



KRAFFT

SWEDISH HORSE NUTRITION

 **PRODUCT CATALOGUE**



TABLE OF CONTENTS

• Responsibility from field to feed sack	4
• KRAFFT Direct	6
• Part of Lantmännen's Climate & Nature programme	8
• Individually adapted feed ration	10
• The horse's weight	11
• Determine body condition	12
• Everyday routines	14
• Rationing of the feed	15
• Composition of the feed	16
• Team KRAFFT	17
• Our icons protein/energy	18
• Amino acids – the building blocks of protein	19
• Minerals	20
• Water	21
• Salt	21
• Our range	22
• Performance	24
• Build slow-release energy	30
• Boost fast-release energy	34
• Concentrates – higher mineral content	38
• Special products	42
• Leisure	48
• Lucerne	52
• Minerals	56
• Supplements	60
• Analysis guarantee	66
• Toxic plants	70
• Personal notes	72
• Feed chart	75

RESPONSIBILITY FROM SOIL TO FEED



Thank you for choosing great feed from Lantmännen!

We're owned by Swedish farmers. By selecting our products you contribute to vigorous, viable agriculture. Let's take responsibility from field to feed sack together!

KRAFFT is owned by Lantmännen, a cooperative owned in turn by Swedish farmers. This means almost all of our ingredients begin as a little seed in a field in Sweden. We grow things using sustainable cultivation methods with full control over an ingredient's journey from the field to the feed sack. Everyone who comes in contact with KRAFFT and Lantmännen can rest assured that we work to achieve viable agriculture, greener energy and a sustainable food chain. Both today and tomorrow.

We launched our first feed more than 30 years ago, based on our conviction that every horse is unique and that individually optimised feed can make all the difference and help your horse enjoy a healthy balance and perform at its very best.

EXPERTISE, RESEARCH AND DEVELOPMENT

Our feeds are developed on the basis of extensive expertise, research and development. We are proud to be Sweden's best-selling feed, both among professionals and amateur riders. We're also proud that

whenever you choose KRAFFT, you choose the same feeds as the Swedish national equestrian centers.

BECAUSE WE CARE

Horses are fantastic creatures – powerful yet sensitive. In order to guarantee the very highest quality for both your horse and the environment, we use natural ingredients from sustainable agriculture. For us, it's important we take responsibility for the entire process – from field to feed sack.

CAREFUL PRODUCT DEVELOPMENT

All our products have been specially developed to be suitable for the horse's digestive system, and are thoroughly tested to meet the standards set by our company and our costumers.



WE WILL HELP YOU COMPOSE A FEED RATION THAT IS SPECIALLY DESIGNED FOR YOUR HORSE

We know that there are many questions regarding the feed ration and there is not always someone nearby to ask, therefore we have made it easy for you. You can always call or e-mail us at KRAFFT Direct. This service is free of charge and you do not need to be a customer of ours in order to call. However, the advice we give is based on our products, since these are the products we know and the ones we work with!



Hi there! Greetings from KRAFFT Direct. You can reach us at +46 10 556 30 40 and at direct@krafft.nu. We're available on regular business days. From left to right: Malin, Annika and Sara.

QUESTIONS AND ANSWERS

How should older horses be fed?

ANSWER: Many older horses can handle the same feed as younger horses, but due to their lower uptake, they need 15-20 per cent extra energy and nutrients depending on the difficulty a horse has in maintaining its weight. Careful acclimatisation and long transition periods apply to all feeds. If a horse has difficulty chewing due to tooth problems and/or temporomandibular joint disease, soaked alfalfa (coarse feed), dried sugar beet pulp, oil, soaked pellet feed, mash and boiled linseed are suitable feeds. It's important to provide mineral and vitamin supplements suitable for the coarse fodder – and sufficient vitamin E and selenium. We recommend early harvested, nutritious hay or silage for normal straw feed.

Do I need to soak pellets before feeding?

ANSWER: Not usually. Our pellets are made to be eaten as they are as they provide good crunch for the horse. However, for some horses it may be best to soak the feed for a while beforehand, e.g. horses with tooth problems or those with a tendency to gobble down their feed without chewing. However, we recommend soaking lucerne pellets and pelleted mash for a while before feeding.

What should I give a horse that sweats a lot when working in the summer heat?

ANSWER: Horses lose a great deal of salt when they sweat heavily. It's important to replace lost salt quickly, especially for performance. This is because salt plays an important part in regulating thirst. The quickest way to replace it is to provide a physiological saline solution, i.e. one with the same salinity as the horse's blood. It's easy to mix, just dissolve 9 g of salt in 1 litre of water. We also recommend electrolytes after a tough training session if a horse has sweated more than usual, as well as when racing for faster recovery before the next start. Remember, because electrolytes are not stored, you cannot "charge up" a horse ahead of time. Also, always remember to provide your horse with clean water, preferably in a bucket.

We are part of LANTMÄNNEN'S CLIMATE & NATURE PROGRAMME

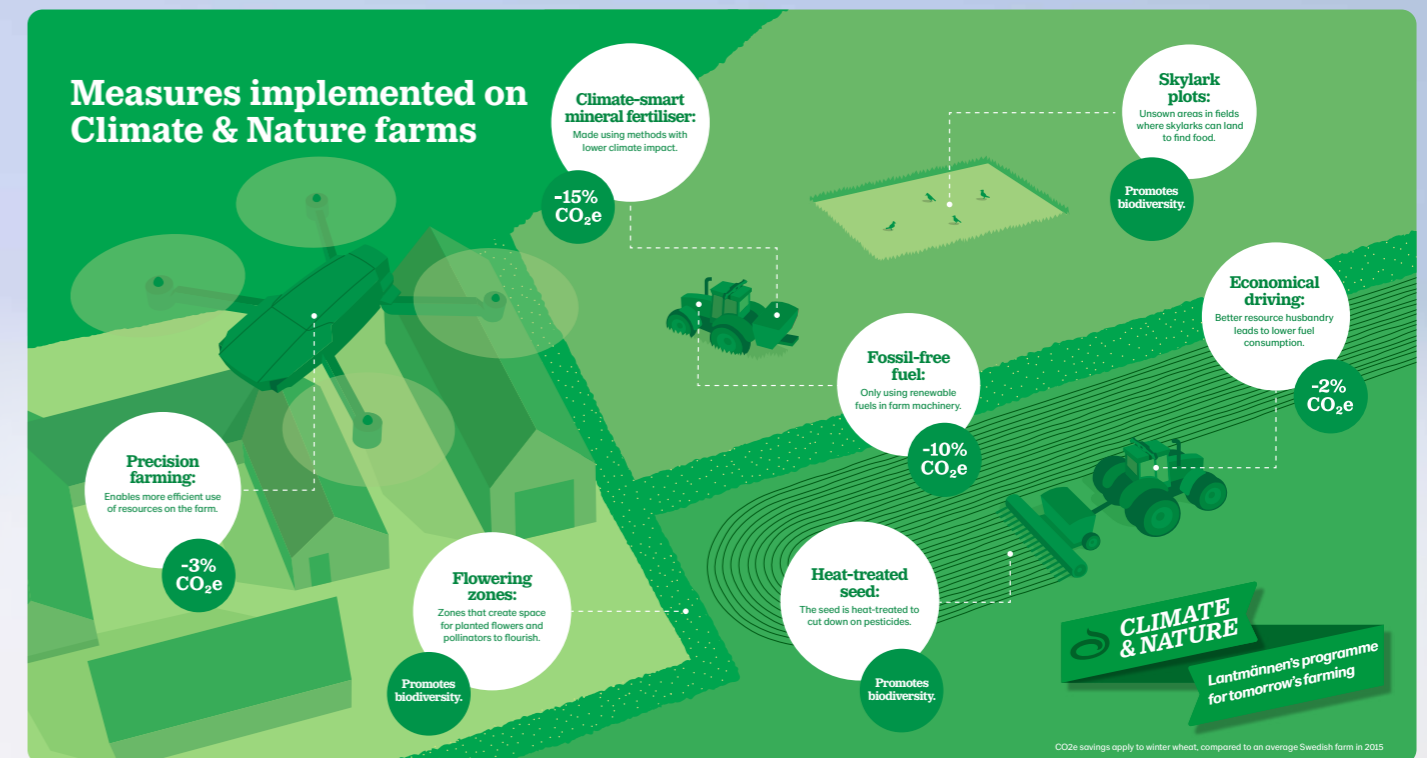
KRAFFT is the first horse feed producer to launch feed linked to Lantmännen's Climate & Nature farming programme, which focuses on e.g. biodiversity, lower climate impact and sustainable agriculture. We began the work in 2022 through our best-sellers KRAFFT GROOV Original and GROOV Protein, and now we're continuing our efforts to climate-proof our product range for the future.

To slow climate change while also safeguarding productive agriculture for future generations, we must reduce our climate impact. Because we have a responsibility to strive for a sustainable supply chain, the Lantmännen group has reduced CO2 emissions from food and feed production by more than 70% since 2009. But if we are to achieve our global climate goals together, we also need to create

conditions to transform primary production itself, where the biggest climate impact takes place. The goal is to achieve climate neutral agriculture by 2050.

We can do more in the horse industry

Climate and sustainability issues have always been important to us at KRAFFT. For example, the majority of our feed has always been produced responsibly in Sweden, using Swedish ingredients from our members' farms. But that's not enough for us. We need to take the next step in our sustainability work and it's more relevant today than ever. Supplying food to people and our animals accounts for a major part of the world's climate-forcing emissions. For KRAFFT, it's all about ensuring a climate-friendly food chain in horse feed production.



Focusing on biodiversity and reducing climate impact on the farm

The illustration above shows some of the measures that apply to farmers who have joined Climate & Nature. For example, by setting up skylark plots in fields or by using fossil-free fuel in farm machinery, we contribute to biodiversity around the field and reduce our climate impact on the farm by 30%. Meanwhile, Lantmännen is preparing for the next stage by developing the programme with new, innovative and sustainable cultivation methods. The goal is to create conditions to allow all Swedish farms to transform production such that we can achieve climate-neutral agriculture before 2050.

As a first step, we joined the programme with our biggest products, GROOV Original and GROOV Protein. This means an equivalent volume of

the grain used to make these products will be contracted from farmers who have joined Climate & Nature.

Together we can make a difference!

Join us in taking responsibility for a better future with sustainable cultivation methods! We hope it's as important to you as it is to us. We're convinced it will make a difference for mankind, horses and nature. Right here, right now and especially in the future. Whenever you use a sack labelled Climate & Nature, you're helping us develop a more sustainable Swedish agriculture.

Want to know more?

