcium.....	0 %
Phosphorus.....	0 %
Magnesium.....	1.4 %
Sodium	0 %

Additives per kg*:

Nutritional additives**

Vitamin E ³	47 500 mg
Vitamin C ⁴	8 000 mg
Vitamin B12 ⁸	20 mcg

Technological additives**:

Lecithins ²⁷	20 000 mg
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Complementaring feed
for horses

Dosing bottle 1 l



* Read the exact connections on page 138.

** Liposomal encapsulated nutrients

VITAMIN E + SELEN

Optimal cell protection

Antioxidants such as vitamin E, selenium and oligomeric proanthocyanidins (OPCs) are needed by the organism as cell protection during increased strain due to sport and stress. The possible uses of Vitamin E + Selen are manifold and not limited to the sport horse alone.

- For increased demands of the sport horse for more willingness to perform
- High content of antioxidants against free radicals
- Looseness and performance through active cell protection of muscles and joints
- Grain-free and therefore also suitable for horses with metabolic disorders



Diet-complementary feed for horses to support preparation for and recovery from athletic exertion.

Can 1 kg
Bucket 2.5 kg



Feeding recommendation

Offer approx. 5 g per 100 kg body weight and day mixed with the crib feed.

Note: If necessary, double the amount can be given temporarily. Not suitable for mineralisation to cover requirements.

The recommended feeding period is up to 8 weeks before exercise and up to 4 weeks after exercise.

1 measuring spoon corresponds to approx. 15 g

Composition

Maize germs, herbs (hawthorn, parsley, camomile), grass chaff warm air dried, soy flakes hydrothermally processed*, fruit fibres (apple/ grape), carrots, beet fibres, brewer's yeast, PalaSyrup (Isomaltulose mol.), seaweed lime, barley germs, magnesium sulphate/oxide, oil mixture cold pressed (linseed oil, sunflower oil), turmeric, vinegar, cinnamon

* Soy from regional contract farming (GMO-free) exclusive for St. Hippolyt

Ingredients

Crude protein	11 %
Crude fat	9 %
Crude fibre	8.4 %
Crude ash	7.6 %
Digestible crude protein	74 g/kg
Digestible energy	12.2 MJ/kg
Metabolisable energy	11.1 MJ/kg
Calcium	1.4 %
Phosphorus	0.1 %
Magnesium	0.2 %
Sodium	0.1 %
Lysine	0.7 %
Methionine + Cysteine	0.2 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	175 000 IU	Cholin chloride ¹¹	468 mg
Vitamin D3 ²	20 000 IU	Niacin ^{12 b}	400 mg
Vitamin E ³	100 000 mg	Folic acid ¹³	50 mg
Vitamin C ⁴	1 870 mg	Iron ^{16 a, b}	323 mg
Vitamin B1 ^{5 b}	850 mg	Zinc ^{17 a, b}	1 600 mg
Vitamin B2 ⁶	1 600 mg	Manganese ^{18 a}	282 mg
Vitamin B6 ⁷	800 mg	Copper ^{19 a, b}	265 mg
Vitamin B12 ⁸	512 mcg	Cobalt ²⁰	11 mg
Biotin ⁹	27 000 mcg	Selenium ^{21 a}	10 mg
Calcium-D-pantothenate ¹⁰	200 mg	Iodine ²²	3.2 mg

* Read the exact connections on page 138.



Further information on Vitamin E + Selen you will find here:



ELEKTROLYTE

Mineral compensation in case of heavy sweat loss

- Quick compensation of mineral losses
- In case of heavy sweat losses due to high temperatures
- High acceptance, water-soluble

Water-soluble electrolytes are used for mineral compensation in cases of heavy sweat loss, e.g. in high-performance sport or during transport. Horses cool their bodies primarily through increased perspiration. In this process, not only water but also electrolytes are lost. This loss often manifests itself in the form of poor performance, muscle problems such as tying up and lactic acid formation in the muscles. Hot temperatures and increased physical performance increase electrolyte loss. Regular supplementation of electrolytes ensures a balanced mineral balance of the horse even during high exertion and warm temperatures.



Diet-complementary feed
for horses to compensate
for electrolyte losses due to
excessive sweating

Can 1 kg
Bucket 2.5 kg



Feeding recommendation

Offer approx. **3-6 g per 100 kg body weight and day** mixed with the crib feed. Dissolve in 200 ml of water for the oral syringe.

The recommended feeding period is one to three days after heavy sweating. Offer water for free intake. Water must be available for a period of at least 20 minutes or preferably for one hour after administration. Please ensure sufficient fluid intake. In case of insufficient water intake, please consult a veterinarian.

1 measuring spoon corresponds to approx. 15 g

Composition

Dextrose, sodium chloride, potassium chloride, sodium bicarbonate, seaweed lime, magnesium citrate, dicalcium phosphate

Ingredients

Crude protein.....	0.5 %	Calcium.....	0.1 %
Crude fat.....	0.3 %	Phosphorus.....	0.2 %
Crude fibre.....	0 %	Magnesium.....	0.1 %
Crude ash.....	24 %	Sodium.....	6 %
Digestible crude protein.....	0 g/kg	Potassium.....	3 %
Digestible energy.....	10.6 MJ/kg	Chloride.....	10 %
Metabolisable energy.....	10.6 MJ/kg	Glucose.....	65 %
Starch.....	0 %		

Additives per kg*:

Nutritional additives

Vitamin A ¹	1 300 000 IU	Calcium-D-pantothenate ¹⁰	330 mg
Vitamin E ³	2 900 mg	Niacin ^{12b}	1 000 mg
Vitamin C ⁴	12 600 mg	Folic acid ¹³	32.5 mg
Vitamin B1 ^{5b}	100 mg	Iron ^{16a}	96 mg
Vitamin B2 ⁶	165 mg	Zinc ^{17b}	210 mg
Vitamin B6 ⁷	100 mg	Manganese ^{18b}	210 mg
Vitamin B12 ⁸	330 mcg	Copper ^{19b}	28 mg
Menadione nicotinamide bisulphite ¹⁵	610 mg	Selenium ^{21a}	2 mg
Biotin ⁹	6 600 mcg	Iodine ²²	60 mg

* Read the exact connections on page 138.

KIESELGOLD

Diatomaceous earth granules for coat and hooves

Kieselgold contains diatomaceous earth (Kieselgur) as its main ingredient, a marine primeval natural product that developed over millions of years. It is used as a natural source of silicon. Silicon is an essential building block of connective tissue, tendons, bones and hoof horn.

- Naturally rich in silicon for strong tendons, ligaments & joints
- To support the coat change & intestinal cleansing
- Promotes hoof horn strength & hair growth

Kieselgur consists mainly of silicic acid. Silicic acid contains a high proportion of silicon, a trace element found in the body mainly in the connective tissue cells of skin, hair and cartilage. Silicon cannot be produced by the body itself, so the organism is dependent on a supply through the feed. Due to the large surface of the diatomaceous earth, harmful substances from the intestine are also bound and excreted. In addition, **Kieselgold** contains isomaltulose, turmeric and high-quality vegetable oils. As a prebiotic, isomaltulose supports the maintenance of a healthy intestinal microbiome and improves taste and texture. Turmeric stimulates the appetite, naturally promotes storability and improves absorption and thus the bioavailability of micronutrients. The oil mixture provides a silky coat shine.



Complementary feed
for horses

Bucket 5 kg

Feeding recommendation

Offer approx. 5 g per 100 kg body weight and day with the crib feed. Note: Not suitable for mineralisation to cover requirements.

1 measuring spoon corresponds to approx. 15 g

Composition

PalaSyrup (Isomaltulose mol.), linseed oil cold pressed, turmeric

Ingredients

Crude protein	1.1 %
Crude fat	7.6 %
Crude fibre	0.2 %
Crude ash	2 %
Digestible crude protein	0 g/kg
Digestible energy	16.4 MJ/kg
Metabolisable energy	16.3 MJ/kg
Starch	0.4 %
Sugar	18 %
Calcium.....	0.02 %
Phosphorus.....	0 %
Sodium	1 %

Additives per kg*:

Nutritional additives

Diatomaceous earth ²⁶..... 500 000 mg

* Read the exact connections on page 138.



SORBINUM® CALCIUM

To compensate for calcium deficits

- For increased calcium requirements of the horse
- With natural sea minerals
- Pelleted and tasty

Natural coral lime from Bretagne provides not only calcium but also a lot of other minerals and trace elements. Due to its special calcium content, **Sorbinum® Calcium** is suitable for feeding in combination with larger grain rations and for compensating calcium deficits.



Mineral feed
for horses

Bucket 5 kg
Paper bag 25 kg



Feeding recommendation

Offer **approx. 10-15 g per 100 kg body weight and day** mixed with the crib feed. *Note: Not suitable for mineralisation to cover requirements.*

1 measuring cup corresponds to approx. 150 g

Composition

Calcium carbonate (marine and mineral), oil cake mixture (linseed, sunflower seeds), oil mixture cold pressed (linseed, sunflower, maize germ oil), maize germs, PalaSyrup (Isomaltulose mol.), magnesium oxide, salt, garlic, fruit fibres (apple/grape), brewer's yeast

Ingredients

Crude protein	6 %
Crude fat	6 %
Crude fibre	3 %
Crude ash	62 %
Digestible crude protein	27.8 g/kg
Digestible energy	2.3 MJ/kg
Metabolisable energy	1.7 MJ/kg
Starch	1.4 %
Sugar	3 %
Calcium.....	22 %
Phosphorus.....	1 %
Magnesium.....	3.5 %
Sodium	1 %

Additives per kg*:

Nutritional additives

Vitamin E ³	500 mg
Vitamin C ⁴	1 000 mg

Technological additives

Diatomaceous earth ²⁶	9 600 mg
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* Read the exact connections on page 138.

KNOBLIZEM®

The tasty insect repellent

Knoblizem®, the popular feed supplement for insect-plagued pasture horses, is a successful combination of best quality garlic, herbs such as rosemary, peppermint, coriander and vitamins of the B-complex. *Knoblizem®* provides the horse with a balanced and not too spicy source of garlic. Wheat germs and linseed provide natural vitamin E, digestive enzymes and valuable essential fatty acids.

- For insect-plagued pasture horses
- With natural sulphur compounds for skin, hair and hooves
- Promotes blood circulation and purifies the blood

Garlic is especially popular to feed to pasture horses to mitigate insect infestation - by changing the body's own exhalation. In addition, garlic promotes the entire digestive process by stimulating appetite, gastric juice secretion and intestinal peristalsis. The cleansing effect on the intestinal tract and blood against harmful bacteria, fungi, worms and waste products from digestion and metabolism is due, among other things, to the high content of selenium and sulphur. Garlic supports the heart and circulation in many ways. The fluidity of the blood improves so that the internal organs, muscles, joints, hooves and skin are better supplied with blood. The defences and the skin situation are supported by natural vitamin C and the sulphur compounds. Thus, even older and poorly performing horses benefit from the valuable ingredients of garlic.



Complementary feed
for horses

Bucket 3 kg & 5 kg .
Paper bag 25 kg



Feeding recommendation

Offer approx. 15-25 g per 100 kg body weight and day with the crib feed.

1 measuring cup corresponds to approx. 125 g

Composition

Oil cake mixture (linseed, sunflower seeds) 24 %, garlic 21 %, herbs (parsley, peppermint, coriander, nettle, rosemary) 12 %, oil mixture cold pressed (linseed, sunflower, maize germ oil) 10 %, maize germs, wheat germs, fruit fibres (apple/grape), seaweed lime, barley flakes (lactofermented), wheat bran, carrots, brewer's yeast, salt

Ingredients

Crude protein	16.7 %
Crude fat	14.7 %
Crude fibre	9 %
Crude ash	9.7 %
Digestible crude protein	126 g/kg
Digestible energy	13 MJ/kg
Metabol. energy	11.6 MJ/kg
Starch	7.7 %
Sugar	14 %
Calcium	1.2 %
Phosphorus	0.4 %
Sodium	0.5 %

Additives per kg*:

Nutritional additives

Vitamin B1 ^{5b}	970 mg
Vitamin B2 ⁶	1 950 mg
Vitamin B6 ⁷	970 mg
Vitamin B12 ⁸	146 mcg
Zinc ^{17b}	350 mg
Manganese ^{18b}	100 mg
Copper ^{19b}	106 mg

Technological additives

Diatomaceous earth ²⁶	24 400 mg
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* Read the exact connections on page 138.

EQUIMALL[®] forte

Malt-yeast concentrate to
improve appetite, digestion & performance

EquiMall[®] forte is a concentrated, liquid malt-yeast extract made from five different types of malt, fine herbs and lysed yeast. Known for centuries as an appetite-stimulating tonic, malt is also an effective support in horse nutrition for increased performance and an increased appetite.

- Appetite and digestion stimulating
- Tasty and nourishing
- For old and convalescent, as well as sport and breeding horses

Feeding recommendation

Offer approx. 7-20 ml per 100 kg body weight and day mixed with crib feed, soaked hay cobs or Irish Mash[®]. Shake before use!

Composition

Malt macerate, brewer's yeast, turmeric, herbs (rosemary, peppermint)

Ingredients

Crude protein.....	7 %
Crude ash.....	1.4 %
Digestible energy.....	12.4 MJ/kg
Metabolisable energy.....	11.8 MJ/kg
Total sugar.....	78 %
Sodium.....	0.2 %



Complementary feed
for horses

Squeeze bottle 500 ml

How malt is produced

The controlled germinated grain is dried after germination. During this germination process, special enzymes are formed in high concentration and activity, which convert nutrients. The enzymes convert the reserve substances of the cereal grain into soluble substances that help the germ to grow. The resulting green malt is made storable via the drying process while fully retaining enzyme activity. After a complex drying process, the typical roasted aroma of malt is created.

Extract from the finest malts

Five different types of malt are ground for EquiMall[®] forte and "mashed" with water. This precisely tempered, slow process produces a multitude of nutritive, vital and active substances with the help of enzymes that are released. In addition to highly nourishing maltose compounds, primary flavours, various volatile organic acids, polyphenols and cleavage products from protein compounds, as well as nucleotide compounds are produced.

Herbs, enzymes and antioxidants

The added spices and herbs provide a special flavour and, together with the active malt enzymes, promote digestion. EquiMall[®] forte has a number of natural phenolic compounds with a high antioxidant effect against free radicals, which can have a damaging effect on the whole organism.

A pure natural product

While sugar, caramel and carbon dioxide are added to conventional malt beer, EquiMall[®] forte is a pure, absolutely alcohol-free natural product. The high malt concentration provides the dark colour and sweet taste. The added liquid brewer's yeast promotes the formation of further vital substances. Following this process, water is gently removed at a low temperature. In this way, the entire process does not allow for premature spoilage: the product is shelf-stable without preservatives. The natural vitamin B-rich EquiMall[®] forte is recommended, among other things, for weakened intestinal microbiome and poor performance.

By dehydration, EquiMall[®] forte is concentrated and filled in a 700 g squeeze bottle.

It is suitable for:

- Broodmares and weanling foals
- Convalescent and older horses
- In case of feeding instability and feed conversion
- Weakened immune defence
- Digestive disorders
- During the change of coat

*More than just
a malt beer*

Our recommendation

EquiMall[®] forte can be diluted



GLYX LOBS®

The grain-free extra treat

Every horse can have this treat, because no matter whether your four-legged friend suffers from overweight, is on a diet or has metabolic problems – Glyx Lobs® make all horses happy.

- Reduced starch and sugar
- Free from grains
- Suitable for allergy sufferers

Glyx Lobs® reward cubes are a healthy alternative to conventional treats. They are low in starch, sugar and energy and therefore particularly suitable for horses suffering from overweight or metabolic disorders.



Complementary feed
for horses

Bag 1 kg
Bucket 10 kg
Paper bag 25 kg



LOBS®

The special treat

High-quality ingredients, especially fruit and vegetables such as apples and carrots, combine to form a balanced Lobs® composition. The particularly high variety of nutrients enhances the Lobs® and makes them a special treat.

- Healthy and tasty thanks to precious ingredients
- High variety of nutrients
- Practical cube form

Complementary feed
for horses

Bag 1 kg
Bucket 10 kg
Paper bag 25 kg



Feeding recommendation GLYX LOBS® & LOBS®

A few pieces daily as a reward: **Small horses and ponys: max. 50 g per day**

Large horses: max. 100 g per day

Composition GLYX LOBS®

Beet fibre, carrots, grass chaff warm air dried, fruit fibre (apple/grape), maize germs, alfalfa chaff, rice bran, parsley, PalaSyrup (Isomaltulose mol.), malt-yeast-seasoning, calcium carbonate (mineral), beetroot, turmeric, oil mixture cold pressed (linseed, sunflower, maize germ oil), dicalcium phosphate

Composition LOBS®

Wheat bran, fruit fibres (apple/grape), maize flakes (lactofermented), barley flakes (lactofermented), PalaSyrup (Isomaltulose mol.), maize germs, carrots, wholegrain oat flakes (lactofermented), parsley, calcium carbonate (mineral), beet root, banana flour, turmeric, oil mixture cold pressed (linseed, sunflower oil), dicalcium phosphate, honey

Ingredients

	GLYX LOBS®	LOBS®
Crude protein	8.5 %	9 %
Crude fat	7 %	4.4 %
Crude fibre	15 %	9 %
Crude ash	10 %	7.3 %
Starch	4 %	15 %
Sugar	6 %	7.6 %
Calcium	1.8 %	1 %
Phosphorus	0.5 %	0.3 %
Sodium	0.1 %	0.3 %

Additives per kg*:

Nutritional additives

	GLYX LOBS®	LOBS®
Vitamin E ³	500 mg	500 mg
Vitamin B1 ^{5b}	13 mg	13 mg
Vitamin B2 ⁶	25 mg	25 mg
Vitamin B6 ⁷	13 mg	13 mg
Vitamin B12 ⁸	64 mcg	77 mcg

Technological additives

	GLYX LOBS®	LOBS®
Diatomaceous earth ²⁶	18 700 mg	28 000 mg

* Read the exact connections on page 138.

OILS

A valuable supplement

Unsaturated fatty acids from valuable vegetable oils ensure better blood flow, special coat shine and good hoof structure. As a component of the cell walls, they play a decisive role in the regeneration of nerve, skin and other organ cells. Likewise, the body's own formation of anti-inflammatory and immunologically effective prostaglandins is dependent on the presence of alpha-linolenic acid. High-quality vegetable oils serve as a starch-, sugar- and protein-free energy source for horses that are stomach sensitive, have weak muscles or are allergic to cereals. According to findings of the Kentucky Equine Research Institute, vegetable oils reduce the glycaemic index of cereal-rich rations and thus improve performance.

Gently extracted

St. Hippolyt® vegetable oils are of particularly high quality. They are cold-pressed under 40° C at only moderate pressure and then skimmed off in a gentle sedimentation process so that no thermal, chemical or mechanical stress destroys the sensitive fatty acids. The raw materials for the oils come from controlled contract farming. The high quality of the raw materials in combination with the gentle processing and the fact that no filtering is used gives these oils their special flavour. Vital substances rich in turbidity and valuable oil accompanying substances are thus preserved natively.



All our oils are grain-free

LEINÖL

Cold pressed & natural

St. Hippolyt® Leinöl is a natural and above all rich source of vital polyunsaturated fatty acids.

Linseed oil has the highest concentration of omega-3 fatty acids of all known vegetable oils and is therefore very sensitive to heat and mechanical processing. The gentle cold-pressing process of **St. Hippolyt®** Mühle Ebert ensures optimal oxidative stability (low peroxide numbers) and few free fatty acids as indicators of a particularly high-quality product.

- 50 % omega-3 fatty acids
- Valuable due to cold pressing
- Highest quality level due to gentle sedimentation process

Straight feed for horses

Bottle 750 ml
Canister 2.5 l & 5 l



SCHWARZ-KÜMMELÖL

High quality oil from the Orient

Black cumin has been used as a spice and medicine in the Orient for more than 2.000 years. Black cumin oil contains a high proportion of polyunsaturated fatty acids and the essential oil nigelon, which the body needs to produce prostaglandins.

- Rich in gamma-linolenic acid and other rare oil fractions
- With over 100 secondary plant substances
- Gently cold pressed

Health benefits

Prostaglandins are substances produced naturally in the body that have a hormone-like effect. They have an anti-inflammatory effect, promote blood circulation, harmonise the immune system and inhibit allergic mediators. For prostaglandin to be synthesised, polyunsaturated fatty acids and the trace element zinc must be sufficiently present. Our recommendation: A basic feed rich in trace elements, e.g. with **Hesta Mix®** or **Struktur-Energetikum®** or the addition of **MicroVital®**.

Straight feed for horses

Bottle 250 ml & 750 ml

HIPPO LINOL®

High-quality oil mixture of seeds, germs & herbs

Hippo Linol® combines linseed, sunflower, maize germ and wheat germ oil into a valuable oil composition with a particularly diverse fatty acid pattern. Native herbal oils round off the recipe and give it an incomparable taste. With Hippo Linol® you can offer your horse not only starch-free energy but also a maximum of polyunsaturated fatty acids with a particularly varied fatty acid pattern and thus make a valuable contribution to maintaining health, not only during the change of coat.

- Great fatty acid spectrum
- Rich in secondary plant substances
- Gentle cold pressing

Straight feed for horses

Canister 2.5 l & 5 l





Feeding recommendation

LEINÖL

Offer approx. 5-25 ml per 100 kg body weight and day mixed with the crib feed. Feed linseed oil slowly and increase to the desired amount. In case of high requirements, up to 200 ml crude fat can be fed in the total daily ration.

SCHWARZKÜMMELÖL

Offer approx. 1.5-3 ml per 100 kg body weight and day mixed with the crib feed.

HIPPO LINOL®

Offer approx. 5-50 ml per 100 kg body weight and day mixed with the crib feed.

Composition

LEINÖL: Linseed oil cold pressed

SCHWARZKÜMMELÖL: Black cumin oil cold pressed

HIPPO LINOL®: Oil mixture cold pressed (linseed, wheat germ, sunflower, maize germ and herb oils)

Ingredients

	LEINÖL	SCHWARZKÜMMELÖL	HIPPO LINOL®
Crude protein	1 %	1 %	1 %
Crude fat	99 %	99 %	99 %
Crude fibre	1 %	1 %	1 %
Crude ash	1.5 %	1.5 %	1.5 %
Digest. crude protein	< 10 g/kg	< 10 g/kg	< 10 g/kg
Digestible energy	35.8 MJ/kg	35.8 MJ/kg	35.8 MJ/kg
Metabol. energy	35.7 MJ/kg	35.7 MJ/kg	35.7 MJ/kg
Sodium	< 0.1 %	< 0.1 %	< 0.1 %

HESTA PLUS®

Highly dosed and highly bioavailable micronutrients for targeted compensation in case of nutrient deficiency



Can 1 kg

Identification of nutrient deficiencies

The determination of nutrient deficiencies using an appropriate blood profile is the responsibility of the veterinarian. Certain nutrient deficiencies can also be detected by hair analysis, in some cases with the trained eye.

Early nutrient deficiencies are indicated by the following signs:

- Coat and skin changes
- Changes in hoof structure
- Tension in the muscles
- Restriction of the joy of movement
- Changes in temperament
- Digestive disorders

The lack of one or more nutrients can seriously disturb and delay healing success. Nutritional problems that are considered typical include:

- Susceptibility to infections
- Tendency to eczema and allergies
- Wound healing disorders
- Fertility problems
- Osteoarthritis and OCD
- Hoof problems
- Muscle diseases
- Acidosis
- Digestive disorders
- Mud fever
- Metabolic problems (e.g. EMS)
- Skin and coat problems

In addition to structural tasks, minerals and especially the essential trace elements are responsible for equipping the enzyme system. Disturbances in enzyme activity lead to metabolic problems, which can present themselves in a different form in each individual. Nutrient deficiencies worsen insidiously and remain undetected for a long time. Long-term imbalanced nutrient deficiencies can manifest in serious illness.

Signs of a deficiency can be

Iron

Anaemia, susceptibility to infections, poor performance

Copper

Bone formation and pigmentation disorders, fertility problems, osteoarthritis, osteoporosis, nervousness, tendency to allergies

Manganese

Bone problems, abnormalities in cartilage and tendon metabolism, tension, muscle metabolism problems, tendency to allergies, hyperacidity

Selenium

Muscle formation disorders, heart muscle dysfunction, hair loss, muscle tension, susceptibility to infections, circulatory disorders

Zinc

Skin, coat, hoof and fertility problems, sweet itch, tendency to allergies, susceptibility to infections, loss of appetite, growth and wound healing disorders, insulin deficiency, mud fever

Highly dosed and highly bioavailable micronutrients for targeted compensation of nutrient deficiencies

The **Hesta Plus®** concentrates are characterised by a particularly high bioavailability. The organically bound nutrients are rapidly absorbed via the intestine into the blood and the organism. In addition, functional DNA building blocks, so-called nucleotides, support the absorption rate of the trace elements through improved intestinal villus regeneration.

Hesta Plus® is grain-free and therefore also suitable for sensitive horses and horses with metabolic disorders.

Feeding

The duration of feeding depends on the deficiency and the nutrient missing in each case. While zinc deficiencies can take months to years to correct, selenium deficiencies can usually be corrected within a few weeks.

In principle, the feeding of horses suffering from trace element deficiencies should be based on feedstuffs particularly rich in trace elements, such as **Hesta Mix®**, **Struktur-Energetikum®** or **Vitalmüli Beste Jahre®**.

Feeding recommendation

Hesta Plus® EISEN

Complementary feed for horses
Offer **approx. 3.5 g per 100 kg body weight and day** mixed with the crib feed.

1 measuring spoon corresponds to approx. 12 g

Hesta Plus® KUPFER

Complementary feed for horses
Offer **approx. 5 g per 100 kg body weight and day** mixed with the crib feed.

1 measuring spoon corresponds to approx. 12 g

Hesta Plus® MANGAN

Complementary feed for horses
Offer **approx. 7 g per 100 kg body weight and day** mixed with the crib feed.

1 measuring spoon corresponds to approx. 12 g

Hesta Plus® SELEN

Complementary feed for horses
Offer **approx. 5 g per 100 kg body weight and day** mixed with the crib feed.

*Note: **Hesta Plus® Selen** is only available on presentation of a current blood count or via your veterinarian*

1 measuring spoon corresponds to approx. 12 g

Hesta Plus® ZINK

Diet-complementary feed for horses to support the regeneration of hooves, feet and skin
Offer **approx. 3.5 g per 100 kg body weight and day** mixed with the crib feed.

The recommended feeding period is up to 8 weeks.

1 measuring spoon corresponds to approx. 12 g

Composition (all Hesta Plus® products)

Grass chaff warm air dried, yeast products (rich in RNA and nucleotides), Palatin soy de-bittered*, oil seeds gently cracked (linseed, sunflower seeds) 10 %, oil mixture cold pressed (linseed, sunflower oil) 7 %, turmeric, vinegar, chicory inulin

* Soy from regional contract farming (GMO-free) exclusively for St. Hippolyt

Ingredients

	Hesta Plus® EISEN	Hesta Plus® KUPFER	Hesta Plus® MANGAN	Hesta Plus® SELEN	Hesta Plus® ZINK
Crude protein	20 %	16.2 %	17 %	17 %	15 %
Crude fat	4 %	13.2 %	13.3 %	13 %	12 %
Crude fibre	6 %	5.2 %	12 %	14 %	12 %
Crude ash	9 %	2.3 %	4.6 %	5 %	4.6 %
Calcium	0.1 %	0.17 %	0.4 %	0.5 %	0.4 %
Phosphorus	0.5 %	0.41 %	0.4 %	0.4 %	0.4 %
Magnesium	0.3 %	0.05 %	0.1 %	0.2 %	0.2 %
Sodium	0.05 %	0.07 %	0.1 %	0.1 %	0.1 %
Lysine	1.0 %	1 %	1 %	1 %	0.6 %
Methionine + Cysteine	0.3 %	0.5 %	0.5 %	0.5 %	0.4 %

Additives per kg*:

Nutritional additives

	Hesta Plus® EISEN	Hesta Plus® KUPFER	Hesta Plus® MANGAN	Hesta Plus® SELEN	Hesta Plus® ZINK
Iron ^{16 b}	30 000 mg				
Zinc ^{17 b}					30 000 mg
Manganese ^{18 b}			15 000 mg		
Copper ^{19 b}		2 500 mg			
Selenium ^{21 b}				50 mg	

Technological additives

Lecithins ²⁷	15 000 mg	15 000 mg	16 000 mg	15 000 mg	15 000 mg
Clinoptilolite ²⁹	25 mg	30 mg	30 mg	32 mg	30 mg

* Read the exact connections on page 138.



Dosing bottle each 1 l

LIPOSOMAL ENCAPSULATION FOR INCREASED BIOAVAILABILITY MANY TIMES OVER

In **Hesta Plus® LIQUIDS**, essential trace elements, as well as other substances, are liposomal encapsulated for protected delivery to their destination in the body. Dispersed by nanodispersion into minute droplets, liquids are formed with stable liposomes and the micronutrients enclosed within. The overall effect is an increased efficiency of the respective micronutrient due to the bioavailability and resorption rate increased many times over.

Feeding recommendation

Hesta Plus® EISEN LIQUID

Complementary feed for horses
Offer approx. 3.5 ml per 100 kg body weight and day mixed with the crib feed or administer directly via a mouth syringe.