Scan the code to find out more about all of the important initiatives and measures included in the Climate & Nature farming programme. Or visit kraffthorsenutrition.com



INDIVIDUALLY ADAPTED FEED RATION

– BASED ON YOUR HORSE'S PREREQUISITES AND NEEDS

Your horse's needs are governed by several different parameters: the size of the horse, if it is an easy keeper/hard keeper and how much it is trained. In addition, young horses whom are still growing needs more energy and protein to facilitate growth and gaining of muscles. Mares at the end of gestation and those lactating have much greater needs when it comes to nutrition to be able to meet both their own and their foal's needs. When calculating the nutritional needs consider all prerequisites of the horse. Predicted needs have been published in the feed recommendations for horses (2013) from the Swedish Univeristy of Agriculture (SLU).

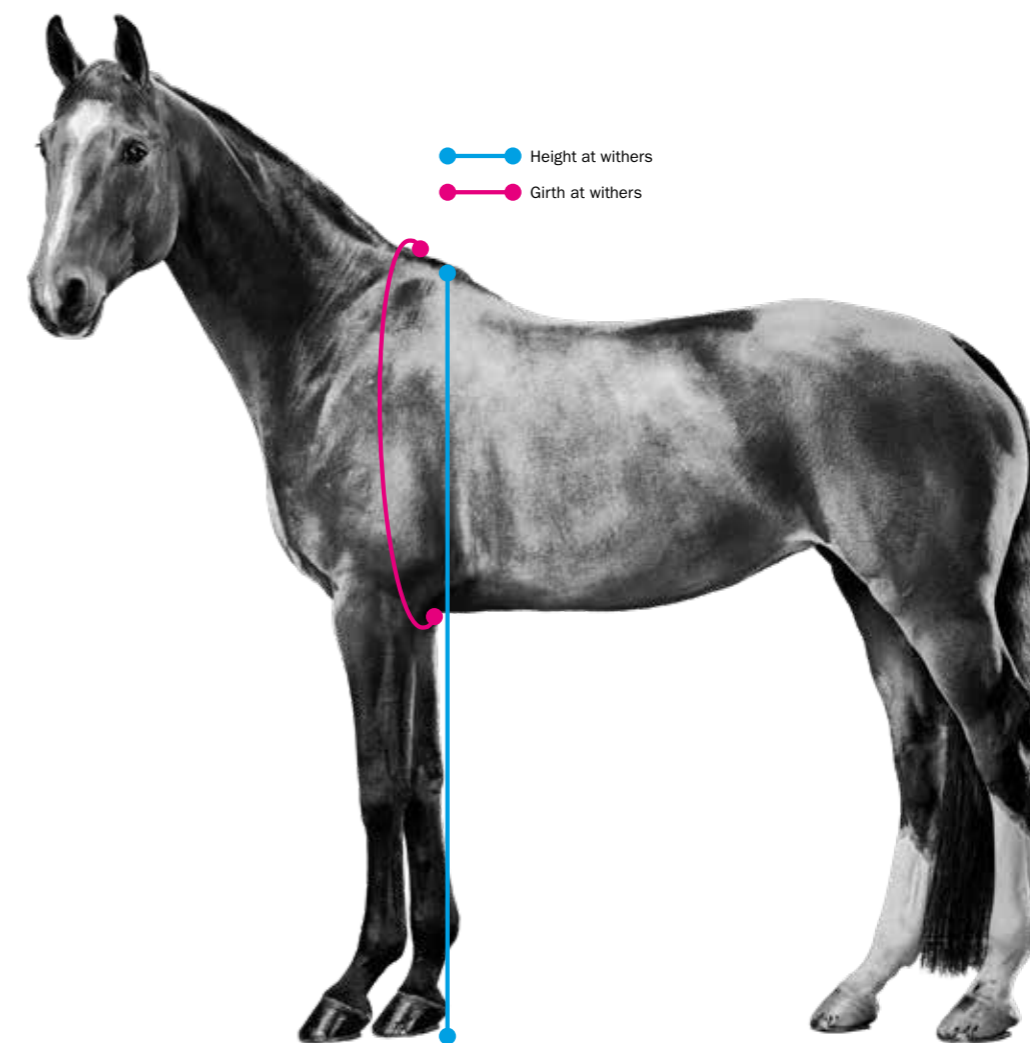
HOW DOES THE HORSE'S DIGESTION WORK?

The horse's digestive system is both complex and extremely sensitive. The stomach is relatively small – approximately 10 litres – while the colon, with appendix and large intestine, holds more than 100 litres. The feed passes through the stomach and small intestine relatively fast and the horse has limited possibilities of utilising starch and fat. Therefore, the horse extracts as much as 60-75% of its energy by breaking down fibre. Micro-organisms help the horse to break down the feed and release fatty acids that the horse can use as a source of energy. In order to maintain well-balanced intestinal microflora, the feed ration's content of crude fibre is of crucial significance.

THE WEIGHT OF THE HORSE'S FORAGE

You should reckon on giving at least 1-1.5 kg of dry matter forage (for example, hay, haylage, grass, lucerne, straw) per 100 kg horse and day in order to fulfil the

horse's need for fibre and mastication. In order to know how much nutrition your horse is getting from the forage, the nutritional content should be analysed. Depending on the nutritional values of the forage, you may need to supplement with a concentrate to meet the horse's remaining needs for energy, protein and/or minerals – adapted to suit the horse's work, gestation or growth. Offer forage and fresh water before giving concentrate, preferably dividing up the feed into several portions per day.



HOW MUCH DOES THE HORSE WEIGH?

In order to calculate a suitable feed ration, you must first find out how much the horse weighs. This is not always easy to do if you do not have access to a scale. Some people take the opportunity of weighing their horse when they are at a clinic but there are also different formulas that can be used to calculate a horse's weight.

One formula for working out the horse's weight is:
 Weight = (4.3 x girth at withers) + (3.0 x height at withers) – 785.

Example: The picture illustrates how to measure height at withers (marked in blue) and girth at withers (marked in pink); If the horse is about 160 cm high and its girth at withers is 170 cm, the calculation would be as follows:

$(4.3 \times 170) + (3.0 \times 160) - 785 = 426$ kg. The optimal weight of a horse varies from breed to breed.

HOW DO YOU DETERMINE THE BODY CONDITION OF A HORSE?

One way of assessing whether the energy in your horse's present feed ration is in line with your horse's needs – or is giving too much or too little energy – is to determine your horse's body condition. What usually gives the clearest indication on the horse's body condition is to assess the fat cover down the back, along the top line of the neck, just behind the shoulder blades/shoulders, over the ribs, and by the tailhead (Fig. 1).

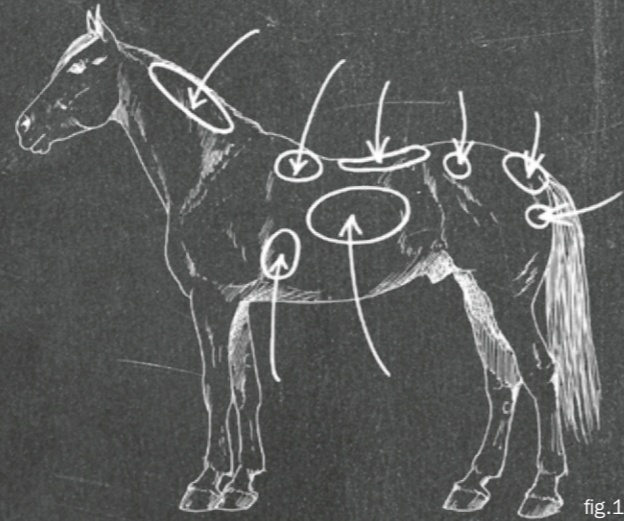
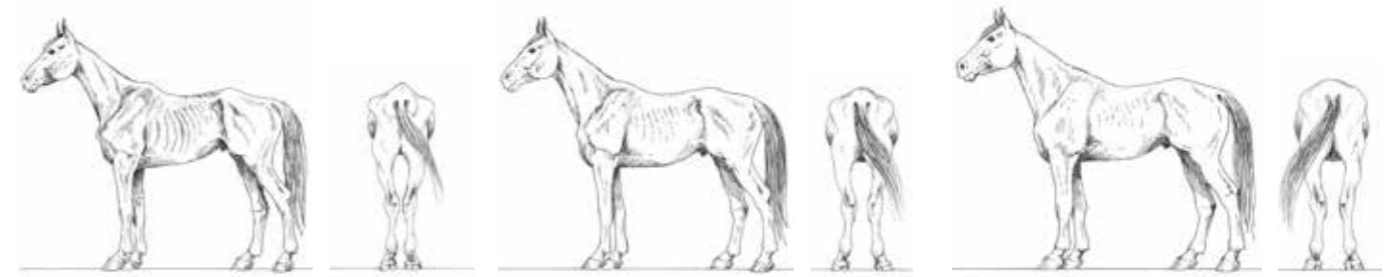
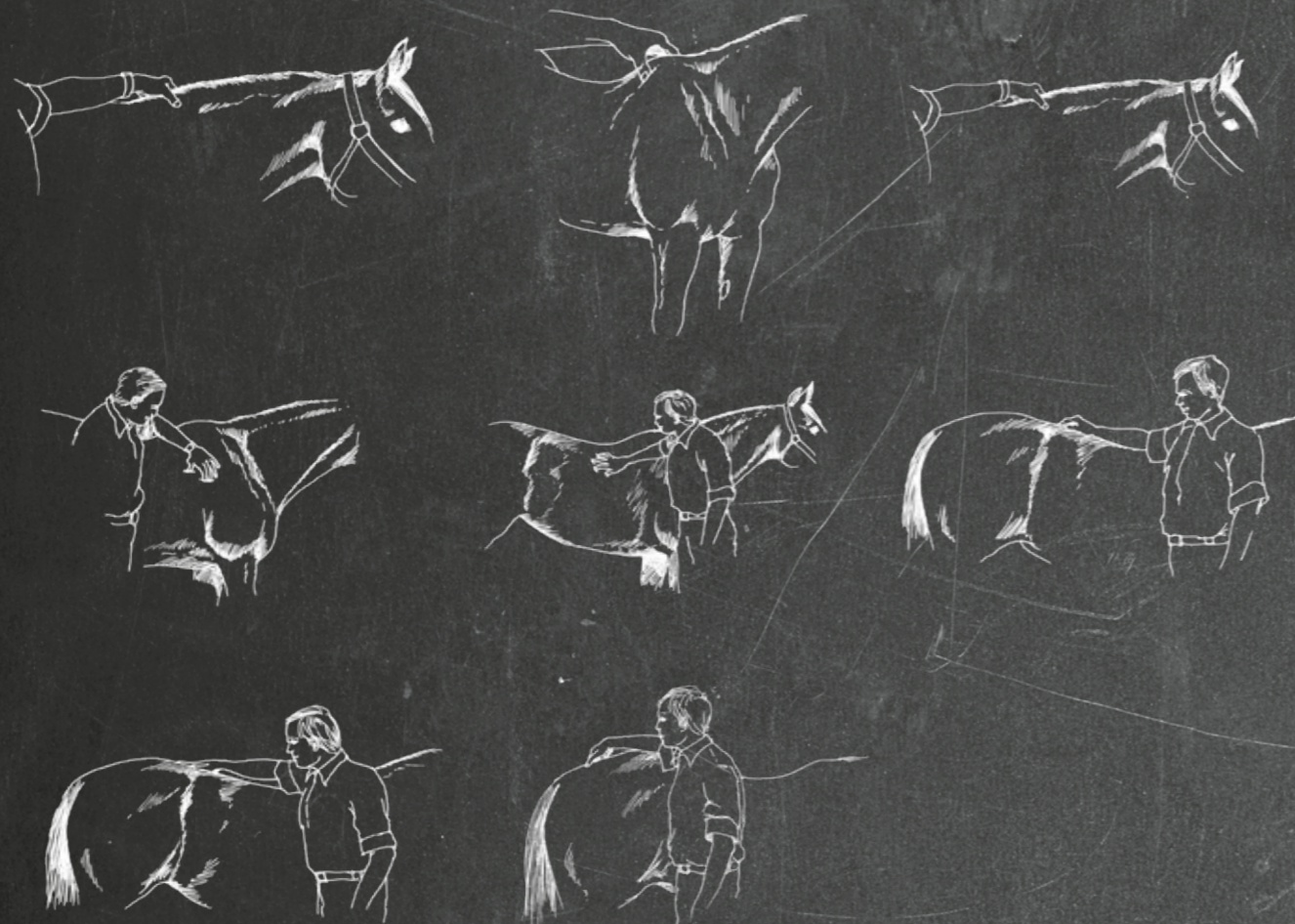