Hesta Plus® KUPFER LIQUID

Complementary feed for horses
Offer approx. 5 ml per 100 kg body weight and day mixed with the crib feed or administer directly via a mouth syringe.

Hesta Plus® MANGAN LIQUID

Complementary feed for horses
Offer approx. 7 ml per 100 kg body weight and day mixed with the crib feed or administer directly via a mouth syringe.

Hesta Plus® SELEN LIQUID

Complementary feed for horses
Offer approx. 5 ml per 100 kg body weight and day mixed with the crib feed or administer directly via a mouth syringe.

Hesta Plus® ZINK LIQUID

Diet-complementary feed for horses to support the regeneration of hooves, feet and skin
Offer approx. 3.5 ml per 100 kg body weight and day mixed with the crib feed or administer directly via a mouth syringe.

Note: Hesta Plus® Selen is only available on presentation of a current blood count or via your veterinarian

Note: The recommended feeding period is up to 8 weeks.

Composition (all Hesta Plus® Liquid products)**

Short-chain fructo oligosaccharides, oil mixture (linseed, sunflower oil), whole plant decomposition (beet root)

Ingredients

	Hesta Plus® EISEN	Hesta Plus® KUPFER	Hesta Plus® MANGAN	Hesta Plus® SELEN	Hesta Plus® ZINK
Crude protein	2.1 %	0.3 %	0 %	0 %	0.03 %
Crude fat	1.7 %	1.7 %	1.7 %	2.1 %	1.8 %
Crude fibre	0 %	0.02 %	0 %	0 %	0.02 %
Crude ash	0.05 %	1.7 %	0.05 %	0.05 %	1.7 %
Calcium	0 %	0 %	0 %	0 %	0 %
Phosphorus	0 %	0 %	0 %	0 %	0 %
Magnesium	0 %	0 %	0 %	0 %	0 %
Sodium	0 %	0 %	0 %	0 %	0 %

Additives per kg*:

Nutritional additives**

	Hesta Plus® EISEN	Hesta Plus® KUPFER	Hesta Plus® MANGAN	Hesta Plus® SELEN	Hesta Plus® ZINK
Iron ^{16 b}	15 120 mg				
Copper ^{19 a, b}		12 263 mg			
Manganese ^{18 b}			10 010 mg		
Selenium ^{21 b}				40 mg	
Beta-carotene ¹⁴				240 mg	
Zinc ^{17 a, b}					14 750 mg
Biotin ⁹					0,5 mcg
Vitamin C ⁴	5 000 mg	5 000 mg	5 000 mg	5 000 mg	5 000 mg

Technological additives**

Lecithins ²⁷	20 000 mg	20 000 mg	20 000 mg	20 000 mg	20 000 mg
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* Read the exact connections on page 138.

** Liposomal encapsulated nutrients

KERNKRAFT & KERNKRAFT MUSKEL

Holistic power from within for more carrying capacity

Kernkraft Müsli is an innovative feed of the new feed generation. Broken-down, energy-providing cereal flakes are combined with structurally rich grass and alfalfa chaffs as well as oilseeds rich in vital substances. The composition is completed by germs, prebiotic brewer's yeast and rich herbs. Kernkraft – holistic power from within.

- As a restorative feed for stressed and strained horses.
- Particularly high in fibre with rich amino acids
- Promotes chewing, saliva production and digestion

Kernkraft Muskel is a booster of essential amino acids to support muscle building and muscle performance of the horse. Gamma Oryzanol, as a high-quality energy source without nitrogen loading, sustainably stimulates muscle metabolism and thereby promotes the growth of muscle cells in the horse during the training phase.

- High-quality protein source to supply essential amino acids
- Supports muscle building & muscle supply
- With high-quality gamma-oryzanol to improve muscle formation & performance



Complementary feed for horses

MÜSLI:
Paper bag 15 kg
MUSKEL:
Bucket 5 kg

Feeding recommendation KERNKRAFT MÜSLI

As a supplement to the basic feed supply with roughage and/or pasture grass. From a quantity of **approx. 0.5-1 kg per 100 kg body weight and day**, no additional mineral feed is necessary. The total amount should be spread over several rations. In case of lower dosage or supply deficits, we recommend the addition of **SemperMin®** or **MicroVital®**. **1 litre corresponds to approx. 350 g**

KERNKRAFT MUSKEL

Offer approx. 20 g per 100 kg body weight and day with the crib feed. For subsequent feeding, **approx. 10 g per 100 kg body weight and day** is sufficient. *Note: Not suitable for mineralisation to cover requirements.*

1 measuring cup corresponds to approx 115 g

Composition MÜSLI

Large variety of grasses and herbs from regional meadows, barley flakes (fermented), wheat bran, oat bran, **GlyxWiese®** Super Fibre, oil seeds gently cracked and oil cake mixture (linseed, sunflower seeds, black cumin seeds), maize germs, fruit fibres (apple/grape), oil mixture cold pressed (linseed, sunflower oil), alfalfa chaff, beet fibre, PalaSyrup (Isomaltulose-mol.), calcium carbonate (marine and mineral), brewer's yeast, beet syrup, herbs (peppermint, thyme, rosemary, camomile, nettle, fennel, fenugreek seeds), salt, rice germs, vinegar, maize flakes (fermented), garlic, magnesium oxide/sulphate/fumarate, magnesium phosphate, certified plant feed charcoal, sunflower blossoms, cornflower blossoms, pea flake meal, carrots, malt-yeast-seasoning, turmeric

Composition MUSKEL

Rice bran, soy flakes hydrothermally processed*, brewer's yeast, spirulina algae whole macerate, malt-yeast-seasoning, magnesium fumarate/sulphate, maize germs, oil mixture cold pressed (rice germ, linseed, sunflower oil), herbs (milk thistle seeds, fennel, anise), oil seeds gently cracked and oil cake mixture (linseed, sunflower seeds, fennel seeds), wheat bran, beet fibres, carrots, seaweed lime, PalaSyrup (Isomaltulose mol.), salt, pea flake meal, apple/grape fibres

* Soy from regional contract farming (GMO-free)

Ingredients

	Müsli	Muskel
Crude protein	10.5 %	35 %
Crude fat	5.5 %	14.2 %
Crude fibre	16 %	5.5 %
Crude ash	7.8 %	8.3 %
Digestible crude protein	70 g/kg	294 g/kg
Digestible energy	13 MJ/kg	14.4 MJ/kg
Metabolisable energy	12 MJ/kg	11.5 MJ/kg
Starch	11 %	7 %
Sugar	4.5 %	2.7 %
Calcium	1.1 %	0.5 %
Phosphorus	0.4 %	1.1 %
Magnesium	0.3 %	0.6 %
Sodium	0.3 %	0.1 %
Lysin	0.8 %	6 %
Methionin + Cystein	0.5 %	5.5 %
Threonin	0.6 %	5.6 %
Valine		0.8 %

Additives per kg*

Nutritional additives

	Müsli	Muskel
Vitamin A ¹	15 000 IU	13 000 IU
Vitamin D3 ²	1 700 IU	700 IU
Vitamin E ³	120 mg	4 350 mg
Vitamin B1 ⁵	10 mg	152 mg
Vitamin B2 ⁶	10 mg	143 mg
Vitamin B6 ⁷	7 mg	43.7 mg
Vitamin B12 ⁸	40 mcg	145 mcg
Biotin ⁹	250 mcg	14 810 mcg
Calcium-D-pantothenate ¹⁰	22 mg	107 mg
Choline chloride ¹¹	280 mg	450 mg
Niacin ^{12 a}	45 mg	143 mg
Folic acid ¹³	6 mg	18 mg
Iron ^{16 a, b}	8 mg	178 mg
Zinc ^{17 a, b}	180 mg	1 500 mg
Manganese ^{18 a, b}	110 mg	1 000 mg
Copper ^{19 a, b}	32 mg	139 mg
Cobalt ²⁰	0.6 mg	1.6 mg
Selenium ^{21 a, b, c}	0.3 mg	1.5 mg
Iodine ²²	0.3 mg	1.4 mg

Technological additives

	Müsli	Muskel
Diatomaceous earth ²⁶	3 150 mg	

* Read the exact connections on page 138.

WES FOR HORSES

"WES for horses was born from our desire to optimise the musculature, performance and well-being of our partner, the horse, in the most effective, sustainable and comprehensible way as possible by means of high-quality feeding products.

We focus on only a handful high-quality ingredients which are palatable to horses and capable of having overwhelming effects on looseness, rideability and health."

Christina Wessling, Veterinarian



THE SOLUTION for equine myopathies

Highly efficient products for equine health

The basic feeds and supplements of **WES for horses** are suitable for healthy sport horses as well as for horses with myopathies, stomach or metabolic problems, for which it is often very difficult to find suitable products.

- For the well-being of your horse
- With high quality ingredients
- Without grains and alfalfa
- Low calcium content
- Rich in essential amino acids
- The right variant for every type of horse



WES ALL IN ONE

MINERALISED MUESLI FOR SPORT AND LEISURE HORSES

- Mineralised, grain-free and sugar-reduced muesli
- For muscle building and health
- High content of the essential amino acids lysine, methionine and threonine
- Our mineral and muscle building product WES Bodyguard is already mixed in
- In order to avoid over-mineralisation, the further requirement for concentrate should be covered with a suitable non-mineralised concentrate – for example from our WES Crunch range
- Starch/sugar content < 10 %
- Very good acceptance
- Without added sugar, alfalfa & grains

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass.

Approx. 200 g per 100 kg body weight and day.

The total amount should be offered spread over several rations.

1 liter corresponds to approx. 400 g

For horses with elevated liver and/or kidney values, feed only after consultation with your veterinarian.

Composition

Grass chaff warm air dried, soy flakes hydrothermally processed*, fruit fibres (apple/grape), maize germs, magnesium fumarate, linseed oil, sodium chloride, carrots, pea flake meal, linseeds, linseed cake, sea buckthorn macerate

* Soy from regional contract farming (GMO-free)

Ingredients

Crude protein	20 %
Crude fat	9.4 %
Crude fibre	13.5 %
Crude ash	10 %
Digestible crude protein	156 g/kg
Digestible energy	11 MJ/kg
Metabolisable energy	9.2 MJ/kg
Starch	3 %
Sugar	4.5 %
Calcium.....	0.4 %
Phosphorus.....	0.65 %
Magnesium.....	0.8 %
Sodium	0.6 %
Lysine.....	1.8 %
Methionine	0.8 %
Methionine + Cysteine.....	0.9 %
Threonine	0.7 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	20 000 IU
Vitamin D3 ²	1 000 IU
Vitamin E ³	4 000 mg
Vitamin C ⁴	2 000 mg
Vitamin B1 ^{5 b}	150 mg
Vitamin B2 ⁶	120 mg
Vitamin B6 ⁷	200 mg
Biotin ⁹	20 000 mcg
Calcium-D-pantothenate ¹⁰	50 mg
Iron ^{16 b}	140 mg
Zinc ^{17 b}	1 800 mg
Manganese ^{18 b}	1 100 mg
Copper ^{19 b}	150 mg
Cobalt ²⁰	3 mg
Selenium ^{21 b, c}	1 mg
Iodine ²²	1.2 mg



Complementary feed
for horses

Paper bag 15 kg

* Read the exact connections on page 138.

WES BODYGUARD

MUSCLE BUILDING AND MINERAL FEED IN ONE

- Vitamins and trace elements ideally matched to the daily needs of healthy sport and high-performance horses
- High quality protein concentrate for optimal supply of essential amino acids such as lysine, methionine and threonine
- Ideally suited for horses with muscle and metabolic problems such as PSSM1 & MIM (PSSM2), RER etc.
- Promotes muscular stabilisation in ECVM
- Contributes to muscle development, better suppleness and performance
- Supports the regeneration of muscle cells
- With stomach-protective sea buckthorn macerate
- High content of manganese, magnesium, zinc and vitamins B, C & E
- Free from added sugar, grains & alfalfa

Feeding recommendation

Offer **approx. 35 g per 100 kg body weight and day** mixed with the crib feed.

1 measuring cup corresponds to approx. 110 g

For horses with elevated liver and/or kidney values, feed only after consultation with your veterinarian.

Composition

Soy protein concentrate*, magnesium lysinate/fumarate, apple fibre, pea protein isolate, monoammonium phosphate, sodium chloride, sea buckthorn macerate 3 %, yellow linseed gently cracked, linseed cake, linseed oil

* Soy from regional contract farming (GMO-free)

Ingredients

Crude protein	37 %
Crude fat	9.7 %
Crude fibre	4.3 %
Crude ash	11 %
Digestible crude protein	312 g/kg
Digestible energy	13 MJ/kg
Metabolisable energy	10 MJ/kg
Starch	0.5 %
Sugar	1.1 %
Starch & sugar	< 5 %
Calcium.....	0.3 %
Phosphorus.....	1.2 %
Magnesium.....	2 %
Sodium	1 %
Lysine.....	5.8 %
Methionine	2 %
Methionine + Cysteine.....	2.2 %
Threonine	1.2 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	82 000 IU
Vitamin D3 ²	5 700 IU
Vitamin E ³	16 000 mg
Vitamin C ⁴	8 500 mg
Vitamin B1 ^{5 b}	800 mg
Vitamin B2 ⁶	1 100 mg
Vitamin B6 ⁷	460 mg
Vitamin B12 ⁸	117 mcg
Biotin ⁹	55 700 mcg
Calcium-D-pantothenate ¹⁰	117 mg
Iron ^{16 b}	660 mg
Zinc ^{17 b}	7 500 mg
Manganese ^{18 b}	4 500 mg
Copper ^{19 b}	560 mg
Cobalt ²⁰	12.7 mg
Selenium ^{21 b, c}	4 mg
Iodine ²²	5.6 mg

Complementary feed
for horses

Bucket 5 kg & 10 kg
Paper bag 25 kg



* Read the exact connections on page 138.

WES Sensitive BODYGUARD

MINERAL FEED AND MUSCLE BUILDING WITHOUT SOY

- Vitamins and trace elements ideally matched to the daily needs of healthy sport and high-performance horses
- High quality protein concentrate for optimal supply of essential amino acids such as lysine, methionine and threonine
- Ideally suited for horses with muscle and metabolic problems such as PSSM1 & MIM (PSSM2), RER etc.
- Promotes muscular stabilisation in ECVM
- Contributes to muscle development, better suppleness and performance
- Supports the regeneration of muscle cells
- With stomach-protective sea buckthorn macerate
- High content of manganese, magnesium, zinc and vitamins B, C & E
- Free from added sugar, soy, grains & alfalfa

Feeding recommendation

Offer **approx. 35 g per 100 kg body weight and day** mixed with the crib feed.

1 measuring cup corresponds to approx. 110 g

For horses with elevated liver and/or kidney values, feed only after consultation with your veterinarian.

Composition

Potato protein, magnesium lysinate/-fumarate, apple fibres, pea protein isolate, maize germs, grass chaff warm air dried, sodium chloride, oil mixture cold pressed (linseed, maize germ, black cumin oil), linseed cake, yellow linseed gently cracked, sea buckthorn macerate, magnesium oxide

Ingredients

Crude protein	35 %
Crude fat	10 %
Crude fibre	4.8 %
Crude ash	9.2 %
Digestible crude protein	294 g/kg
Digestible energy	13 MJ/kg
Metabolisable energy	10.5 MJ/kg
Starch	1.8 %
Sugar	1.6 %
Starch and Sugar	< 5 %
Calcium.....	0.3 %
Phosphorus.....	0.2 %
Magnesium.....	2 %
Sodium	2 %
Lysine.....	6.3 %
Methionine	2.2 %
Methionine + Cysteine.....	2.9 %
Threonine	1.6 %

Additives per kg*:

Nutritional additives

Vitamin A ¹	90 000 IU
Vitamin D3 ²	3 000 IU
Vitamin E ³	15 100 mg
Vitamin C ⁴	3 000 mg
Vitamin B1 ^{5 b}	860 mg
Vitamin B2 ⁶	1 660 mg
Vitamin B6 ⁷	830 mg
Vitamin B12 ⁸	360 mcg
Biotin ⁹	50 280 mcg
Calcium-D-pantothenate ¹⁰	110 mg
Iron ^{16 b}	721 mg
Zinc ^{17 b}	7 500 mg
Manganese ^{18 b}	5 500 mg
Copper ^{19 b}	600 mg
Cobalt ²⁰	1.8 mg
Selenium ^{21 b}	3.4 mg
Iodine ²²	2.4 mg

Complementary feed
for horses

Bucket 10 kg



* Read the exact connections on page 138.

WES BASIC CRUNCH

PELLET FOR SPORT AND LEISURE HORSES

- High-protein and low-sugar basic feed
- Optimal supplement to our mineral and muscle building feed WES Bodyguard or WES All in One
- WES Basic Crunch is suitable for the healthy sport horse as well as for horses with muscle and metabolic problems
- Starch/sugar content < 9 %
- Protein content 20 %
- Very good acceptance
- Not mineralized
- Free from added sugar, grains & alfalfa

Ingredients

Crude protein	20 %
Crude fat	8.5 %
Crude fibre	21.8 %
Crude ash	6.9 %
Digestible crude protein	156 g/kg
Digestible energy	10 MJ/kg
Metabolisable energy	8 MJ/kg
Starch	4.7 %
Sugar	3.8 %
Calcium.....	0.4 %
Phosphorus.....	0.45 %
Magnesium.....	0.3 %
Sodium	0.24 %
Lysine.....	0.5 %
Methionine	0.2 %
Methionine + Cysteine.....	0.3 %
Threonine	0.5 %

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass.

Approx. **100-500 g per 100 kg body weight and day.**

The total amount should be offered spread over several rations.

1 liter corresponds to approx. 640 g

For horses with elevated liver and/or kidney values, feed only after consultation with your veterinarian.

Composition

Grass chaff warm air dried, soy flakes hydrothermally processed*, fruit fibres (apple/grape), linseed cake, linseeds, maize germs, linseed oil

* Soy from regional contract farming (GMO-free)

WES CRISPY CRUNCH

MUESLI FOR SPORT AND LEISURE HORSES

- Highly energetic and sugar-reduced muesli
- Optimal supplement to our mineral and muscle building feed WES Bodyguard or WES All in One
- For muscle building and health
- High content of the essential amino acids lysine, methionine and threonine
- Starch/sugar content < 9 %
- Very good acceptance
- Not mineralized
- Free from added sugar, grains & alfalfa

Ingredients

Crude protein	18 %
Crude fat	10 %
Crude fibre	18 %
Crude ash	6 %
Digestible crude protein	138 g/kg
Digestible energy	11 MJ/kg
Metabolisable energy	9.3 MJ/kg
Starch	3.5 %
Sugar	4.5 %
Calcium.....	0.4 %
Phosphorus.....	0.35 %
Magnesium.....	0.2 %
Sodium	0.1 %
Lysine.....	0.9 %
Methionine	0.35 %
Methionine + Cysteine.....	0.45 %
Threonine	0.7 %

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass.

Approx. **200-400 g per 100 kg body weight and day.**

The total amount should be offered spread over several rations.

1 liter corresponds to approx. 360 g

For horses with elevated liver and/or kidney values, feed only after consultation with your veterinarian.

Composition

Grass chaff warm air dried, soy flakes hydrothermally processed*, fruit fibres (apple/grape), maize germs, linseed, linseed oil, carrots, pea flake meal

* Soy from regional contract farming (GMO-free)

Complementary feed
for horses

Paper bag 25 kg



Complementary feed
for horses

Paper bag 25 kg



WES POWER CRUNCH

PELLET FOR DEMANDING SPORT AND PERFORMANCE HORSES

- Low-sugar, high-energy and high-protein basic feed
- Optimal supplement to our mineral and muscle building feed WES Bodyguard or WES All in One
- WES Power Crunch is suitable for the healthy sport horse as well as for horses with metabolic problems
- Starch/sugar content only 12 %
- Protein content 20 %
- Very good acceptance
- Not mineralised
- Free from added sugar, grains & alfalfa

Ingredients

Crude protein.....	20 %
Crude fat.....	11.2 %
Crude fibre.....	17.2 %
Crude ash.....	8 %
Digestible crude protein.....	156 g/kg
Digestible energy.....	11.2 MJ/kg
Metabolisable energy.....	9.3 MJ/kg
Starch.....	6.7 %
Sugar.....	5.3 %
Calcium.....	0.4 %
Phosphorus.....	0.37 %
Magnesium.....	0.2 %
Sodium.....	0.09 %
Lysine.....	0.4 %
Methionine.....	0.2 %
Methionine + Cysteine.....	0.3 %
Threonine.....	0.4 %

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass.

Approx. **100-500 g per 100 kg body weight and day.**

The total amount should be offered spread over several rations.

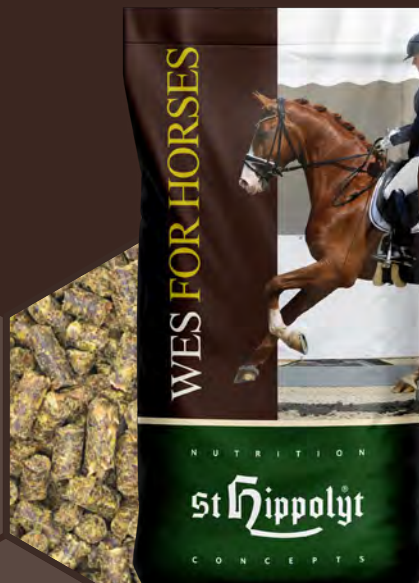
1 liter corresponds to approx. 620 g

For horses with elevated liver and/or kidney values, feed only after consultation with your veterinarian.

Composition

Soy flakes hydrothermally processed*, grass chaff warm air dried, oil cake mixture (linseed, sunflower seeds), fruit fibres (apple/grape), rice bran, linseed oil

* Soy from regional contract farming (GMO-free)



Complementary feed
for horses
Paper bag 25 kg

WES Sensitive CRUNCH

SOY-FREE PELLET FOR SPORT AND LEISURE HORSES

- High-protein and low-sugar basic feed
- Optimal supplement to our mineral and muscle building feed WES Sensitive Bodyguard
- WES Sensitive Crunch is suitable for the healthy sport horse as well as for horses with muscle and metabolic problems
- Starch/sugar content < 10 %
- Protein content 18 %
- Not mineralised
- Free from soy, grains & alfalfa

Ingredients

Crude protein.....	18.6 %
Crude fat.....	7.8 %
Crude fibre.....	17 %
Crude ash.....	6.8 %
Digestible crude protein.....	143 g/kg
Digestible energy.....	10.6 MJ/kg
Metabolisable energy.....	8.8 MJ/kg
Starch.....	4.2 %
Sugar.....	4.9 %
Calcium.....	0.6 %
Phosphorus.....	0.5 %
Magnesium.....	0.2 %
Sodium.....	0.1 %
Lysine.....	0.9 %
Methionine.....	0.3 %
Methionine + Cysteine.....	0.5 %
Threonine.....	0.9 %

Feeding recommendation

As a supplement to the basic feed supply with roughage and/or pasture grass.

Approx. **100-500 g per 100 kg body weight and day.**

The total amount should be offered spread over several rations.

1 liter corresponds to approx. 640 g

For horses with elevated liver and/or kidney values, feed only after consultation with your veterinarian.

Composition

Grass chaff warm air dried, linseed cake, rice bran, potato proteins, fruit fibres (apple/grape), pea flakes, beet fibres, sainfoin, oil seeds gently cracked and oil cake mixture (linseed, sunflower seeds), oil mixture cold pressed (linseed, hemp oil), maize germs, hemp nuts, pea protein isolate, hemp protein, fermented carrot, malt-yeast-seasoning



Complementary feed
for horses
Paper bag 25 kg

WES GASTRO BEET

STOMACH-FRIENDLY MASH FOR SPORT AND LEISURE HORSES

- Particularly stomach-friendly mash for sport and leisure horses
- Short swelling time
- For hard-keepers and horses in convalescence
- Optimal supplement to our mineral and muscle building feed WES Bodyguard or WES All in One
- Suitable for horses with stomach, muscle & metabolism problems
- With stomach-protective sea buckthorn macerate
- Natural pectin sources
- Natural lysine supplier
- Not mineralised
- Starch/sugar content < 10 %
- Free from added grains and alfalfa

Feeding recommendation

200-500 g per 100 kg body weight and day divided into several portions.

Mix **WES Gastro Beet** with 3 times the amount of warm/hot water and feed after approx. 10 min. swelling time. With cold water, the swelling time increases to approx. 20 min. **1 liter corresponds to approx. 450 g**

Composition

Beet fibres unmolassed, grass chaff warm air dried, maize germs, PalaSyrup (Isomaltulose mol.), soy flakes hydrothermally processed*, apple fibres, yellow linseed gently cracked, sea buckthorn macerate, sodium chloride

* Soy from regional contract farming (GMO-free)

Ingredients

Crude protein	11 %
Crude fat	10 %
Crude fibre	16 %
Crude ash	6 %
Digestible crude protein	73.7 g/kg
Digestible energy	11.3 MJ/kg
Metabolisable energy	10 MJ/kg
Starch	4 %
Sugar	5 %
Calcium.....	0.6 %
Phosphorus.....	0.2 %
Magnesium.....	0.2 %
Sodium	0.5 %
Lysine.....	0.6 %
Methionine	0.2 %
Methionine + Cysteine.....	0.4 %
Threonine	0.6 %

Complementary feed
for horses

Paper bag 25 kg



WES Sensitive MASH

FOR STOMACH, INTESTINE AND WELL-BEING

- Tasty, protein-rich mash for stomach, intestine and well-being
- With valuable herbs (fennel, camomile, nettle and aniseed) for gastrointestinal health
- Psyllium husks stimulate intestinal activity and facilitate intestinal transit
- Linseed provides mucilage to protect the gastrointestinal mucosa
- With low-glycaemic isomaltulose for prebiotic support of the intestinal microbiome
- Suitable for stomach sensitive horses and horses with muscle and metabolic problems
- Starch/sugar content < 10 %
- Not mineralised
- Free from grains, soy & alfalfa

Feeding recommendation

Mix 100-150 g per 100 kg body weight and day with 1.5-2 times the amount of warm/hot water and feed after approx. 15 min. swelling time. With cold water, the swelling time increases to approx. 30 min.

As a rule, feed 3-4 times a week, if necessary it can also be offered daily. Feed only when soaked. **1 litre corresponds to approx. 380 g**

Composition

Grass chaff warm air dried, apple fibre, linseed cake, beet fibre de-molassed, PalaSyrup (Isomaltulose mol.), yellow linseed gently cracked, maize germs, oil mixture cold pressed (linseed oil, sunflower oil), psyllium husks, herbs (fennel, anise, rosemary, camomile, nettle), sodium chloride, carrots, magnesium phosphate

Ingredients

Crude protein	15.5 %
Crude fat	6.8 %
Crude fibre	19.5 %
Crude ash	6.4 %
Digestible crude protein	115 g/kg
Digestible energy	10 MJ/kg
Metabolisable energy	8 MJ/kg
Starch	4 %
Sugar	5 %
Calcium.....	0.4 %
Phosphorus.....	0.4 %
Magnesium.....	0.3 %
Sodium	0.1 %

Complementary feed
for horses

Paper bag 25 kg



WES PROTEIN BOOSTER

PURE MUSCLE POWER

The high-performance sport horse as well as the ambitious leisure horse benefit from a strong, well-supplied musculature in order to be able to offer performance, eagerness to work and thus rideability.

Amino acids are the basis for optimal muscle development and maintenance. Amino acids combine to form macromolecular proteins and are supplied to the horse through the diet. In addition to the absolute amount of proteins in the ration, the amino acid pattern is particularly important in order to supply the horse with the first-limiting, essential amino acids – in the adult horse mainly lysine, methionine and threonine.

WES Protein Booster offers soy-free protein sources in concentrated form and of the highest quality

Ingredients

Crude protein.....	75 %
Crude fat	8.7 %
Crude fibre	2 %
Crude ash	4.5 %
Digestible crude protein	661 g/kg
Digestible energy	15.4 MJ/kg
Metabolisable energy	9.3 MJ/kg
Starch and sugar.....	< 5 %
Sodium	0.22 %
Lysine.....	4.1 %
Methionine	1.3 %
Methionine + Cysteine.....	2.3 %
Threonine	2.7 %

Complementary feed
for horses

Can 750 g

- High-quality protein concentrate for optimal supply with the essential amino acids such as lysine, methionine and threonine
- Supports targeted muscle building with an optimal amino acid profile
- Very low starch and sugar content of < 5 %
- Ideally suited for horses with muscle metabolism problems
- Also suitable for horses and ponies that have to pay attention to low starch and sugar contents due to metabolic disorders
- Free from added sugar, grains & soy

Feeding recommendation

Approx. 5-10 g per 100 kg body weight and day. 1 heaped measuring spoon corresponds to approx. 15 g

For horses with elevated liver and/or kidney values, feed only after consultation with your veterinarian.