fig.1

Another guideline can be how visible the hip bones are. Both underweight and overweight should be avoided to ensure a horse is sound and healthy. Therefore, you should strive for level 5 for most horses and 6-7 for a broodmare. You should distinguish between the amount of muscle on the horse and increased body tissue in the areas marked out in Figure 1 which often consists of fat.



1. Extremely poor condition

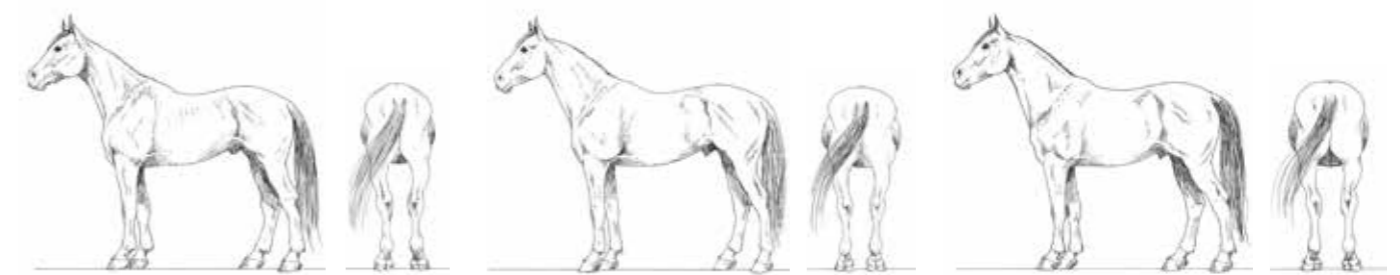
Spine, ribs, tailhead and hip bones extremely prominent, bone structure around the withers, shoulder blades and neck is clearly visible, no fatty tissue.

2. Very thin

Spine, ribs, tailhead and hip bones prominent, bone structure around the withers, shoulder blades and neck is faintly visible.

3. Thin

Ribs and spine visible, tailhead prominent but individual vertebrae are not visible, hip bones rounded but clearly visible, pelvic bones not visible, withers, shoulders and neck are outlined.



4. Moderately thin

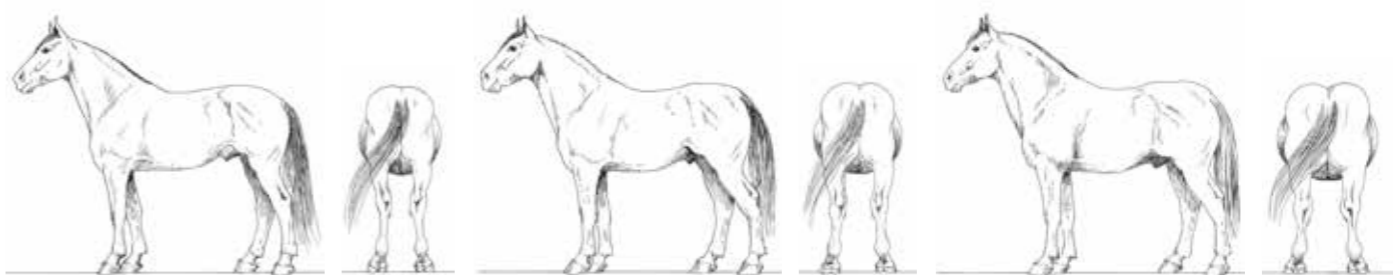
Slight ridge down back, ribs faintly visible, some flesh around tailhead, pelvic bones not visible, withers, shoulders and neck are not thin.

5. Moderate

Even surface down back, ribs not visible but easy to feel, the fat around the tailhead is beginning to feel "spongy", shoulders and neck blend smoothly with body.

6. Moderately fleshy

May have a small crease down back, spongy fat over the ribs, soft fat around the tail, clear signs of fat cover along the withers, behind the shoulder blades and along the neck.



7. Fat

May have crease down back, individual ribs and the fat between them can be felt, soft fat around tailhead, fat cover around withers, shoulders and along neck.

8. Very fat

Crease down back, difficult to feel the ribs, very soft fat around tailhead, thick fat cover around withers, shoulders, "thickened" neck, fat cover on inside of legs.

9. Extremely fat

Obvious crease down back, varying fat cover over the ribs, bulging fat cover around tailhead, withers, shoulders and along neck. The inside of the rear legs may "rub together".

Illustrations: Staffan Philipsson.

Source: SLUs utfodningsrekommendationer för häst, 2013. Modifierat efter Henneke med flera Equine Vet J (1983) 15 s371-372, samt NCR (1989).



Photo: Heidi Lammi

THE IMPORTANT ASPECTS OF EVERYDAY ROUTINES

Change feed gradually:

If the feed is changed fast, the microflora of the intestine can be put out of off balance since it takes time for it to get used to a new feed. Therefore you must always introduce a new feed by gradually replacing the old feed. A change of forage (hay/haylage) should be done over a two-week period. Diarrhoea and colic are common symptoms of disturbed intestinal microflora.

Avoid constipation through body movement:

Constipation can be caused by several different things: Lack of water, the horse has been eating sand, or eaten insufficient amount of fibre. In addition to avoiding the previously mentioned risks, it is good to stimulate the horse's intestinal movement with body movement, for instance when it walks around and grazes. A horse that stands still in a box and/or in a small paddock without any grass for most of the day may acquire slower stomach/intestinal transit than normal.

Be precise with feed portions:

Base your choice of concentrate and portion size on the analysed nutritional values of the forage you are using. Offer forage before giving concentrate, preferably dividing up the feed into several portions per day. Your horse should always have access to fresh water.

THE HORSE'S FEED RATION



The horse's feed ration can be seen as a pyramid, most of which should consist of forage, like grass, hay, haylage or lucerne. As a guideline, forage should cover the horse's basic needs (maintenance needs) when it is not being ridden, trained, growing, with foal, or lactating.

Depending on the nutritional values of the forage, you may then need to supplement with a concentrate to meet the horse's remaining needs of energy, protein and/or minerals. Adapt the feed to suit the unique needs and prerequisites of your horse. In addition to the previously

mentioned, you may need to give extra minerals in order to achieve the correct balance in the total feed ration. This is especially important if you only give your horse forage or if you use pure cereals as concentrate. Horses that regularly sweats generally needs extra dissolved salt in addition to a salt stone, in order to meet their salt requirements.

In addition to the feed ration described above, in some special cases, you can give extra vitamins or other supplements.

HOW IS THE FEED COMPOSED?

The horse's main sources of energy and protein are fibre, protein, fat and starch. These four basic components occur to a varying degree and in different proportions depending on the type of feed.



Fibre/Crude fibre:

The horse's most important source of energy. Fibre provide long-lasting energy and a well-balanced stomach and intestines. We recommend you choose a concentrate that has a high proportion of fibre/crude fibre.

With help of the microflora in the colon, the horse is especially good at utilising fibre as an important, gentle, and long-lasting source of energy. The microflora in the colon needs an even supply of fibre to stay well-balanced and to give optimal uptake of energy. Fibre is also needed to maintain a sufficiently high level of water in the colonic system.



Starch:

An energy-rich feed component for work of a more explosive nature. Should be given in small amounts per feed time and in combination with fat and fibre for the best result.

The uptake of starch is located in the horse's small intestine. Because the feed passes through the horse's stomach and small intestine so fast, the horse's ability to take up and utilise starch in the feed is limited. This energy-rich feed component should therefore only be given in small portions per feed time. For horses with insulin resistance, it is particularly important to limit the intake of starch.



Protein:

Is the basis of the gaining and repairing and repair of muscle tissue. Horses needs protein in a readily accessible form with a good composition in order to achieve optimal gaining of muscles.

It is important that your horse's need for protein is fulfilled. The need is normally 6 g of digestible crude protein per unit of energy (MJ), but this increases dramatically for growing horses and broodmares/lactating mares. Proteins are constructed of amino acids whose availability also controls the building up of muscles (read more on page 19). Potato protein is an easily digestible source of protein that is optimal with regard to its composition of amino acids, which means your horse can utilise large quantities of the protein it eats.



Fat:

The most energy-rich component in a feed and the most efficient way of giving energy without increasing the amount of protein. Important for horses who need more energy and/or need to gain more weight.

Fat is a good alternative source of energy for horses that work hard or needs to put on weight/muscle mass, since it is processed in a different part of the digestive system than carbohydrates/starch do. The horse can only digest small amounts of fat per feed time which is why you should limit the fat allowance. The recommendation is generally maximum 1 dl of pure oil per feed time. It is better to divide the fat into smaller portions and serve at several feed times per day.