Composition

Pea protein isolate, hemp protein, rice protein



WES ENERGY BOOST

HIGH-PERFORMANCE OIL FOR DEMANDING SPORT AND LEISURE HORSES

- Mixture of linseed oil, rice germ oil and hemp oil
- Optimal for supplementing the ration
- Rich in valuable omega-3 and omega-6 fatty acids
- With high-quality gamma-oryzanol
- Rice germ oil is one of the few natural sources of gamma-oryzanol and ferulic acid
- Gamma-oryzanol can have a positive effect on the digestive system
- Energy substitution without proteins and carbohydrates
- For immune system, skin and coat
- Without added starch, sugar and proteins
- With natural antioxidants

Ingredients

Crude protein.....	< 0.3 %
Crude fat	99.6 %
Crude fibres.....	< 0.3 %
Crude ash	< 0.3 %
Starch and sugar.....	0.0 %
Sodium	< 0.1 %
Saturated fatty acids	13 %
Monounsaturated fatty acids	31.3 %
Polyunsaturated fatty acids	5 5.7 %
of which	
Omega-3 fatty acids.....	34.1 %
Omega-6 fatty acids.....	22.8 %

Feeding recommendation

Offer **approx. 10 ml to max. 50 ml per 100 kg body weight and day** mixed with the crib feed. In order to distribute the sedimented turbidity evenly, the canister should be shaken well before use.

Please store in a cool and dark place.

Composition

Linseed oil 65 %, rice germ oil 30 %, hemp oil 5 % naturally and gently cold pressed

Complementary feed
for horses

Canister 2.5 & 5 l



WES NANOSHOT E

NATURAL VITAMIN E AT ITS BEST

- Water-soluble, natural vitamin E
- Supports muscle and energy metabolism
- Provides effective cell protection
- Highest bioavailability due to nano-dispersion and micellation
- For sport and leisure horses for direct supply with vitamin E
- Ideally suited for horses with muscle metabolism problems
- Starch/sugar content of < 5 %

Ingredients

Crude protein	< 1 %
Crude fat	65 %
Crude fibre	< 1 %
Crude ash	< 1 %
Digestible crude protein	0 g/kg
Digestible energy	30 MJ/kg
Metabolisable energy	30 MJ/kg
Starch and Sugar	< 5 %
Sodium	< 1 %

Additives per kg*:

Nutritional additives

Lecithins ²⁷	18 700 mg
Tocopherol ³²	53 400 mg

Natural vitamin E (d-alpha-tocopherol) per ml:
150 mg corresponds to 225 IU

Through an innovative process, the natural vitamin E is dispersed and micelleled into finest droplets by nanodispersion to be transportable in aqueous solutions and thus achieve highest bioavailability. **WES NanoShot E** - a highly effective, natural vitamin E source. Suitable for every type of horse.

Feeding recommendation

1-2 ml per 100 kg body weight and day mixed with the feed or administered directly via a mouth syringe approx. 30-60 minutes before the performance requirement (training, competition, etc.). *Note: If necessary, double the amount can be given temporarily.*

Composition

Water, oil mixture cold pressed (linseed, sunflower, maize germ oil), small intestine resistant PalaSyrup (Isomaltulose mol.), turmeric



Complementary feed
for horses
Bottle & carton 300 ml

* Read the exact connections on page 138.

** Liposomal encapsulated nutrients

WES NOSTRESS

STRENGTH LIES IN TRANQUILITY

- Highly efficient magnesium, vitamin B12 and herbal components for muscle and nerve function
- In potentially stressful situations such as transports, tournaments, stable changes, etc.
- Innovative liposomal encapsulation of micronutrients

In **WES NoStress**, nutrients are liposomal encapsulated for protected delivery to their destination in the body. Dispersed by nanodispersion into minute droplets, liquids are formed with stable liposomes and the micronutrients enclosed within. The overall effect is an increased efficiency of the respective micronutrient due to the bioavailability and resorption rate increased many times over.

Ingredients

Crude protein	0.3 %
Crude fat	4.2 %
Crude fibre	0.1 %
Crude ash	0.2 %
Calcium	0 %
Phosphorus	0 %
Magnesium	1.6 %
Sodium	0 %
Tryptophan	0.3 %

Additives per kg*: Nutritional additives

Vitamin C ⁴	8 000 mg
Vitamin B1 ^{5 b}	2 000 mg
Vitamin B2 ⁶	4 000 mg
Vitamin B6 ⁷	2 000 mg
Vitamin B12 ⁸	50 000 mcg
Niacinamide ^{12 b}	2 500 mg

Technological additives**

Lecithins ²⁷	20 000 mg
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Feeding recommendation

Offer **approx. 5 ml per 100 kg body weight and day** mixed with the crib feed or best administered directly via a mouth syringe approx. 30-60 min before the performance requirement (training, tournament, etc.). *Note: In case of need, double the amount can be given temporarily.*

Composition**

Magnesium citrate, short-chain fructo oligosaccharides, whole plant decomposition (passionflower, hops)



Complementary feed
for horses
Dosing bottle 1 l



CONSULTATION

powered by

st Hippolyt®

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**CHRISTINA
WESSLING**

As an experienced veterinarian, horse breeder, rider and expert in equine myopathies, Christina Wessling is available to advise and assist with the health concerns of sport and leisure horses as well as horses with myopathies, gastric and metabolic problems.

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For further information:





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Brandon® is a unique, innovative, hypoallergenic feed concept based on the latest nutritional findings. It is a wholesome, tasty horse feed with low allergy potential, fully vitaminised and mineralised. Brandon® is clinically proven to meet the needs of horses with a wide range of feed composition requirements. Thanks to its low glycaemic index* - known as Glyx for short - Brandon® is also particularly suitable for horses whose diet should be low in easily digestible carbohydrates.

Feeling of satiety due to special fibre composition

The main ingredient of the feed is high-quality alfalfa from the Champagne region. Special growing conditions and processing methods help to maintain the quality of the abundant functional fibres. The increased microbial fermentation of these fibres in the large intestine changes the number and composition of short-chain fatty acids, favoring more continuous gastric emptying and digestion and absorption of nutrients. As a result, there are fewer fluctuations in blood glucose or insulin levels after food intake and a longer-lasting feeling of satiety. This effect lasts for some time and ensures lower fluctuations in blood glucose and insulin levels even after another meal.

A Feed for many needs

Brandon® is a concentrated, complete and balanced horse feed that can be given dry or as a feed mash. Due to its innovative composition, it is suitable for a wide range of applications. Brandon® can replace the conventional concentrated feed or the roughage can be limited or, on the order of the veterinarian, completely dispensed with altogether. Brandon® is available in three different variants: Brandon® xs, Brandon® xl, Brandon® xp.

Minerals, vitamins and antioxidants provide vital nutrients.

Other feed components include high-quality sources of energy and fibre, highly bioavailable minerals, vitamins and antioxidants. They have a proven positive effect on nutrient absorption from the intestine, regulating blood sugar and insulin levels, supporting the immune system, are antitoxic and protect the mucous membrane.

Low allergy potential

Due to the processing of hypoallergenic ingredients, the herb-free recipe, the absence of cereals in Brandon® xl and the lacto-fermentation of the barley flakes or millet flakes in Brandon® xs and xp, this horse food has a low allergy potential. This makes Brandon® particularly digestible for horses with allergies or gastrointestinal problems.

* The glycaemic index provides information about the effect of easily digestible carbohydrates such as sugar, starch and fructans on the blood sugar level. Glucose is usually used as the reference value.

Brandon® xl is a grain starch free feed with moderate energy content. By replacing grain starch with grain germs, the glycaemic index is decreased. Brandon® xl is particularly suitable for horses where a low content of easily digestible carbohydrates should be taken into account. In addition to bran, which is known for its insulin-regulating effect, high-quality oil-seeds provide antioxidants and vital substances such as omega-3 fatty acids, which are also particularly important for stabilising insulin function.

- Grain starch-free, low-glycaemic crib feed
- For horses with a sensitive gastrointestinal tract and digestive disorders such as faecal water
- Relief of the digestive system
- Also suitable for feeding during convalescence and on standing days
- For feeding skinny horses with metabolic disorders
- Soaked also suitable for feeding older horses with dental problems

Composition

Alfalfa chaff, oat bran, wheat bran, beet fibre, Pala Syrup (Isomaltulose mol.), maize germs, oil cake mixture (linseed, sunflower seeds), rice bran, oil mixture cold pressed (linseed, sunflower oil), calcium carbonate (mineral), salt, vinegar

Ingredients

Crude protein	12.9 %
Crude fat	6 %
Crude fibre	18 %
Crude ash	10 %
Digestible crude protein	91 g/kg
Digestible energy	9.3 MJ/kg
Metabolisable energy	8 MJ/kg
Starch and sugar (precaecal digestible)	< 10 %
Calcium	1,5 %
Phosphorus	0.4 %
Magnesium	0.2 %
Sodium	0.4 %

Additives per kg*

Nutritional additives

Vitamin A ¹	10 000 IU
Vitamin D3 ²	1 600 IU
Vitamin E ³	190 mg
Vitamin B1 ^{5 a,b}	17 mg
Vitamin B2 ⁶	19 mg
Vitamin B6 ⁷	8.6 mg
Vitamin B12 ⁸	72 mcg
Biotin ⁹	410 mcg
Calcium-D-pantothenate ¹⁰	34 mg
Choline chloride ¹¹	334 mg
Niacin and Niacinamide ^{12 a,b}	121 mg
Folic acid ¹³	8.6 mg
Iron ^{16 a,b}	115 mg
Zinc ^{17 a,b}	167 mg
Manganese ^{18 a,b}	170 mg
Copper ^{19 a,b}	27 mg
Cobalt ²⁰	1.2 mg
Selenium ^{21 a,b}	0.5 mg
Iodine ²²	0.6 mg

Technological additives

Diatomaceous earth ²⁶	6 000 mg
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* read the exact connections on page 138.

low carb



Complementary feed for horses

Net content

Paper bag 25 kg

Feeding recommendation

0.5-1.0 kg per 100 kg body weight and day divided into at least 3 portions.

Hay ad libitum or as directed by the veterinarian.

1 litre corresponds to approx. 700 g

Brandon[®] xs is suitable for horses with normal performance requirements that need a low-glycaemic feed. Brandon[®] xs is the standard version. Due to a special processing procedure (lactofermentation), the easily digestible carbohydrates are β -glycosidically bound and thus not enzymatically broken down and absorbed in the small intestine as is usually the case, but the majority reaches the large intestine where they are fermented. As a result, even the standard version Brandon[®] xs has a relatively low glycaemic index despite the grain content.

- For horses that should temporarily do without hay and straw due to problems
- Concentrate for horses with normal performance requirements
- Concentrate in combination with grains (e.g. oats) for horses with high performance requirements
- Follow-up feed after Brandon[®] xl

Composition

Ground alfalfa fibre, oat bran, barley flakes (lactofermented), wheat bran, PalaSyrup (Isomaltulose mol.), ground sunflower seeds, linseed gently cracked, rice bran, oil mixture cold pressed (linseed, sunflower oil), calcium carbonate (marine and mineral), salt, vinegar, maize germs, brewer's yeast, beet fibre, carrots, magnesium fumarate/sulphate, malt-yeast-seasoning, garlic, pea flake meal, fruit fibre (apple/ grape), fennel, turmeric

Ingredients

Crude protein	12 %
Crude fat	4.8 %
Crude fibre	16 %
Crude ash	9 %
Digestible crude protein	83 g/kg
Digestible energy	8.8 MJ/kg
Metabolisable energy	7.5 MJ/kg
Starch and sugar (precaecal digestible)	< 20 %
Calcium	1.2 %
Phosphorus	0.45 %
Magnesium	0.2 %
Sodium	0.3 %

Additives per kg*

Nutritional additives

Vitamin A ¹	10 000 IU
Vitamin D3 ²	1 000 IU
Vitamin E ³	150 mg
Vitamin B1 ^{5b}	10 mg
Vitamin B2 ⁶	15 mg
Vitamin B6 ⁷	8 mg
Vitamin B12 ⁸	30 mcg
Biotin ⁹	400 mcg
Calcium-D-pantothenate ¹⁰	25 mg
Choline chloride ¹¹	200 mg
Niacin ^{12a}	90 mg
Folic acid ¹³	4.5 mg
Iron ^{16b}	50 mg
Zinc ^{17b}	150 mg
Manganese ^{18b}	100 mg
Copper ^{19b}	30 mg
Cobalt ²⁰	1 mg
Selenium ^{21b}	0.5 mg
Iodine ²²	0.5 mg

Technological additives

Diatomaceous earth ²⁶	6 000 mg
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* read the exact connections on page 138.

standard



Complementary feed for horses

Net content
Paper bag 25 kg

Feeding recommendation

0.5-1.0 kg per 100 kg body weight and day divided into at least 3 portions.

Hay ad libitum or as directed by the veterinarian.

1 litre corresponds to approx. 700 g

Brandon® xp is an energy-rich muesli for sport horses or horses with intensive performance demands. Due to a special processing procedure of the millet (lactofermentation), a large part of the starch contained becomes resistant to the small intestine (β-glycosidic binding) and stimulates the formation of energy-rich, short-chain fatty acids in the large intestine. This means a steady supply of energy without high fluctuations in blood sugar. Consequently, the insulin response is also more moderate than with conventional concentrate feeds with grain. In addition to improved stress tolerance, the low-glycaemic feed ensures lower muscle lactate formation and lower heat and sweat production in the sport horse. Brandon® xp also contains fat-rich ingredients (oilseeds) and additional energy sources that are digestible in the large intestine.

- For horses with increased performance requirements
- As supplemental nutrition
- As a follow-on feed after or as a combination feed with Brandon® xl for horses for which grain-free feeding is no longer necessary

Composition

Millet flakes (lactofermented), beet fibre, alfalfa fibre, apple syrup, maize germs, barley flakes (lactofermented), maize flakes (lactofermented), oil mixture cold pressed (linseed, sunflower oil), fruit fibres (apple/ grape), grass chaff warm air dried, rice bran, wheat bran, soy flakes hydrothermally processed*, dicalcium phosphate, calcium carbonate (marine and mineral), salt, malt, PalaSyrup (Isomaltulose mol.), magnesium phosphate/oxide/sulphate/fumarate/lysinate, herbs (fennel, thyme, rosemary, hawthorn, coriander, turmeric, peppermint, nettle, camomile), vinegar, certified plant feed charcoal, seaweed meal, garlic

*Soy from regional contract farming (GMO-free) exclusive for St. Hippolyt

Ingredients

Crude protein	12 %
Crude fat	7 %
Crude fibre	9 %
Crude ash	6 %

Digestible crude protein	83 g/kg
Digestible energy	12 MJ/kg
Metabolisable energy	10.8 MJ/kg
Starch and sugar (precaecal digestible)	< 15 %

Calcium	1.2 %
Phosphorus	0.45 %
Magnesium	0.2 %
Sodium	0.3 %

Additives per kg*

Nutritional additives

Vitamin A ¹	12 000 IU
Vitamin D3 ²	1 300 IU
Vitamin E ³	200 mg
Vitamin B1 ^{5b}	10 mg
Vitamin B2 ⁶	12 mg
Vitamin B6 ⁷	7 mg
Vitamin B12 ⁸	30 mcg
Biotin ⁹	300 mcg
Calcium-D-pantothenate ¹⁰	20 mg
Choline chloride ¹¹	500 mg
Niacin ^{12a}	50 mg
Folic acid ¹³	4.5 mg
Iron ^{16b}	150 mg
Zinc ^{17b}	130 mg
Manganese ^{18b}	130 mg
Copper ^{19b}	35 mg
Cobalt ²⁰	2 mg
Selenium ^{21b}	0.45 mg
Iodine ²²	1 mg

Technological additives

Diatomaceous earth ²⁶	4 600 mg
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* read the exact connections on page 138.

performance



Complementary feed for horses

Net content
Paper bag 20 kg

Feeding recommendation

0.5-1.0 kg per 100 kg body weight and day divided into at least 3 portions.

Hay ad libitum or as directed by the veterinarian.

1 litre corresponds to approx. 420 g

Brandon® c-mash – Intestinal cleansing

A healthy digestive system is the basic prerequisite for a healthy organism. Therefore, the elimination of indigestible feed components, pollutants and waste products from the organism is just as important as the digestion and absorption of nutrients.

No optimal nutrient absorption without self-cleansing

Brandon® c-Mash supports and strengthens the self-cleansing of the intestine and thus improves the absorption of nutrients. The dietary fibres and pectins contained have a high water-binding capacity, which stimulates intestinal activity and facilitates the elimination of harmful substances. In addition, psyllium husks support the mechanical cleansing of the intestines thanks to their swelling capacity. They bind sand deposits, facilitate their excretion and, together with mucilage from linseed, protect the gastrointestinal motor system.

Brandon® c-Mash for the maintenance and restoration of optimised intestinal function:

- To compensate for chronic disturbance of large intestine function
- To compensate for chronic insufficiency of small intestine function
- After colic, surgery, deworming, birth
- During convalescence
- In case of increased stress during competitions, during transport, change of stable, change of coat and lactation
- Stimulates appetite and regulates gastrointestinal motor function
- Protects the gastrointestinal mucosa and cleanses the intestines
- Facilitates the excretion of harmful substances and sand deposits
- Can be used for acute diarrhoea
- Also suitable for older horses
- Ideal in combination with Brandon® plus gastrointestinal

Key nutritional and physiological characteristics:

Easily digestible carbohydrates and proteins from brewer's yeast, maize germs and oilseeds

Composition

Grass chaff warm air dried, linseed gently cracked, psyllium, beet fibre, fruit fibre (apple/grape), wheat bran, beet syrup, barley flakes (lactofermented), brewer's yeast, maize flakes (lactofermented), oilseed gently cracked and oil cake mixture (linseed, sunflower seeds), wholegrain oat flakes (lactofermented), maize germs, apple syrup, PalaSyrup (Isomaltulose mol.), herbs (coriander, camomile, milk thistle seeds, fenugreek, fennel, cinnamon), oil mixture cold pressed (linseed, sunflower oil), carrots, salt, calcium carbonate (marine and mineral), vinegar, magnesium oxide, sunflower blossoms, ginger, cornflower blossoms

Ingredients

Crude protein	12 %
Crude fat	7.5 %
Crude fibre	10 %
Crude ash	6 %
Digestible crude protein	83 g/kg
Digestible energy	11.8 MJ/kg
Metabolisable energy	10.7 MJ/kg
Starch	12 %
Sugar	8 %
Calcium	0.5 %
Phosphorus	0.4 %
Magnesium	0.15 %
Sodium	0.35 %

Additives per kg*

Nutritional additives

Vitamin A ¹	6 800 IU
Vitamin D3 ²	760 IU
Vitamin E ³	100 mg
Vitamin B1 ^{5b}	6 mg
Vitamin B2 ⁶	5 mg
Vitamin B6 ⁷	4 mg
Vitamin B12 ⁸	15 mcg
Biotin ⁹	130 mcg
Calcium-D-pantothenate ¹⁰	14 mg
Choline chloride ¹¹	640 mg
Niacin ^{12a}	50 mg
Folic acid ¹³	2.5 mg
Iron ^{16a}	65 mg
Zinc ^{17a}	67 mg
Manganese ^{18a}	60 mg
Copper ^{19a}	13 mg
Selenium ^{21a}	0.25 mg
Iodine ²²	0.25 mg

Technological additives

Diatomaceous earth ²⁶	7 000 mg
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Diet-complementary feed for horses

to compensate for chronic digestive disorders of the large intestine and to compensate for chronic insufficiency of small intestinal function.

Advice

Make sure that your horse has fresh water available at all times.

* read the exact connections on page 138.



Net content

Bucket 7.5 kg

Feeding recommendation

100-200 g per 100 kg body weight and day for one week as a cure.

50-100 g per 100 kg body weight and day in the long term or until the problem is solved.

Mix with single to double the amount of warm or hot water and let soak for approx. 30 minutes.

1 litre corresponds to approx. 550 g

Brandon® plus – Functional feed additives in horse nutrition.

To meet the individual needs of horses, it is often necessary to optimise feeding with special feed additives.

Nucleotides, a key substance of the functioning organism

Most Brandon® plus feed supplements are characterised, among other things, by a high content of PSB® complexes. These are high-quality, purified nucleotides extracted from yeast by a unique process. Nucleotides are the building blocks of nucleic acids, the carriers of genetic information and key substances in protein biosynthesis. The importance of nucleotides or nucleic acids is reflected in the realisation that every single biological process of a cell, including its division, is directly or indirectly dependent on the cooperation of nucleic acids.

In free-living horses, sufficient nucleotides are usually generated, be it through the formation of new nucleotides in cells, through the recycling of nucleotides from dying cells or through ingestion with food. These processes take time and energy, and not all of the body's own cells are capable of producing nucleotides. These include cells of the immune system, cells of the intestinal mucosa and red blood cells.

Increased need in illness, stress and performance

These factors are especially decisive for horses that have an increased need for nucleotides due to illness, stress, performance, birth etc. In these cases, it is advisable to support the organism in the healing process or in the establishment of balance through the nutritive addition of nucleotides.

Due to natural wear and tear, the intestinal villi are dependent on permanent cell renewal. For regeneration, the organism is dependent on a supply of functional cell building blocks (PSB® complexes), as self-synthesis in the intestinal villi is not possible. Especially for horses in the above-mentioned exceptional situations, it is therefore important to ensure rapid and effective regeneration of the damaged intestinal villi by adding these functional cell building blocks (PSB® complexes). As a result, the active absorption area increases, whereby nutrients and functional substances are absorbed more quickly or transported to their target sites.

The situation is similar with the cells of the immune system. By supplying the functional cell building blocks (PSB® complexes), the limiting time and energy factor is significantly reduced, enabling the immune system to react more quickly and adequately to the corresponding situation.

Since many of the exceptional situations mentioned at the beginning can be accompanied by anaemia, the addition of the highly bioavailable functional cell building blocks (PSB® complexes) is also indicated here so that the organism's response can take place more quickly through new synthesis of red blood cells.

Combined with selected ingredients, the high-quality, purified nucleotides in the form of PSB® complexes lead to an optimisation of the effect of the following feed additives:

Brandon® plus gastrointestinal
Brandon® plus gastro balsam
Brandon® plus respiraticum
Brandon® plus leogard
Brandon® plus hepatic protect
Brandon® plus arthrogard

The following Brandon® plus products without PSB® complexes are very well suited to be combined with the functional additives mentioned above. Depending on the feeding reason, they can be administered simultaneously or alternately.

Brandon® plus medigest
Brandon® plus medigest forte
Brandon® plus joint performer
Brandon® plus tendonizer

Brandon® plus bioscan – For individual needs.

Brandon® plus bioscan is an individual supplement whose composition is based on the results of a bioscan of hair or blood and is adapted to the individual needs of the organism.

The underlying analysis methodology of the bioscan is based on the latest findings in quantum and biophysics: In and around the organism there are electromagnetic waves that control biochemical processes as higher-level energetic information. Cells, cell associations and organs have characteristic electromagnetic oscillations or frequency ranges that reflect the free flow of energy or information. This can be impaired by damaging electromagnetic oscillations of various origins, originating from toxins, allergens, microorganisms, the environment, etc.. The consequences can be manifold and range from fatigue, reduced willingness to perform, altered mental resilience to reduced organ function.

Thanks to the most modern technology, it is now possible to scientifically prove the radiation of cells. The elementary particles of this radiation are called biophotons and researchers assume that biophotons couple to the hereditary substance, which can not only store the biophoton radiation but also emit it.

Hair and blood are considered information carriers for harmful substances or disturbing electromagnetic vibrations and are suitable for determining nutrient deficiencies. With the help of the bioscan, it is possible to determine biophysical disturbances and occurring nutrient deficiencies and to use them as the basis for the composition of a specific, nutritive supplement – Brandon® plus bioscan.

Brandon® plus bioscan is the specific supplement for individual needs with the aim of restoring the biophysical balance, improving the nutrient supply and optimally preparing the organism for further nutritive, medical or alternative treatment measures.

Brandon® plus gastrointestinal –

For the regeneration of the stomach and intestinal mucosa

The main tasks of the intestine include, on the one hand, the digestion, absorption and resorption of nutrients, and on the other hand, the excretion of indigestible food components and waste products from the organism. In addition, the intestine is one of the few organs that is in direct contact with the environment, which is why the intestine-associated immune system is of particular importance. The resulting special position of this organ system explains why damage to the intestinal mucosa and the intestinal microbiome have far-reaching consequences for the entire organism. Especially in horses in exceptional situations such as illness, birth, stress and increased performance requirements, the complex tasks of the gastrointestinal tract can no longer be maintained, which can manifest itself in a variety of ways, such as yawning, teeth grinding, unwillingness to eat, colic susceptibility, weight loss, reduced performance, back problems and inability to ride.

Brandon® plus gastrointestinal supports the organism in maintaining the health of the gastrointestinal mucosa, improves the regeneration of the intestinal villi and consequently the absorption of nutrients in the intestine and contributes to the development of a balanced intestinal microbiome. Through a modern, technical process (micellation), the active ingredients are coated, which means they are better absorbed in the intestine and reach their destination more quickly. ProbioMED® provides functional cell building blocks and other necessary starting substances for cell renewal, thus accelerating the regeneration of damaged tissue. The gently cracked linseed, with its natural mucilage, lines the stomach and intestinal walls, protecting them from harmful influences. In addition, the stimulation of the pre- and probiotic effect of the contained β -glucans and live yeast supports the natural functions of the digestive system.

- To protect the mucous membrane of the stomach and intestines
- For digestive problems
- Strengthens the intestine-associated immune system
- Promotes the regeneration of the stomach and intestinal mucosa
- Promotes nutrient absorption in the intestine
- For the development of a balanced intestinal microbiome
- Enriched with ProbioMED®
- Ideal in combination with Brandon® xl

Composition

Brewer's yeast, oil cake mixture (linseed, sunflower seed), oil mixture cold pressed (linseed, maize germ, canola oil), fruit fibres (apple/grape), yeast products (rich in RNA, nucleotides and β -glucans), rice bran, soy protein concentrate (lactofermented), malt-yeast-seasoning, short-chain peptides, magnesium fumarate/sulphate, ginger, pea flake meal, seaweed meal, turmeric, vinegar, certified plant feed charcoal, fennel, chicory inulin, sea buckthorn macerate

Ingredients

Crude protein	22 %
Crude fat	16 %
Crude fibre	10 %
Crude ash	7 %
Digestible crude protein	175 g/kg
Digestible energy	14 MJ/kg
Metabolisable energy	12 MJ/kg
Starch	3 %
Sugar	3 %
Calcium	0.6 %
Phosphorus	0.65 %
Magnesium	0.55 %
Sodium	0.15 %

Additives per kg*

Nutritional additives

Vitamin B1 ^{5 b}	600 mg
Vitamin B2 ⁶	1 200 mg
Vitamin B6 ⁷	600 mg
Vitamin B12 ⁸	100 mcg
Iron ^{16 a b}	500 mg
Zinc ^{17 b}	1 000 mg
Manganese ^{18 b}	65 mg
Copper ^{19 b}	150 mg
Cobalt ^{20 b}	80 mg

Technological additives

Lecithins ²⁷	23 000 mg
Clinoptilolite ²⁹	230 mg

digestibility enhancer

<i>Saccharomyces cerevisiae</i> ³⁰	3 x 10 ¹⁰ CFU
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* read the exact connections on page 138.



Complementary feed for horses

Net content
Bucket 3 kg

Feeding recommendation

Approx. 20 g per 100 kg body weight and day or as directed by your veterinarian.

Brandon® plus gastrointestinal should be offered mixed with the crib feed. Note: Not suitable for mineralisation to cover requirements.

1 measuring cup corresponds to approx. 100 g

Brandon® plus gastro balsam promotes the regeneration of the glandular mucous membrane of the digestive system.

The main tasks of the intestine include, on the one hand, the digestion, absorption and resorption of nutrients, and on the other hand, the excretion of indigestible food components and waste products from the organism. In addition, the intestine is one of the few organs that is in direct contact with the environment, which is why its immune system plays an exceptionally important role. Consequently, the damage to the gastrointestinal mucosa, the intestinal microbiome and the impairment of the defence system can have far-reaching consequences for the entire organism.

The berries of the sea buckthorn are among the most nutritious native fruits. The fact that sea buckthorn is also called the "lemon of the north" may be due on the one hand to the unmistakably tart taste of its berries, and on the other hand to its extraordinarily high vitamin C content, which exceeds that of citrus fruits many times over.

The macerate made from gently ground components of the sea buckthorn plant is rich in valuable vitamins, minerals, fibre and fruit acids. The flesh of the sea buckthorn berries contains an oil that is rich in carotenoids and polyunsaturated fatty acids, among other things. The special mixture of gently cold pressed maize germ and black cumin oil refined with valuable extracts of sea buckthorn supports the regeneration of the glandular mucosa and strengthens the immune system of the gastrointestinal tract. In combination with Brandon® plus gastrointestinal, Brandon® plus gastro balsam helps with irritations of the gastrointestinal mucosa, especially also in the area of the glandular mucosa of the gastric outlet and the intestine.

- Protects and regenerates the gastric and intestinal mucosa, especially also the glandular mucosa of the stomach
- Strengthens the intestine-associated immune system
- Promotes nutrient absorption in the intestine
- Suitable for foals with irritations in the stomach area
- Ideal in combination with Brandon® plus gastrointestinal

Composition

Oil mixture cold pressed (maize germ and black cumin oil), sea buckthorn, sea buckthorn macerate

Ingredients

Crude protein	< 1 %
Crude fat	99 %
Crude fibre	1 %
Crude ash	1.5 %
Digestible crude protein	< 1 g/kg
Digestible energy	35 MJ/kg
Metabolisable energy	33 MJ/kg
Starch and sugar	0 %
Sodium	< 0.1 %



Complementary feed for horses

Net content
Canister 2.5 l

Feeding recommendation

Approx. 15 ml per 100 kg body weight and day or as directed by your veterinarian.