(K)
Team
KRAFFT



At KRAFFT, we're proud of our close collaboration with the world of horses in Sweden and Europe. Today, the KRAFFT team consists of more than 20 fantastic equestrians who are more or less renowned the world over. Seeing how their horses perform at its very best and how well-balanced they become from our feed is a big motivation for us.

Scan the code to see all of our Team KRAFFT riders



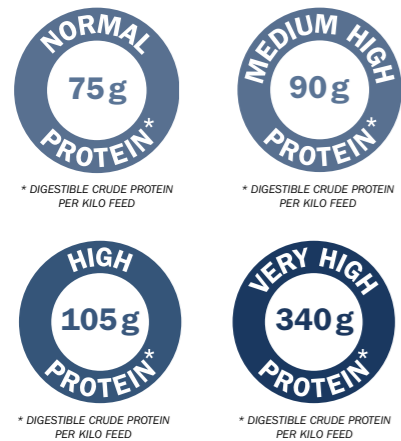
ICONS

In order to make it easier for our customers to find the most suitable concentrate for their horse's specific needs, we have given our products new icons which makes it easier to compare and match feeds: One for energy and one for protein.



PROTEIN

The amount of digestible crude protein per kilo feed is divided in to four levels. The two where the two lower levels (normal and medium high) should cover the needs of the adult horse if the amount of protein in the forage is of normal to high level. The two higher levels represent feed that is suitable for the adult horse if the forage has a somewhat lower protein content, and for horses with an increased need for protein (for example, growing horses, broodmares, or lactating mares). The protein level for each feed is stated inside each icon.

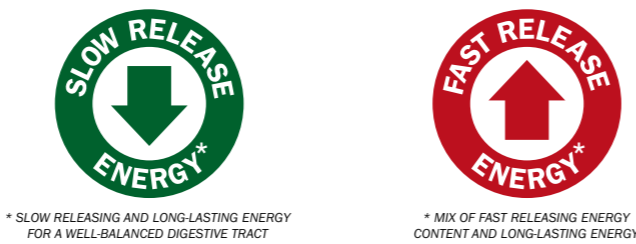


KRAFFT supplementary feed with high protein content (in descending order)

- Muscle Up
- Plus Protein
- Foal
- High Protein Muesli
- Performance Low Starch Muesli

ENERGY

The energy icon is based on the main source of energy in the feed. The feeds that have an icon for "slow release" contain a larger proportion of energy from fibre (which promotes a good stomach-intestine balance and gives longer lasting energy). This icon can be found on our GROOV range, and other products as well. For horses that need extra energy, there are feeds with a "fast release" icon. These feeds contain a mix of both faster, more explosive energy and fibre which gives longer lasting energy. Feed with "fast release" is best suited for high performance horses in comparison to horses in a lower work intensity.



Slow release feed:

- Performance Low Starch
- Performance Low Starch Muesli
- Groov Original
- Groov Protein
- Foal

Fast release feed:

- High Energy Muesli
- Sport Original
- Performance Energy
- Sensitive Muesli
- High Protein Muesli

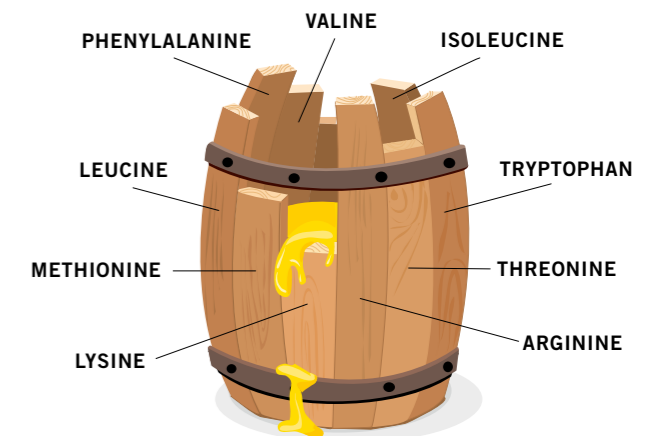
AMINO ACIDS – THE BUILDING BLOCKS OF PROTEIN

Amino acids are the building blocks that are needed to create protein and build muscles. Each amino acid represents a unique piece of the puzzle and it cannot be excluded if the end product is to be achieved. There are a number of amino acids that the horse cannot create itself; they must be provided to the horse through the feed. These are called essential (or vital) amino acids. Two of these are lysine and methionine. For horses,

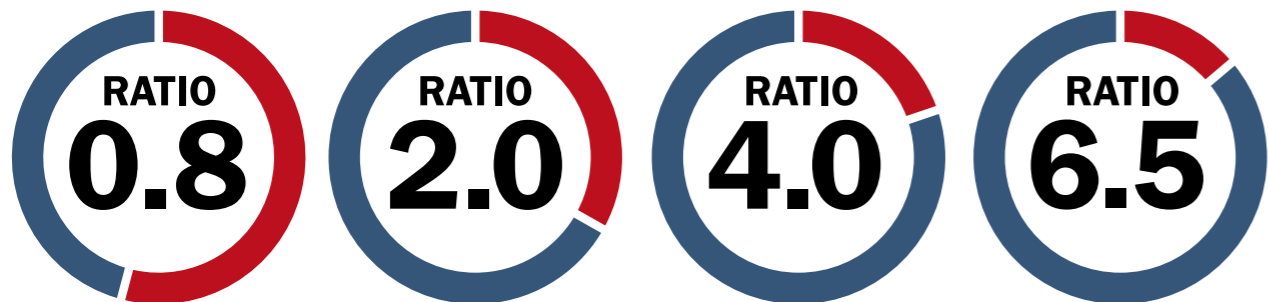
lysine is generally the amino acid that lacks in relation to how much is needed. If you ensure that the need for lysine is being fulfilled by the feed protein you are using, there will usually be enough of the other amino acids too. Because the amount of lysine and methionine is high in potato protein, which is also easily digested, it is the protein primarily used in KRAFFT's products.

THE BARREL

Imagine the creation of protein is like a barrel, where each plank represents an amino acid: all the planks are needed in order to keep the contents of the barrel in place. The amount of protein that can be created can be likened to how much water a barrel would be able to hold without it overflowing. Lysine governs how much protein can be created since it is the shortest plank.



Daniel Bachman Andersen riding Marshall Bell. Photo: Hanna Heinonen



■ Calcium
■ Phosphorus

MINERALS

The balance between minerals and trace elements is important for a horse's health and well-being. It is especially important to ensure that there is a sufficient amount of calcium and phosphorus and a good quota between these, since both are important for building bones, among other things. The quota between calcium and phosphorus should be between 1.2-1.8 in the total feed ration. Magnesium is another important mineral that must be controlled in the feed ration. By looking at your horse it is not possible to see whether its needs for minerals and trace elements are being fulfilled. You must do an analysis of the forage so you know what you need to add, either through separate mineral feeds or as part of a concentrate. The values in forage can vary from harvest to harvest, regarding both to the level of each mineral, and the balance (quota) between them. The choice of mineral feed should be based on the content of the feed ration as a whole. KRAFFT has four different mineral feeds, where the quota between calcium and phosphorus increases successively. Miner Balance P has the lowest quota and Miner Extra the highest. Choose the one that is best suited to balance the individual total feed ration for the horse in question. Predicted mineral needs for different situations and types of horse have been published in SLU's feed recommendations for horses, 2013.

Minerals in complete feeds:

Most of our supplementary feeds are complete feeds with all the vitamins and minerals that the horse needs. If you decide to give a small portion of concentrate, you must take special care that the horse's mineral requirements are fulfilled. Some of our supplementary feeds have a higher mineral content to make it easier to meet the horse's needs when it is given a smaller portion of the feed (see below). Another alternative is to give a separate mineral feed as a supplement to fulfil the horse's needs, since then it will also be easier for you to adjust the quota between the different minerals.

Supplementary feeds with a higher mineral content (the feeds with the highest mineral content are at the top of the list)

- Plus Protein
- Plus Energy
- Performance Low Starch
- Performance Low Starch Muesli
- Performance Low Starch GASTROMASH®
- Sensitive Mash
- Foal
- Groov Sensitive
- Senior Sensitive

WATER

Horses need water of the same high quality and purity as humans do. Taste and smell may affect how much your horse drinks. Make sure there is always fresh water available both in the stable and out in the field. Generally speaking, horses drink better from a pail or large water trough with a calm surface than from a water bowl. It's important the horse drinks enough to avoid oesophageal impaction, colic, poor appetite, dehydration, and other serious, medical conditions.

When horses are together in a herd, it is especially important that they have access to large water troughs or several pails of water where all the horses can drink at the same time. Otherwise, the horse's strong instincts may keep the low-ranking horses from drinking rather than risking being left behind by the herd when the high-ranking horses have finished drinking.

An adult horse (500 kg) at rest drinks about 25 litres of water a day. When working hard, the same horse should drink two or three times that amount.

The horse's water requirements per day*

The horse's weight	Main-tenance	Hard work	Lactating mare
300 kg	15 litres	30-45 litres	24-30 litres
400 kg	20 litres	40-60 litres	32-40 litres
500 kg	25 litres	50-75 litres	40-50 litres

*Major individual variations may occur.

Source: Swedish University of Agricultural Science's feed recommendations for horses, 2013.

SALT

All horses should have unlimited access to a salt stone. The normal requirement is about 10-30 grams of salt per day, but the need vary from horse to horse.

Horses that sweat regularly need more salt since they lose large amounts of salt through perspiration. If your horse sweats a lot, a salt stone will not be enough to cover its needs which would then be around 50-60 grams/day. On warm summer days, the salt requirement would be twice as much. On such occasions you should also include dissolved, iodine-free salt in the feed ration.

A horse's salt requirement per day*

Grown horse	
Maintenance	5,1 g/100 kg horse
Light work	7 g/100 kg horse
Medium work	9 g/100 kg horse
Hard work	9-13 g/100 kg horse

*Major individual variations may occur.

Source: Swedish University of Agricultural Science's feed recommendations for horses, 2013.

Thomas Carlille riding Sirocco du Gers. Photo: www.eventingphoto.com



OUR RANGE

PERFORMANCE



Performance Performance MaxBalance Performance Energy Performance Low Starch Performance Low Starch Muesli Performance Low Starch GASTROMASH®

BUILD Slow-Release Energy



Groov Original Groov Protein Groov Sensitive

BOOST Fast-Release Energy



Sport Original Sensitive Muesli High Protein Muesli High Energy Muesli Plus Energy Plus Protein

CONCENTRATES

SPECIAL PRODUCTS



Foal Senior Muscle Up Sensitive Mash Milk

BASIC FEED AND LUCERNE



Leisure Pellets Lucerne Chopped Lucerne Pellets Lucerne Pure Pellets

MINERALS



Miner Original Pellets Miner Original Granulate Miner Summer Pellets Miner Extra Pellets Miner Balance P Pellets

SUPPLEMENTS



PERFORMANCE



LIVE YEAST OR DEACTIVATED YEAST?