Brandon® plus gastro balsam should be offered mixed with the crib feed.

Horses can unintentionally ingest a variety of different pollutants with their feed intake. These include mycotoxins (= fungal toxins) which originate from the metabolism of fungi. They live in symbiosis with forage grasses or occur as spoilage pests (mould) in hay, straw or grain. Currently, about 500 different mycotoxins are known, which can burden the horse's metabolism. Many horses are overburdened with the body's own detoxification and show digestive disorders such as faecal water, liver values that deviate from the norm, a weakened immune system, weight loss, loss of performance, reduced feed intake as well as behavioural and rideability problems.

Brandon® plus medigest and Brandon® plus medigest forte are characterised by a high content of bioactive cell wall components of yeasts and lactic acid bacteria, plant polysaccharides, functional fibres and various clay minerals. The purely natural ingredients of Brandon® plus medigest and Brandon® plus medigest forte strengthen and protect the intestinal microbiome from orally ingested toxins that are excreted with the faeces. The absorption of toxins into the organism is reduced.

- For faecal water
- Physical binding
- To promote the regeneration of the intestinal epithelium
- Activation of the intestine-associated immune system
- In case of poor basic feed quality and mycotoxin contamination
- After deworming
- For restlessness
- In very persistent cases of digestive disorders that have been present for a long time, we recommend starting supplementary feeding with Brandon® plus medigest forte and switching to Brandon® plus medigest later.

medigest

Composition

Alfalfa chaff, yeast products (rich in β -glucans and mannano-ligosaccharides), lecithinised vegetable oil, wheat bran, seaweed meal, carrot fermentate, herbs (coriander, marjoram), certified plant feed charcoal, chlorella algae, black cumin, salt, malt-yeast-seasoning

Ingredients

Crude protein	9 %
Crude fat	11 %
Crude fibre	17 %
Crude ash	26 %

Digestible crude protein	55 g/kg
Digestible energy	7.6 MJ/kg
Metabolisable energy	6.5 MJ/kg

Starch	0.1 %
Sugar	0.8 %
Sodium	0.08 %

Additives per kg*

Nutritional additives

Vitamin E ³	3 000 mg
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Technological additives

Diatomaceous earth ²⁶	56 000 mg
Bentonite ²⁸	67 000 mg
Clinoptilolite ²⁹	200 000 mg

Complementary feed for horses

Net content

Bucket 3 kg

Feeding recommendation

At the beginning of application approx. 40 g per 100 kg body weight and day. After improvement, reduce to 10-20 g per 100 kg body weight and day.

Offer in several small doses mixed with the feed.

1 measuring cup corresponds to approx. 100 g



medigest forte

Composition

Yeast products, seaweed lime, seaweed meal, dried bananas

Ingredients

Crude protein	12 %
Crude fibre	2 %
Crude ash	39.5 %

Digestible crude protein	83 g/kg
Digestible energy	6 MJ/kg
Metabolisable energy	5 MJ/kg

Starch	0 %
Sugar	0.2 %
Calcium	1 %
Magnesium	0.3 %
Sodium	0.1 %

Additives per kg*

Technological additives

Diatomaceous earth ²⁶	93 000 mg
Bentonite ²⁸	112 000 mg
Clinoptilolite ²⁹	316 000 mg

* read the exact connections on page 138.

Complementary feed for horses

Net content

Can 1 kg

Feeding recommendation

At the beginning of application approx. 20 g per 100 kg body weight and day. After improvement, reduce to 10-20 g per 100 kg body weight and day.

Offer in several small doses mixed with the feed.

1 measuring spoon corresponds to approx. 10 g



Brandon® plus respiraticum – For the respiratory tract

Acute or chronic sensitivity of the airways is often accompanied by excessive secretion formation and airway irritation. As a result, these changes can lead to permanent respiratory symptoms and difficult breathing. Brandon® plus respiraticum nutritionally supports the restoration of respiratory function through the combination of ProbioMED® (functional cell components) with special vital herbs (functional nutrients). ProbioMED® promotes the local immune response and the regeneration of the mucous membrane of the respiratory tract on the one hand, and the absorption of the active substances of the vital herbs in the intestine on the other. Valuable secondary plant substances act against irritating processes in the respiratory tract, are expectorant and protect against damage caused by oxygen radicals. In addition, the high content of natural minerals, vitamins and amino acids in the brown algae further supports the body's defences.

- For respiratory problems to provide nutritive support for the immune system
- For increased stress on the immune system due to stable changes
- Mucolytic
- For the regeneration of the mucous membrane of the respiratory tract
- Rich in herbal vital substances and brown algae extract
- Enriched with ProbioMED® (functional cell components)

Composition

Herbs (camomile, peppermint, Iceland moss, nettle, burnet, fennel, dandelion, hibiscus, sage, anise, yarrow, ribwort, juniper, coriander, horsetail, wild garlic, caraway) 75 %, yeast products (rich in RNA, nucleotides and β-glucans), oil seed mixture (linseed, sunflower seeds, black cumin seeds), apple syrup, calcium carbonate (marine and mineral), short-chain peptides, fruit fibres (apple), oil mixture cold pressed (linseed, sunflower, canola oil), certified plant feed charcoal, salt, magnesium oxide, seaweed meal, dicalcium phosphate, chicory inulin, dextrose, honey

Ingredients

Crude protein	12 %
Crude fat	5 %
Crude fiber	15 %
Crude ash	14 %
Digestible crude protein	83 g/kg
Digestible energy	8.9 MJ/kg
Metabolisable energy	7.6 MJ/kg
Starch	3.9 %
Sugar	4.9 %
Sodium	0.5 %

Additives per kg*

Nutritional additives

Vitamin A ¹	22 000 IU
Vitamin D3 ²	2 400 IU
Vitamin E ³	3 000 mg
Vitamin C ⁴	3 000 mg
Vitamin B1 ^{5b}	800 mg
Vitamin B2 ⁶	1 600 mg
Vitamin B6 ⁷	800 mg
Vitamin B12 ⁸	200 mcg
Biotin ⁹	2 000 mcg
Calcium-D-pantothenate ¹⁰	45 mg
Choline chloride ¹¹	2 500 mg
Niacin ^{12a}	100 mg
Folic acid ¹³	10 mg
Iron ^{16ab}	400 mg
Zinc ^{17ab}	800 mg
Manganese ^{18ab}	750 mg
Copper ^{19ab}	100 mg
Selenium ^{21a}	0.6 mg

Technological additives

Diatomaceous earth ²⁶	20 000 mg
Clinoptilolite ²⁹	200 mg

* read the exact connections on page 138.



Complementary feed for horses

Net content

Bucket 3 kg

Feeding recommendation

Approx. 20 g per 100 kg body weight and day or as directed by your veterinarian.

Brandon® plus respiraticum should be offered mixed with the crib feed. Note: Not suitable for mineralisation to cover requirements.

1 measuring cup corresponds to approx. 100 g

The horse is exposed to a variety of external influences. Especially in today's stressful times, the organism is constantly put to the test: Competitions, transports, stable changes, strong climatic fluctuations, coat changes, infection pressure, unfavorable husbandry management, insufficient basic feed supply and quality as well as insufficient micronutrient supplies. This often leads to reduced performance, susceptibility to infections, poor health, a weak immune system and, most importantly, reduced well-being of the horse. Especially these non-specific risks require a strong organism, with vital organs and an intact immune system. Through the specific selection and innovative liposomal encapsulation of nutrients, Brandon® plus leogard ensures a successful comeback of the horse.

The power of nature

Brandon® plus leogard combines propolis, nucleotides and selected plants, herbs and spices known for their beneficial and vitalizing properties. Propolis is characterized by its anti-inflammatory and wound-healing properties. Functional nucleotides (DNA building blocks) promote cell renewal and thus tissue regeneration. Ginseng promotes energy and strength, regulates blood sugar and strengthens the immune system. Specially and gently processed algae provide natural carotenoids such as highly antioxidative astaxanthins, which also have an anti-inflammatory character and increase both mitochondrial capacity and the formation and functioning of immune cells. Due to the similarity of the membranes of astaxanthins and somatic cells, uptake (endocytosis) is greatly facilitated by the fusion of the membranes. Ashwaganda, from its very name, means "smell of the horse" and has a variety of beneficial properties, with stress-reducing and calming being particularly noteworthy. Artichokes support the function of the liver, the main organ of intermediate metabolism. Licorice root is used to regenerate the respiratory and gastrointestinal tracts.

The comeback of vitality

Due to the multitude of secondary plant substances and the associated vitalizing properties, Brandon® plus leogard promotes the regeneration and well-being of the horse – in a holistic way. Regardless of the cause, whether in times of higher stress, in convalescence, during the change of coat, in old age, or simply in between as a vitalizing Booster – Brandon® plus leogard supports the comeback of the horse.

Liposomal encapsulation for increased bioavailability many times over

In Brandon® plus leogard, nutrients are liposomal encapsulated for protected delivery to their destination in the body. Dispersed by nanodispersion into minute droplets, liquids are formed with stable liposomes and the micronutrients enclosed within. The overall effect is an increased efficiency of the respective micronutrient due to the bioavailability and resorption rate increased many times over. Brandon® plus leogard is suitable for every type of horse due to the low dosage.

- For immune system, energy and vitality
- In times of increased physical and mental stress
- With vital substance-rich ashwagandha, ginseng and propolis
- Contains algae with strong antioxidant capacities
- With functional nucleotides to support tissue regeneration
- Suitable for all types of horses
- Innovative liposomal encapsulation of the micronutrients



Composition**

Whole plant decomposition (spirulina algae, beet root, ashwagandha, artichoke, ginseng, licorice root, turmeric), propolis, yeast products (rich in RNA and nucleotides)

Ingredients

Crude protein	0.1 %
Crude fat	1.7 %
Crude fibre	0.1 %
Crude ash	0.1 %
Calcium	0 %
Phosphorus	0 %
Magnesium	0 %
Sodium	0 %

Additives per kg*

Nutritional additives**

Vitamin C ⁴	5 000 mg
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Technological additives**

Lecithins ²⁷	20 000 mg
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* read the exact connections on page 138.

** Liposomal encapsulated nutrients

Complementary feed for horses

Net content

Dosing bottle 1 l

Feeding recommendation

Offer approx. 5 ml per 100 kg body weight and day mixed with the crib feed or administer directly via a mouth syringe.

Note: In case of need, double the amount can be given temporarily.

Brandon® plus hepatic protect – For the regeneration of the liver

The liver is the central metabolic organ of the organism. It is responsible for the production of vital proteins, for the utilisation of nutrients, for the production of bile and for the breakdown and excretion of metabolic products, medicines and toxins. Spoiled food, medicines, poisonous plants or pollutants from the environment can damage the liver and consequently endanger the horse's health. Brandon® plus hepatic protect supports the complex liver metabolism and the regeneration of liver tissue.

ProbioMED® (valuable nucleotides of the PSB®-complex and β-glucans) in combination with high-quality amino acids provide the ideal building blocks for the formation of new liver cells. The milk thistle seeds also support the synthesis of liver cells and have a protective effect on the liver. In addition, bioactive bitter substances from the artichoke stimulate bile production and bile flow and consequently lead to improved fat digestion. Furthermore, natural antioxidants from grape seeds as well as vitamin E and essential fatty acids from linseed oil protect against damaging free radicals.

- Supports liver cell regeneration
- Activates liver metabolism
- For increased stress, tiredness and poor performance
- Protects the liver cells
- Enriched with ProbioMED®

Composition

Yeast products (rich in RNA and nucleotides), herbs (milk thistle seed, camomile, coriander, fennel, turmeric) 14 %, beet fibre, malt, rice bran, wheat bran, maize germs, alfalfa chaff, PalaSyrup (Isomaltulose mol.), oil seed mixture gently cracked (linseed, sunflower seeds), carrots, fruit fibres (apple/grape), garlic, oil mixture cold pressed (linseed, sunflower, canola oil), artichoke, seaweed lime, seaweed meal, salt, magnesium fumarate/-oxide/-sulphate, chlorella algae, dicalcium phosphate, pea flake meal, chicory inulin, dextrose

Ingredients

Crude protein	15 %
Crude fat	8 %
Crude fibre	11 %
Crude ash	8 %
Digestible crude protein	110 g/kg
Digestible energy	11.5 MJ/kg
Metabolisable energy	10 MJ/kg
Starch	9 %
Sugar	8 %
Calcium	1 %
Phosphorus	0.65 %
Magnesium	0.3 %
Sodium	0.4 %
Lysine	0.7 %
Methionine	0.3 %

Additives per kg*

Nutritional additives

Vitamin A ¹	15 000 IU
Vitamin D3 ²	2 000 IU
Vitamin E ³	3 000 mg
Vitamin C ⁴	3 500 mg
Vitamin B1 ^{5a}	1 000 mg
Vitamin B2 ⁶	2 000 mg
Vitamin B6 ⁷	3 000 mg
Vitamin B12 ⁸	200 mcg
Biotin ⁹	800 mcg
Calcium-D-pantothenate ¹⁰	35 mg
Choline chloride ¹¹	2 500 mg
Niacin and Niacinamide ^{12ab}	100 mg
Folic acid ¹³	7 mg
Iron ^{16ab}	200 mg
Zinc ^{17ab}	800 mg
Manganese ^{18ab}	750 mg
Copper ^{19ab}	100 mg
Selenium ^{21ab}	0.22 mg

Technological additives

Diatomaceous earth ²⁶	3 000 mg
Clinoptilolite ²⁹	180 mg

Digestibility enhancer

<i>Saccharomyces cerevisiae</i> ³⁰	3.18x10 ⁹ CFU
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* read the exact connections on page 138.



Complementary feed for horses

Net content

Bucket 3 kg

Feeding recommendation

Approx. 20 g per 100 kg body weight and day or as directed by your veterinarian.

Brandon® plus hepatic protect should be offered mixed with the crib feed. Note: Not suitable for mineralisation to cover requirements.

1 measuring cup corresponds to approx. 100 g

Brandon® plus arthrogard – Combi joint + bone

Brandon® plus arthrogard is composed of a unique combination of ProbioMED® (PSB® complexes, β-glucans, low molecular weight bioactive peptides, natural synbiotic substances and Biochar), high-quality glycosaminoglycans (mucopolysaccharides) from quality-tested and efficacy-certified extract of New Zealand green lipped mussel (GLME), chondroitin sulphate, methylsulphonylmethane (MSM), hyaluronic acid and peptide collagens. They provide the body with the right source substances to equally support the maintenance of the health of the musculoskeletal system and promote its regeneration. The restoration and maintenance of the functionality of these tissue structures is additionally supported by the nutritive effect of organic silicon from field horsetail and seaweed extracts as well as high-quality protein sources. In addition, natural antioxidants such as secondary plant substances from grape seeds, vitamin E and omega-3 fatty acids from linseed as well as mussel extract protect the tissue cells from damage by free oxygen radicals.