Active live yeast works in the colon in two different ways; partly by creating a favourable climate for beneficial microorganisms, and partly by increasing the breakdown of fibre. The process contributes to a more stable pH value in the colon and improves the digestibility of the feed.

Deactivated yeast is not itself active in the colon, but by providing good nutrition for beneficial microorganisms, it promotes their survival and reproduction.

There is active live yeast in Performance Low Starch, Performance Low Starch Muesli and Performance Low Starch GASTROMASH®. Deactivated yeast is found in Sensitive Mash, Senior Sensitive, Gastro Support and Stress Relief.



5 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED



* HELPS MAINTAIN A BALANCED DIGESTIVE SYSTEM

PERFORMANCE LOW STARCH

Performance Low Starch is a complementary feed with an extra low starch (4%) and sugar (4%) content, with added active live yeast to balance the horse's digestive system, where the energy comes primarily from an extra high proportion of fibre and fat. The feed has a high protein content and extra added minerals to facilitate an overall balanced feed status when only a small allowance is given.

Feed instructions: A guideline for an adult horse is approx. 0.2-0.4 kg of concentrate/100 kg horse and at least 1.5 kg dry matter forage/100 kg horse. A small allowance of concentrate may need to be supplemented with extra mineral feed.

Composition: Alfalfa, Green meal, Wheat bran, Beet pulp, Oat bran, Potato protein, Rapeseed oil and vegetable fat, Sodium chloride, LEVUCCELL@SC.

Analytical constituents:

EN	
Metabolisable energy (ME)	10 MJ/kg (*0,85 FE)
Digestible energy (DE)	11,6 MJ/kg
Crude protein	15%
Digestible crude protein	115 g/kg
Fibre/Crude fibre	23%
Crude oil and crude fat	6%



Scan to read more



Mash



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED



* HELPS MAINTAIN A BALANCED DIGESTIVE SYSTEM

PERFORMANCE LOW STARCH GASTROMASH®

Low Starch GASTROMASH® is a complementary feed for horses. It has an extra low starch (5%) and sugar (5%) content where the energy comes mainly from an extra high proportion of dietary fibres and fat. The feed has a medium protein content, an active live yeast additive (LEVUCCELL@SC) and Acid Buf pH buffer supplement to balance the horse's digestive system.

Feed instructions: A guideline for an adult horse is approx. 0,1-0,2 kg of concentrate/100 kg horse and at least 1,5 kg dry matter forage hay/haylage/100 kg horse and the horse's work, growth and pregnancy/lactation. A small allowance of concentrate may need to be supplemented with extra mineral feed. Always feed forage before concentrate.

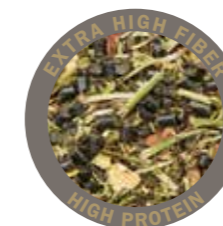
Basic ingredient: Alfalfa, Wheat bran, Pressed Beet Pulp, Green meal, Oat bran, Maerl (Acid Buf) 10%, Linseed (Heat-treated) 4%, Rapeseed oil, Sodium chloride, LEVUCCELL@SC.

Analytical constituents:

EN	
Metabolisable energy (ME)	8,5 MJ/kg (*0,714 FE)
Digestible energy (DE)	9,9 MJ/kg
Crude protein	12%
Digestible crude protein	85 g/kg
Fibre/Crude fibre	20%
Crude oil and crude fat	6%



Scan to read more



Muesli



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED



* HELPS MAINTAIN A BALANCED DIGESTIVE SYSTEM



PERFORMANCE LOW STARCH MUESLI

Performance Low Starch Muesli is a complementary feed with an extra low (6%) starch and (5%) sugar content, with added living yeast to balance your horse's digestive system. The energy is provided primarily by an extra high proportion of fibre and fat. The feed has a high protein content and added minerals to more easily balance the overall ration even in small feeds..

Feed instructions: A guideline for an adult horse is approx. 0.2-0.4 kg of concentrate/100 kg horse and at least 1.5 kg dry matter forage/100 kg horse. A small allowance of concentrate may need to be supplemented with extra mineral feed.

Composition: Green meal, Oat bran, Beet pulp, Alfalfa, Wheat bran, Flaked soya bean, Linseed, Micronised peas, Rapeseed oil, Soya hulls, Carrot, Potato protein, Sodium Chloride, LEVUCCELL@SC.

Analytical constituents:

EN	
Metabolisable energy (ME)	11 MJ/kg(*0,92 FE)
Digestible energy (DE)	12,8 MJ/kg
Crude protein	17%
Digestible crude protein	130 g/kg
Fibre/Crude fibre	20%
Crude oil and crude fat	8%



Scan to read more

SPC FOR FLUID BALANCE AND SENSITIVE STOMACHS

KRAFFT Performance, KRAFFT Performance Energy and KRAFFT Performance MaxBalance contain SPC (Specially Processed Cereals) which are specially treated oats, made using a natural process with water and heat, and with no additives.

Patented natural process:

The starch in the oats is broken down partly during the process and a number of natural substances are formed. These substances among other things stimulates the horse's own production of the protein AF (antisecretory factor). AF can help the horse too keep its fluids, for example in the case of diarrhoea, and to faster recover from fluid loss. SPC is based on a patent held by Lantmännen and has been developed

through collaboration with researchers and leading professionals within equestrian sport.

Many horses have problems with fluid depletion and a sensitive stomach:

The horse is an animal with a sensitive stomach that sometimes gets diarrhoea without any obvious reason. Many horses also drink too little and they lose plenty of fluid when being transported, at competitions, change of environment and other stressful situations. Feed that contains SPC could be a good solution to improve your horse's well-being. KRAFFT's SPC products can be given as the sole concentrate together with forage or they can be combined with other feeds.

PERFORMANCE

A complementary feed that ensures the intake of quality protein and fibre for all horses. As a result of a patented natural process (SPC), the feed has properties that provide quicker normalisation of the fluid balance and accelerate recovery after training.

Feed instructions: A guideline for an adult horse is approx. 0,8 kg of concentrate/100 kg horse and at least 1,5 kg dry matter hay/haylage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Oats (SPC), Wheat bran, Oat bran, Alfalfa, Beet pulp, Wheat, Molasses, Oats (high in fat), Green meal, Potato protein, Sodium chloride, Rapeseed oil.

Analytical constituents:

EN	
Metabolisable energy (ME)	10 MJ/kg (*0,85 FE)
Digestible energy (DE)	11,6 MJ/kg
Crude protein	12,5%
Digestible crude protein	100 g/kg
Fibre/Crude fibre	16%
Crude oil and crude fat	5%



Scan to read more



8 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

PERFORMANCE MAXBALANCE

A complementary feed for high-performance horses or horses with a sensitive stomach, with high SPC effect per kg of feed. As a result of a patented natural process (SPC), the feed has properties that provide quicker normalisation of the fluid balance and accelerate recovery after training.

Feed instructions: A guideline for an adult horse is approx. 0,2 kg of concentrate/100 kg horse and at least 1,5 kg dry matter hay/haylage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Oats (SPC), Oat bran, Beet pulp, Wheat, Molasses, Wheat bran, Alfalfa, Green meal, Rapeseed oil, Sodium chloride, Calcium Carbonate.

Analytical constituents:

EN	
Metabolisable energy (ME)	10,5 MJ/kg (*0,85 FE)
Digestible energy (DE)	12,2 MJ/kg
Crude protein	10%
Digestible crude protein	75 g/kg
Fibre/Crude fibre	13%
Crude oil and crude fat	5%



Scan to read more

PERFORMANCE ENERGY

A high-energy complementary feed for high-performance horses, which is rich in fibre and fat and contains quality protein. Contains a medium level of protein. As a result of a patented natural process (SPC), the feed has properties that provide quicker normalisation of the fluid balance and accelerate recovery after training.

Feed instructions: A guideline for an adult horse is approx. 0,8 kg of concentrate/100 kg horse and at least 1,5 kg dry matter hay/haylage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

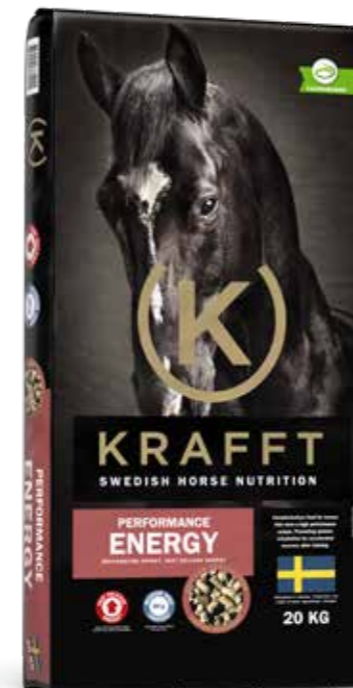
Composition: Oats (SPC), Beet pulp, Wheat, Molasses, Wheat bran, Green meal, Oats (high in fat), Alfalfa, Potato protein, Rapeseed oil, Oat bran, Sodium chloride.

Analytical constituents:

EN	
Metabolisable energy (ME)	12 MJ/kg (*1 FE)
Digestible energy (DE)	14 MJ/kg
Crude protein	11%
Digestible crude protein	80 g/kg
Fibre/Crude fibre	11%
Crude oil and crude fat	6%



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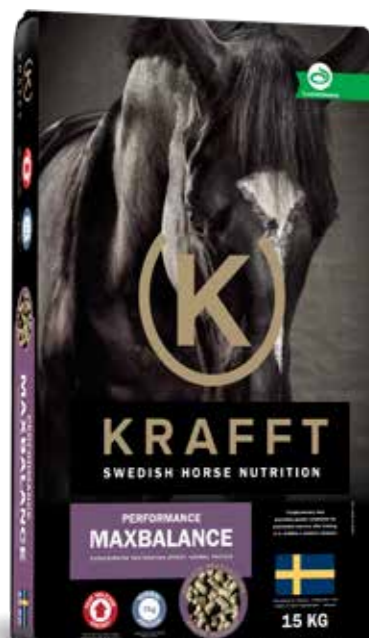
8 mm Pellets



* MIX OF FAST RELEASING ENERGY CONTENT AND LONG-LASTING ENERGY



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED



8 mm Pellets



* MIX OF FAST RELEASING ENERGY CONTENT AND LONG-LASTING ENERGY



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED



BUILD SLOW-RELEASE ENERGY





8 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

GROOV ORIGINAL

A complementary feed that ensures the intake of quality protein and fibre for all horses. The feed contains a medium-high level of protein that is easily digestible and has a high proportion of essential amino acids.

Feed instructions: A guideline for an adult horse is approx. 0,2-0,6 kg of concentrate/100 kg horse and at least 1,5 kg dry matter forage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Oat bran, Wheat bran, Oats, Alfalfa, Wheat, Green meal, Beet pulp, Molasses, Potato protein, Sodium chloride, Rapeseed oil, Calcium Carbonate, Monocalcium phosphate.

Analytical constituents:

EN	
Metabolisable energy (ME)	9,0 MJ/kg (*0,7 FE)
Digestible energy (DE)	10,5 MJ/kg
Crude protein	11 %
Digestible crude protein	90 g/kg
Fibre/Crude fibre	18 %
Crude oil and crude fat	4 %



Scan to read more



8 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

GROOV PROTEIN

A complementary feed that ensures the intake of quality protein and fibre for all horses. The feed contains a high level of protein that is easily digestible and has a high proportion of essential amino acids. Suitable for a somewhat protein-poor forage or horses that have an increased need for protein.

Feed instructions: A guideline for an adult horse is approx. 0,2-0,6 kg of concentrate/100 kg horse and at least 1,5 kg dry matter forage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Oats, Oat bran, Wheat bran, Alfalfa, Green meal, Beet pulp, Wheat, Molasses, Potato protein, Rapeseed oil, Sodium chloride, Calcium Carbonate, Monocalcium phosphate.

Analytical constituents:

EN	
Metabolisable energy (ME)	10 MJ/kg (*0,8 FE)
Digestible energy (DE)	11,6 MJ/kg
Crude protein	13,5 %
Digestible crude protein	115 g/kg
Fibre/Crude fibre	16 %
Crude oil and crude fat	5 %



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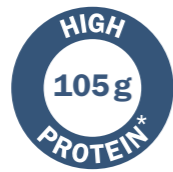
GROOV SENSITIVE



8 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

A complementary feed adapted for the horse that is sensitive to oats. The feed ensures the intake of quality protein, fibre and fat. Contains a medium-high level of easily digestible protein with a high proportion of essential amino acids.

Feed instructions: A guideline for an adult horse is approx. 0,2-0,6 kg of concentrate/100 kg horse and at least 1,5 kg dry matter forage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Oat bran, Barley, Wheat bran, Wheat, Alfalfa, Green meal, Molasses, Potato protein, Beet pulp, Rapeseed oil, Sodium chloride.

Analytical constituents:

EN	
Metabolisable energy (ME)	10 MJ/kg (*0,85 FE)
Digestible energy (DE)	11,6 MJ/kg
Crude protein	13 %
Digestible crude protein	105 g/kg
Fibre/Crude fibre	15 %
Crude oil and crude fat	5 %



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FOR SUSTAINABLE AGRICULTURE



These products form part of Lantmännen's Climate & Nature farming programme, which involves a 30% lower climate impact from Climate & Nature ingredients. Whenever you buy them, you are contributing to the development of a more sustainable Swedish agriculture. And while you're feeding your horse and enjoying its company, we will continue to develop the farming programme together with Lantmännen to further reduce our climate impact.





BOOST FAST-RELEASE ENERGY



HIGH PROTEIN MUESLI

Steamed complementary feed for high-performance horses. A muesli feed with a high fat content and high protein content.

Feed instructions: A guideline for an adult horse is approx. 0,2-0,6 kg of concentrate/100 kg horse and at least 1,5 dry matter forage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Oat flakes (steam-cooked), Oats (screened), Barley flakes (steam-cooked), Maize flakes (steam-cooked), Soya beans (flakes), Soya bean hulls, Soya bean meal, Sugarcane molasses, Pea flakes, Sunflower seed meal, Pressed beet pulp, Soya beans (extruded), Alfalfa meal, Monocalcium phosphate, Calcium carbonate, Sodium chloride, Vegetable soya bean oil.

Analytical constituents:

EN	
Metabolisable energy (ME)	11,0 MJ/kg (*0,85 FE)
Digestible energy (DE)	12,8 MJ/kg
Crude protein	17%
Digestible crude protein	135 g/kg
Fibre/Crude fibre	10%
Crude oil and crude fat	5%



Muesli



* MIX OF FAST RELEASING ENERGY CONTENT AND LONG-LASTING ENERGY



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

HIGH ENERGY MUESLI

A steamed complementary feed for high-performance horses, with a high fat content and a medium protein content. Suitable for horses that need additional energy that is rapidly absorbed and converted.

Feed instructions: A guideline for an adult horse is approx. 0,2-0,6 kg of concentrate/100 kg horse and at least 1,5 dry matter forage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Oat flakes (steam-cooked), Oats (screened), Barley flakes (steam-cooked), Maize flakes (steam-cooked), Soya bean hulls, Soya bean meal, Sugarcane, molasses, Vegetable soya bean oil, Sunflower seed meal, Pressed beet pulp, Soya beans (flakes), Soya beans (extruded), Pea flakes, Monocalcium phosphate, Calcium carbonate, Sodium chloride.

Analytical constituents:

EN	
Metabolisable energy (ME)	12,0 MJ/kg (*0,90 FE)
Digestible energy (DE)	14 MJ/kg
Crude protein	14%
Digestible crude protein	105 g/kg
Fibre/Crude fibre	9%
Crude oil and crude fat	9%



Muesli



* MIX OF FAST RELEASING ENERGY CONTENT AND LONG-LASTING ENERGY



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

SENSITIVE MUESLI

An oat-free and steamed complementary feed for adult horses in light or normal work. Contains a medium level of protein.

Feed instructions: A guideline for an adult horse is approx. 0,2-0,6 kg of concentrate/100 kg horse and at least 1,5 dry matter forage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Barley flakes (steam-cooked), Soya bean hulls, Wheat flakes (steam-cooked), Maize flakes (steam-cooked), Alfalfa meal, Sugarcane molasses, Wheatfeed, Pressed beet pulp, Sunflower seed meal, Alfalfa, Calcium carbonate, Monocalcium phosphate, Soya bean meal, Sodium chloride, Vegetable soya bean oil.

Analytical constituents:

EN	
Metabolisable energy (ME)	10,3 MJ/kg (*0,8 FE)
Digestible energy (DE)	12 MJ/kg
Crude protein	10%
Digestible crude protein	80 g/kg
Fibre/Crude fibre	10%
Crude oil and crude fat	3%



Muesli



* MIX OF FAST RELEASING ENERGY CONTENT AND LONG-LASTING ENERGY



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

SPORT ORIGINAL

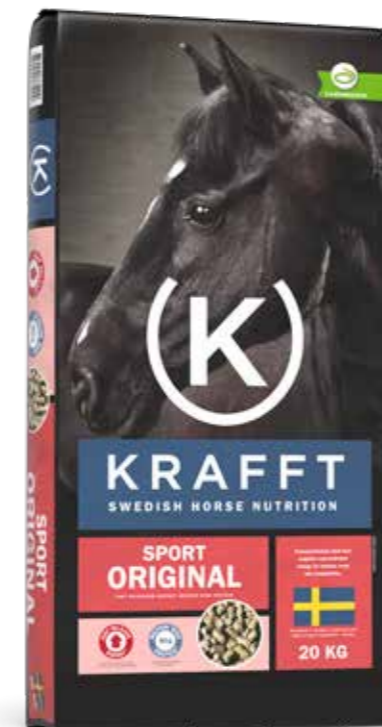
A high-energy complementary feed for high-performance horses, which is rich in fibre and fat and contains quality protein. Contains a medium level of protein.

Feed instructions: A guideline for an adult horse is approx. 0,2-0,6 kg of concentrate/100 kg horse and at least 1,5 dry matter forage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Beet pulp, Oats (high in fat), Wheat, Oats, Molasses, Wheat bran, Green meal, Alfalfa, Oat bran, Potato protein, Rapeseed oil, Sodium chloride.

Analytical constituents:

EN	
Metabolisable energy (ME)	12 MJ/kg (*1 FE)
Digestible energy (DE)	14 MJ/kg
Crude protein	11%
Digestible crude protein	80 g/kg
Fibre/Crude fibre	11%
Crude oil and crude fat	6%



8 mm Pellets



* MIX OF FAST RELEASING ENERGY CONTENT AND LONG-LASTING ENERGY

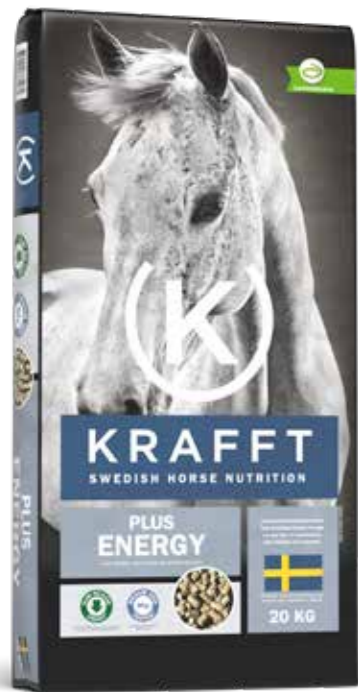


* DIGESTIBLE CRUDE PROTEIN PER KILO FEED



CONCENTRATES





8 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

PLUS ENERGY

A concentrated complementary feed that adds gentle energy. Rich in fibre and fat in combination with quality protein and vitamins and minerals in balanced proportions. Can be used as the only concentrate for the average horse where requirements are met by a relatively small portion or for horses with higher energy requirements when combined with cereals.

Feed instructions: A guideline for an adult horse is approx. 0,1 kg PLUS Energy/100 kg horse (light work) to 0,2 kg PLUS Energy/100 kg horse (medium-tough training) and at least 1,5 kg dry matter forage/100 kg horse.

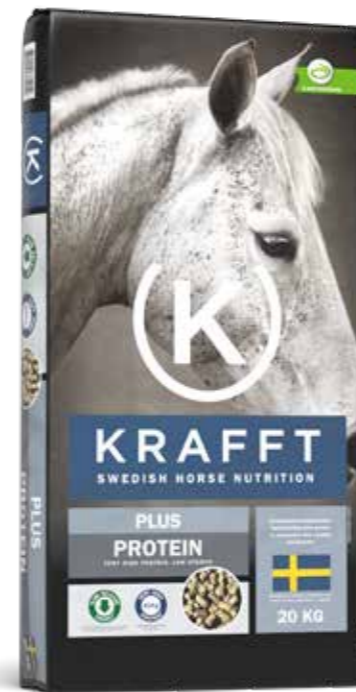
Composition: Beet pulp, Wheat bran, Oats, Wheat, Green meal, Molasses, Alfalfa, Sodium chloride, Rapeseed oil, Potato protein.