- Promotes healthy metabolism of joints, tendons and ligaments
- Supports regeneration, resilience and elasticity of the bone in joint and bone problems
- For age-related signs of wear and tear of the musculoskeletal system
- For sport horses with increased training requirements
- Promotes bone development in growing horses
- Unique combination of quality-tested and efficacy-certified extract of freeze-dried New Zealand green lipped mussels (Biolane®), collagen peptides and ProbioMED®
- Ideal to combine with Brandon® plus tendonizer or Brandon® plus joint performer

Composition

Yeast products (rich in RNA, nucleotides and β-glucans), maize germs, herbs (fennel-anise, peppermint, coriander, field horsetail, rosemary, thyme, nettle, camomile) 9 %, malt, beet fibre, oil cake mixture (linseed, sunflower seeds), collagen hydrolysate (low molecular), New Zealand green lipped mussel (GLME), rice bran, Calcium carbonate (marine and mineral), oil mixture cold pressed (linseed, sunflower oil), fruit fibres (apple/grape), garlic, salt, PalaSyrup (Isomaltulose mol.), seaweed meal, D-glucosamine HCl of plant origin, carrots, MSM, magnesium fumarate/sulphate, dicalcium phosphate, ginger, chondroitin sulphate, certified plant feed charcoal, vinegar, chicory inulin, hyaluronic acid

Ingredients

Crude protein	20 %
Crude fat	10.5 %
Crude fibre	6.7 %
Crude ash	14 %
Digestible crude protein	156 g/kg
Digestible energy	12 MJ/kg
Metabolisable energy	10 MJ/kg
Starch	10 %
Sugar	6 %
Calcium	1.5 %
Phosphorus	0.6 %
Magnesium	0.3 %
Sodium	1 %
Lysine	1 %
Methionine	1.6 %
Methionine + Cysteine	1.8 %
New Zealand green lipped mussel	56 200 mg/kg
D-glucosamine	9 000 mg/kg
MSM	4 495 mg/kg
Chondroitin sulphate	3 000 mg/kg
Hyaluronic acid	500 mg/kg



Additives per kg*

Nutritional additives

Vitamin A ¹	69 100 IU
Vitamin D3 ²	7 680 IU
Vitamin E ³	5 180 mg
Vitamin C ⁴	1 870 mg
Vitamin B1 ^{5 b}	70 mg
Vitamin B2 ⁶	100 mg
Vitamin B6 ⁷	50 mg
Vitamin B12 ⁸	160 mcg
Biotin ⁹	770 mcg
Calcium-D-pantothenate ¹⁰	77 mg
Choline chloride ¹¹	1 540 mg
Niacin ^{12 a}	150 mg
Folic acid ¹³	20 mg
Iron ^{16 a b}	250 mg
Zinc ^{17 a b}	975 mg
Manganese ^{18 a b}	800 mg
Copper ^{19 a b}	260 mg
Cobalt ²⁰	3 mg
Selenium ^{21 a}	2 mg
Iodine ²²	3.1 mg

Nutritional additives

Diatomaceous earth ²⁶	5 600 mg
Clinoptilolite ²⁹	190 mg

* read the exact connections on page 138.

Complementary feed for horses

Net content Bucket 3 kg

Feeding recommendation

Approx. 20 g per 100 kg body weight and day or as directed by your veterinarian.

Brandon® plus arthrogard should be offered mixed with the crib feed. Note: Not suitable for mineralisation to cover requirements.

1 measuring cup corresponds to approx. 100 g

Brandon® plus tendonizer – For tendons and ligaments

Organically active sulphur compounds, including methsulphonylmethane (MSM), are of crucial importance for the structure and function of tendons, ligaments and cartilage. A deficiency can lead to structural changes in these tissues and consequently to reduced strength or resilience. However, MSM is not only important for the maintenance of an intact function of these tissue structures, but also promotes their regeneration after injuries due to misuse and overload.

Brandon® plus tendonizer contains high-quality MSM, glycosaminoglycans (mucopolysaccharides) and chondroitin sulphate for the healthy maintenance and regeneration of the tendon and ligament apparatus in the necessary concentration.

Liposomal encapsulation for increased bioavailability many times over

In Brandon® plus tendonizer liquid, nutrients are liposomal encapsulated for protected delivery to their destination in the body. Dispersed by nanodispersion into minute droplets, liquids are formed with stable liposomes and the micronutrients enclosed within. The overall effect is an increased efficiency of the respective micronutrient due to the bioavailability and resorption rate increased many times over.

- For disturbed function of tendons and ligaments
- Supports the metabolism and regeneration capacity of the tendon and ligament apparatus
- Increases the resilience of tendons and ligaments
- Innovative liposomal encapsulation of micronutrients
- Ideal to combine with Brandon® plus arthrogard or Brandon® plus joint performer

Composition**

Malt-yeast-seasoning, D-glucosamine HCl of plant origin, MSM, chondroitin sulphate

Additives per kg*

Nutritional additives**

Vitamin C⁴ 4 000 mg

Technological additives**

Lecithins²⁷ 20 000 mg

* read the exact connections on page 138.

** Liposomal encapsulated nutrients



Ingredients

Crude protein	1.5 %
Crude fat	2 %
Crude fibre	2.2 %
Crude ash	1 %
Digestible crude protein	< 0.1 g/kg
Digestible energy	12.7 MJ/kg
Metabolisable energy	12.5 MJ/kg
Starch	2.7 %
Sugar	0.3 %
Sodium	0.3 %

Complementary feed for horses

Net content

Dosing bottle 1.2 l

Feeding recommendation

Approx. 40 ml (large horse) per day or as directed by your veterinarian.

Withdrawal time for sport horses due to the FN-rules: 48 hours*

* Please observe your currently country-specific anti-doping guidelines.

Brandon® plus joint performer – To support the joints

The nutritive supply of cartilage, tendons, ligaments and bones is essential for the resilience of these tissues. Inadequate supply results in a loss of function of the affected anatomical structures. Therefore, the addition of functional substances is particularly useful for older horses and horses with an increased load in order to prevent signs of wear and degenerative changes or to promote the regeneration of the musculoskeletal system.

Brandon® plus joint performer contains a high concentration of hyaluronic acid, chondroitin sulphate and functional substances from artichoke macerate. This provides the organism with high-quality raw materials that support and promote the metabolism and the body's own repair processes in the joints, but also in tendons and ligaments.

- Supports joint metabolism
- Promotes regeneration in the case of signs of wear and tear
- For sport horses with increased strain
- For strengthening ligaments, tendons and joints
- For degenerative changes
- High acceptance and bioavailability
- Ideal to combine with Brandon® plus arthrogard or Brandon® plus tendonizer

Composition

Fructose, D-glucosamine HCl of plant origin, chondroitin sulphate, artichoke macerate, ginger, hyaluronic acid, vanilla

Additives per kg*

Nutritional additives

Vitamin C⁴ 2 000 mg

* read the exact connections on page 138.

Ingredients

Crude protein	4 %
Crude fat	1 %
Crude fibre	2 %
Crude ash	1 %
Digestible crude protein	9.5 g/kg
Digestible energy	12.5 MJ/kg
Metabolisable energy	12 MJ/kg
Starch	0 %
Sugar	31 %
Calcium	0.1 %
Magnesium	0.12 %
Sodium	0.5 %
Lysine	3.4 %

Complementary feed for horses

Net content

Dosing bottle 1.2 l

Feeding recommendation

Approx. 40 ml (large horse) per day or as directed by your veterinarian.

Withdrawal time for sport horses due to the FN-rules: 48 hours*

* Please observe your currently country-specific anti-doping guidelines.



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St Hippolyt®

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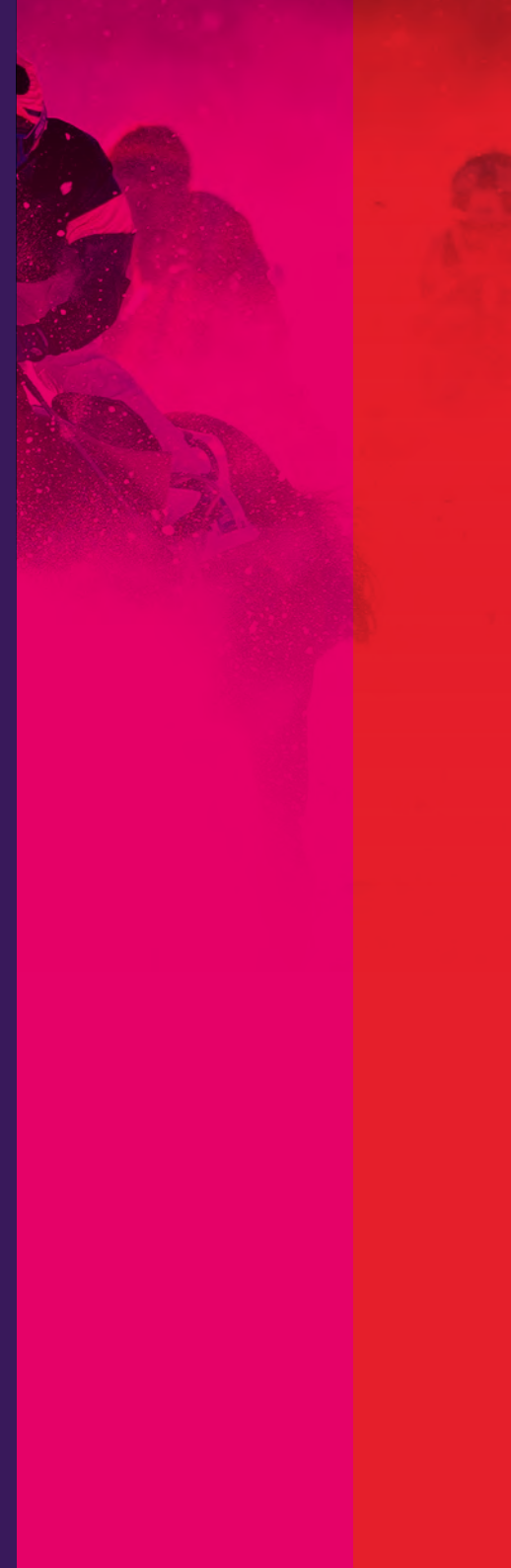
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Customer proximity is important to us

Our task is to support the well-being of the horse on a nutritive level and to assist you in this area with help and advice. We are at your disposal for all matters concerning the horse's nutrition with:

- a reliable sales structure &
- competent advice

We would like to offer you quick and expert help when it comes to developing a needs-based and individual ration for your horse. We are there for you – by phone, email or personally at your horse's stable. Online on our homepage, Facebook and Instagram, we offer you numerous information opportunities on the topic of horse feeding from science and practice.

International presence

You can meet the St. Hippolyt® team up close at numerous trade fairs worldwide. Here you can experience our products, receive samples and get competent advice. We look forward to welcoming you soon at our stand.

Feeding Concepts – The Guide

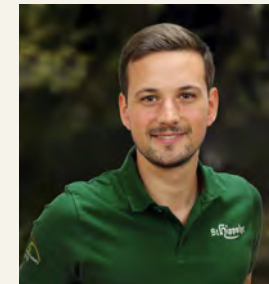
In the feeding concepts, which you can request from us free of charge, view online or obtain from your local feed dealer, you will find concrete instructions and suggestions for basic rations and the possible combinations of our products, taking into account various problem situations.



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The labelling information required by feed law refers to the time of printing of the catalogue. Changes are possible. We reserve the right to make changes.
Status: September 2023

IDENTIFICATION NUMBERS OF ADDITIVES

Nutritional additives

Vitamin A.....	3a672a	1
Vitamin D3.....	3a671	2
Vitamin E.....	3a700	3
Vitamin C.....	3a300	4
Vitamin B1.....	3a820	5a
Vitamin B1.....	3a821	5b
Vitamin B2.....	3a825i	6
Vitamin B6.....	3a831	7
Vitamin B12/Cyanocobalamin.....		8
Biotin.....	3a880	9
Calcium-D-pantothenate.....	3a841	10
Cholin chloride.....	3a890	11
Niacin.....	3a314	12a
Niacinamide.....	3a315	12b
Folic acid.....	3a316	13
Beta-carotene.....	3a160(a)	14
Menadione nicotinamide bisulphite ...	3a711	15
Iron.....	as iron(II) sulphate monohydrate 3b103	16a
.....	as iron(II) chelate of protein hydrolysate 3b108	16b
Zinc.....	as zinc sulphate monohydrate 3b605	17a
.....	as zinc chelate of glycine hydrate (solid) 3b607	17b
Manganese.....	as manganese(II)sulphate, monohydrate 3b503	18a
.....	as manganese chelate of glycine hydrate 3b506	18b
Copper.....	as copper(II) sulphate pentahydrate 3b405	19a
.....	as Copper(II) chelate of glycine hydrate (solid) 3b413	19b
Cobalt.....	as coated granulated cobalt(II)carbonate 3b304	20
Selenium.....	as sodium selenite 3b80	21a
.....	as selenised yeast <i>Saccharomyces cerevisiae</i>	
.....	CNCM I-3060, inactivated 3b810	21b
.....	as selenised yeast <i>Saccharomyces cerevisiae</i>	
.....	NCYC R397, inactivated 3b811	21c
Iodine.....	as calcium iodate anhydrous 3b202	22
Carnitine.....	as L-carnitine 3a910	23
Lysine.....	as L-lysine monohydrochloride (technically pure) 3c322	24

Methionine.....	as DL-methionine (technically pure) 3c301	25
Threonine.....	as L-threonine 3c410	32

Technological additives

Kieselgur.....	as Kieselgur, diatomaceous earth, purified E551c	26
Lecithins.....	1c322i	27
Bentonite.....	1m558i	28
Clinoptilolite.....	as Clinoptilolite of sedimentary origin 1g568	29
Colloidal silica.....	as Colloidal silica E551b	31
Tocopherol extracts		
from vegetable oils.....	1b306 (i)	32

Digestibility enhancer

<i>Saccharomyces cerevisiae</i> CBS 493.94 4a1704.....	30
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Further declarations



Products marked herewith are not ADMR-compliant (not doping-free) and may only be used conditionally with show horses. Please observe the withdrawal periods stated in the feeding recommendations.



Products marked with this symbol are free of cereal starch. A grain-free ration is recommended in case of overweight, various metabolic disorders or stomach problems.



Products marked with this symbol are liquid products in which the nutrients are liposomally encapsulated or micellated. These products have a very high bioavailability.

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