Analytical constituents:

EN	
Metabolisable energy (ME)	11 MJ/kg (*0,92 FE)
Digestible energy (DE)	12,8 MJ/kg
Crude protein	11,5 %
Digestible crude protein	90 g/kg
Fibre/Crude fibre	13 %
Crude oil and crude fat	5 %



Scan to read more



8 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

PLUS PROTEIN

A concentrated complementary feed that adds protein in a combination with fat, fibre and vitamins and minerals in balanced proportions. Can be used as the only concentrate where requirements are met by a relatively small portion, or for horses with higher energy needs in combination with cereals.

Feed instructions: A guideline for an adult horse is approx. 0,1 kg PLUS Protein/100 kg horse (light work) to 0,2 kg PLUS Protein/100 kg horse (medium-tough training) and at least 1,5 kg dry matter forage/100 kg horse.

Composition: Soya bean extract (roasted), Wheat bran, Oat bran, Green meal, Beet pulp, Wheat, Potato protein, Molasses, Alfalfa, Sodium chloride, Rapeseed oil.

Analytical constituents:

EN	
Metabolisable energy (ME)	10,5 MJ/kg (*0,88 FE)
Digestible energy (DE)	12,2 MJ/kg
Crude protein	25 %
Digestible crude protein	210 g/kg
Fibre/Crude fibre	11 %
Crude oil and crude fat	4,5 %



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CONCENTRATE

KRAFFT's concentrated complementary feed is a complete feed with a higher concentration of minerals. Suitable for horses fed a small portion of concentrate or in combination with cereals as a concentrate.



SPECIAL PRODUCTS



SENIOR SENSITIVE



5 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

Complementary feed especially adapted for older horses, or horses of all ages that have difficulty putting on weight. A high-energy feed with extra high-quality protein added and extra vitamins and minerals in balanced proportions for older horses, as well as yeast for improved digestion.

Feed instructions: A guideline for an adult horse is approx. 0,2-0,6 kg of concentrate/100 kg horse and at least 1,5 kg dry matter forage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Wheat bran, Wheat, Oat bran, Barley, Beet pulp, Alfalfa, Green meal, Molasses, Potato protein, Rapeseed oil, Sodium chloride, Yeast.

Analytical constituents:

EN	
Metabolisable energy (ME)	11 MJ/kg (*0,92 FE)
Digestible energy (DE)	12,8 MJ/kg
Crude protein	14%
Digestible crude protein	110 g/kg
Fibre/Crude fibre	13%
Crude oil and crude fat	7%



Scan to read more

SENSITIVE MASH



Mash



* MIX OF FAST RELEASING ENERGY CONTENT AND LONG-LASTING ENERGY



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

Oat-free complementary feed with ingredients like, for example, apple, carrot, yeast and linseed. To be mixed with warm or cold water and left to stand for about 15 minutes before being given to the horse. Can be used to increase a horse's intake of fluid, stabilise the horse's fluid balance, for faster recovery after exertion, or in other situations where the horse has a higher water intake (diarrhoea, horse that is sensitive to colic, etcetera). Contains a medium level of protein.

Feed instructions: A suitable portion should be based on the nutritional value of the forage (ration at least 1,5 kg dry matter hay/haylage per 100 kg horse) and the horse's work. Mix 0,5 kg MASH with at least 1 litre of water 15 minutes before feeding. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Barley flakes (steam-cooked), Wheat bran, Maize flakes (steam-cooked), Pressed beet pulp, Wheat flakes (steam-cooked), Wheatfeed, Alfalfa meal, Sugarcane molasses, Linseed 6,5%, Apple pulp (dried) 3%, Soya bean meal, Vegetable soya bean oil, Carrot (dried) 1%, Calcium carbonate, Sodium chloride, Potato protein, Monocalcium phosphate, Magnesium oxide.

Analytical constituents:

EN	
Metabolisable energy (ME)	9,5 MJ/kg (*0,8 FE)
Digestible energy (DE)	11 MJ/kg
Crude protein	12%
Digestible crude protein	90 g/kg
Fibre/Crude fibre	9%
Crude oil and crude fat	7%



Scan to read more

MUSCLE UP



8 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

An extra protein-rich complementary feed with a low percentage of starch. Gives a concentrated addition of quality protein (particularly potato protein). Extra high content of the amino acids lysine and methionine. Suitable in the event of an acute shortage of, increased need for or risk of deficiency of protein.

Feed instructions:

Ration Muscle Up (kg)	The need for additional protein (crude protein)	Add digestible crude protein (g)
0,25 kg	100 grams	85
0,5 kg	200 grams	170
0,8 kg	300 grams	255

Composition: Potato protein, Wheat bran, Alfalfa, Wheat, Green meal, Beet pulp, Oat bran, Oats, Molasses, Rapeseed oil, Calcium Carbonate, Magnesium Oxide.

Analytical constituents:

EN	
Metabolisable energy (ME)	12 MJ/kg (*0,9 FE)
Digestible energy (DE)	14 MJ/kg
Crude protein	40%
Digestible crude protein	340 g/kg
Fibre/Crude fibre	10%
Crude oil and crude fat	4%



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Photo: Heidi Lamm



5 mm Pellets



* SLOW RELEASING AND LONG-LASTING ENERGY FOR A WELL-BALANCED DIGESTIVE TRACT



* DIGESTIBLE CRUDE PROTEIN PER KILO FEED

FOAL

A complementary feed developed specially for foals and young horses, containing a particularly large amount of quality protein, vitamins and minerals. The feed is easily digestible and has a high proportion of essential amino acids. Suitable for both suckling foals and non suckling foals.

Feed instructions: A guideline for horses with an expected adult weight of 500 kg is 1-2 kg concentrate for the first 3-6 months, and 1-3 kg concentrate from 6 months to 2 years. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Oats, Wheat bran, Alfalfa, Oat bran, Wheat, Beet pulp, Green meal, Potato protein, Molasses, Sodium chloride, Rapeseed oil.

Analytical constituents:

EN	
Metabolisable energy (ME)	10 MJ/kg (*0,85 FE)
Digestible energy (DE)	11,6 MJ/kg
Crude protein	16%
Digestible crude protein	135 g/kg
Fibre/Crude fibre	15%
Crude oil and crude fat	4,5%



Scan to read more

MILK

A mare milk substitute produced specially for horses. Its properties are similar to the composition of the mare's own milk. Its composition is very similar to that of natural mare milk and it is suitable for both a motherless foal and a foal whose mother is not producing sufficient milk. However, it does not contain the important antibodies that natural raw milk has and which protect the foal from infectious agents. Ask your vet for advice if you have a motherless foal.

KRAFFT Milk is easy to store in the stable and has often served as a safety net for breeders and saved the lives of many foals.

Feed instructions: It is extremely important that the foal is given raw milk 1-2 hours after birth (maximum 12 hours) and preferably 1-2 litres. This is so that the foal will be able to build up an immune system. Sometimes additional blood plasma is needed. Consult your vet. Mix KRAFFT Milk with 50-degree water and let the foal drink it when it is 38-40 degrees. The temperature should be checked with a thermometer. If the foal drinks too fast, it may get the milk in its lungs. Keep the foal's head low down when serving Milk. When the foal is a few weeks old, you can start to serve KRAFFT Foal. Put a handful in the bottom of the bucket with KRAFFT Milk at the end of the meal. Gradually reduce the amount of KRAFFT Milk once the foal has started to eat sufficient forage and concentrate.

Composition: Skim milk powder, Whey powder, Dextrose, Vegetable oil and fat.



Powder

Analytical constituents:

EN	
Metabolisable energy (ME)	16,9 MJ/kg
Crude protein	21,5%
Fibre/Crude fibre	0,0%
Crude oil and crude fat	14,5%



Scan to read more





LEISURE





LEISURE PELLETS



8 mm Pellets

A complementary feed for adult horses in light or normal work. Contains a normal level of protein.

Feed instructions: A guideline for an adult horse involved in light work is approx. 0,2-0,6 kg of concentrate/100 kg horse and at least 1,5 dry matter forage/100 kg horse. A small concentrate allowance may need to be supplemented with extra mineral feed.

Composition: Oats, Wheat bran, Wheat, Beet pulp, Oat bran, Molasses, Green meal, Sodium chloride, Potato protein, Alfalfa, Rapeseed oil.

Analytical constituents:

EN	
Metabolisable energy (ME)	10 MJ/kg (*0,85 FE)
Digestible energy (DE)	11,6 MJ/kg
Crude protein	10%
Digestible crude protein	75 g/kg
Fibre/Crude fibre	13%
Crude oil and crude fat	3,5%



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LUCERNE





LUCERNE PELLETS

KRAFFT LUCERNE Pellets are hot-air dried lucerne in pellet form. Used in combination with hay, haylage and grazing. Rich in fibre and high-quality protein and has a balanced composition of other important nutrients. High fibre content promotes a healthy colon functionality and has a stabilising effect when this feed is used as a supplement to other forage.

Feed instructions: A guideline is approx. 0,5–4 kg per horse per day. Ensure that the horse receives sufficient other forage (a total of at least 1,5 dry matter forage per 100 kg horse). KRAFFT Lucerne Pellets should be moistened to minimise the risk of oesophageal impaction.

Composition: KRAFFT Lucerne Pellets contain lucerne and molasses.

Analytical constituents:

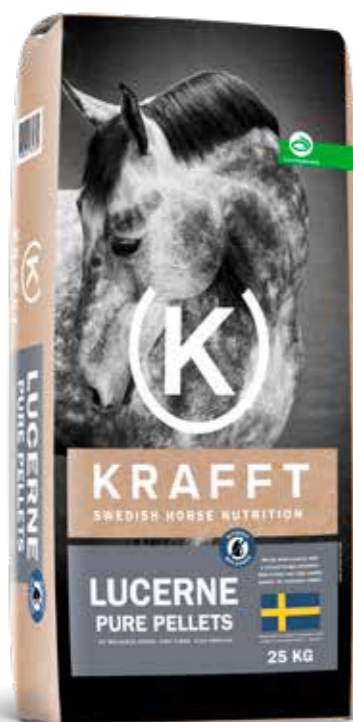
EN	
Metabolisable energy (ME)	8,5 MJ/kg (*0,64 FE)
Crude protein	15%
Digestible crude protein	105 g/kg
Fibre/Crude fibre	27%
Crude oil and crude fat	3%



Scan to read more



Carl Hedin with the horse Mr Grey. Photo: Zahlo Photo



LUCERNE PURE PELLETS

KRAFFT Lucerne Pure Pellets are hot-air dried lucerne in pellet form without added molasses. Used in combination with hay, haylage and grazing. Rich in fibre and high-quality protein and has a balanced composition of other important nutrients. High fibre content promotes a healthy colon functionality and has a stabilising effect when this feed is used as a supplement to other forage.

Feed instructions: A guideline is approx. 0,5–4 kg per horse per day. Ensure that the horse receives sufficient other forage (a total of at least 1,5 kg dry matter forage per 100 kg horse). Lucerne Pure Pellets should be moistened to minimise the risk of oesophageal impaction.

Composition: KRAFFT Lucerne Pure pellets only contain lucerne.

Analytical constituents:

EN	
Metabolisable energy (ME)	8,5 MJ/kg (*0,64 FE)
Crude protein	15%
Digestible crude protein	105 g/kg
Fibre/Crude fibre	27%
Crude oil and crude fat	3%



Scan to read more

LUCERNE CHOPPED



KRAFFT Lucerne Chopped is a hot-air dried forage based on chopped lucerne. Used in combination with hay, haylage and grazing – and can also be given as the only forage together with fodder straw. Rich in fibre and high-quality protein and has a balanced composition of other important nutrients. High fibre content promotes a healthy colon functionality.

Feed instructions: A guideline is approx. 0,5–4 kg per horse per day. Ensure that the horse receives a total of at least 1,5 kg dry matter forage per 100 kg horse.

Composition: KRAFFT Lucerne Chopped contains lucerne and molasses.

Analytical constituents:

EN	
Metabolisable energy (ME)	8,5 MJ/kg (*0,64 FE)
Crude protein	15%
Digestible crude protein	105 g/kg
Fibre/Crude fibre	27%
Crude oil and crude fat	3%



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MINERALS



MINER ORIGINAL PELLETS

A well-balanced mineral supplement for horses in normal work, if the mineral content of the forage and concentrate portion is insufficient. A suitable allowance should be based on the mineral values of the forage and concentrate and the horse's work, growth and whether it is with foal/lactating.

Feed instructions: A guideline for an adult horse at rest or in light work is approx. 90-120 g/day, and in normal work approx. 120-180 g/day. For broodmares, the guideline is approx. 150 g/day and for lactating mares approx. 200 g/day. 1 dl weighs approx. 80 g. Give at least 1,5 kg of dry matter forage/100 kg horse and day as a basic amount of feed. Always serve forage before concentrate.

Available as 5 mm pellets, and as granules in 25 kg sacks.
Available as 20 kg sack and 8 kg bucket.



Scan to read more



■ Calcium
■ Phosphorus

Analytical constituents Pellets:

EN	
Calcium	12%
Phosphorus	3%
Calcium/phosphorus quota	4,0
Magnesium	6%
Sodium	5%
Crude ash	4%

Analytical constituents Granules:

EN	
Calcium	16%
Phosphorus	4%
Calcium/phosphorus quota	4,0
Magnesium	6%
Sodium	10%
Crude ash	4%

MINER SUMMER PELLETS

A well-balanced mineral supplement for grazing horses, or for horses that mainly eat forage, if the mineral content of the forage and concentrate portion is insufficient. A suitable allowance should be based on the mineral values of the forage and concentrate and the horse's work, growth and whether it is with foal/lactating.

Feed instructions: A guideline for an adult horse at rest or in light work is approx. 60-120 g/day, and in normal work approx. 120-180 g/day. For broodmares, the guideline is approx. 180 g/day and for lactating mares approx. 240 g/day. 1 dl weighs approx. 80 g. Give at least 1,5 kg of dry matter forage/100 kg horse and day as a basic amount of feed. Always serve forage before concentrate.

Available as 20 kg sack and 8 kg bucket.



Scan to read more



■ Calcium
■ Phosphorus

Analytical constituents:

EN	
Calcium	8%
Phosphorus	4%
Calcium/phosphorus quota	2,0
Magnesium	6%
Sodium	5%
Crude ash	4%

MINER EXTRA PELLETS

A well-balanced mineral supplement for high-performance horses, if the mineral content of the forage and concentrate portion is insufficient. A suitable allowance should be based on the mineral values of the forage and concentrate and the horse's work, growth and whether it is with foal/lactating.

Feed instructions: A guideline for a pony is approx. 90-120 g/day, for horses in normal work approx. 120 g/day, and for horses in heavy work approx. 120-180 g/day. 1 dl weighs approx. 80 g. Give at least 1,5 kg of dry matter forage/100 kg horse and day as a basic amount of feed. Always serve forage before concentrate.

Available as 20 kg sack and 8 kg bucket.



Scan to read more



■ Calcium
■ Phosphorus

Analytical constituents:

EN	
Calcium	11%
Phosphorus	1,7%
Calcium/phosphorus quota	6,5
Magnesium	6%
Sodium	5%
Crude ash	4%

MINER BALANCE P PELLETS

A pelleted mineral supplement which restores mineral balance when the forage allowance is rich in calcium. A suitable allowance should be based on the mineral values of the forage and concentrate and the horse's work, growth and whether it is with foal/lactating.

Feed instructions: A guideline for a horse at rest is approx. 60-120 g/day, for horses in light work approx. 120 g/day, and for horses in heavy work approx. 120-180 g/day. 1 dl weighs approx. 80 g. Give at least 1,5 kg of dry matter forage/100 kg horse and day as a basic amount of feed. Always serve forage before concentrate.

Available as 20 kg sack and 8 kg bucket.



Scan to read more



■ Calcium
■ Phosphorus

Analytical constituents:

EN	
Calcium	5,5%
Phosphorus	6,5%
Calcium/phosphorus quota	0,8
Magnesium	6%
Sodium	5%
Crude ash	4%

Read more about minerals on page 20.

SUPPLEMENTS



Horse: Adriana



SUPPLEMENT GUIDE

What does your horse need and which KRAFFT supplements will help solve the problem?



SKIN & COAT



STOMACH & INTESTINES



STRESS & NERVES



HOOVES



MUSCLES



RECOVERY



ENERGY



JOINTS



MINERAL SUPPLEMENT



VITAMINS



STRESS RELIEF

A well-composed supplement with tryptophan, magnesium, B vitamins and amino acids that can balance the horse's temperament in stressful situations. It is easier to reach success if the psyche is strong.

ACTIVE INGREDIENTS: Magnesium 110 000 mg/kg, tryptophan 58 000 mg/kg, feed yeast and vitamins.
DOSAGE: Horses 30-50 g/day, Ponies 15-25 g/day
PACKAGE: 700 g



Scan to read more



JOINT SUPPORT

A unique supplement with four components that are important for maintaining joint mobility. Can be given to all horses, but is especially suitable for horses in tough physical training and for elderly horses. Provides MSM, glucosamine, chondroitin sulphate and hyaluronic acid.

ACTIVE INGREDIENTS: MSM 500 000 mg/kg, glucose amin 34 000 mg/kg, Chondroitin sulphate 27 000 mg/kg, Hyaluronic acid 1 733 mg/kg and vitamins.
DOSAGE: Horses 30 g/day, Ponies 15 g/day
PACKAGE: 700 g



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HOOF SUPPORT

Well-balanced composition of important substances to help improve the quality of the hoof, increase hoof growth and counteract cracks in the hoof. Provides biotin, methionine and zinc.

ACTIVE INGREDIENTS: Methionine 250 000 mg/kg, zinc 27 000 mg/kg and biotin 1 000 mg/kg.
DOSAGE: 20 g/day
PACKAGE: 700 g



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ELECTROLYTES PRO

Compensates for the loss of electrolytes in connection to conditions and situations where the horse might be exposed to the risk of losing these important electrolytes. Shortens the time needed for recovery between repeated exertion, and makes the horse more willing to drink water.

ACTIVE INGREDIENTS: Chloride 29%, potassium 15%, sodium 10%, calcium 5%, magnesium 2,5% and vitamins.
DOSAGE: 40 g/day
PACKAGE: 1200 g



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GASTRO SUPPORT

Our best-seller that ensures sound colon functionality. A unique composition of B vitamins, yeast organisms and substances that counteract acidification. Used both preventively and when problems arise, in stressful situations like change of environment, transportation, change of feed, and being let out to pasture.

ACTIVE INGREDIENTS: Yeast culture (deactivated), Bentonite clay vitamin B2 1 200 mg/kg and vitamins.

DOSAGE: Foals and yearlings 10-20 g/day, adult horses 40 g/dag

PACKAGE: 500 g and 3 kg



Scan to read more



BIOTIN

Pelleted supplement that is used when extra biotin is needed. A biotin deficiency can lead to hoof problems. KRAFFT Biotin creates the necessary prerequisites to prevent this and to re-establish any deficiencies.

ACTIVE INGREDIENTS: Biotin 417 mg/kg.

DOSAGE: 60 g/day

PACKAGE: 3 kg



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COPPER IRON

Supplement of copper and iron in an organically bound form which supports the uptake. Copper and iron are important trace elements needed for the building up of, connective tissue, bone tissue and red blood cells. Deficiency can lead to, for example, reduced performance capacity.

ACTIVE INGREDIENTS: Chelated copper 4 mg/g and Iron proteinate 1,5 mg/g.

DOSAGE: 15 g/dag i 1-2 månader.

PACKAGE: 700 g



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MAGNESIUM

Magnesium deficiency can affect muscle function and the horse's mental balance. This supplement prevents and rectifies magnesium deficiency. Used when forage has a low magnesium content, in connection to tough exercise, and when a deficiency has been confirmed (via a blood test).

ACTIVE INGREDIENTS: Magnesiumoxid 100%.

DOSAGE: 5 g/day

PACKAGE: 130 g



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OIL
 Rapeseed oil provides concentrated energy in a gentle form, for example, for horses with muscular problems or hot-headed horses that have difficulty retaining weight. The oil is rich in nutritious fatty acids that contribute to a shiny coat and increased well-being.



RECOMMENDED DAILY DOSAGE:
 1-3 dl/day, maximum 1 dl per feeding time.
PACKAGE: 1,8 liter, 10 liter and 25 liter

EN
 Metabolisable energy (ME) 40 MJ/liter



Scan to read more



VITAMIN MULTI
 All-round supplement in concentrated form; beneficial for the horse's general status and performance capacity. Suitable for broodmares or in preparation for mating. Is also used in stressful situations such as transportation and change of feed. Provides vitamins A, B, C, D3, E and K3.



RECOMMENDED DAILY DOSAGE:
 60 g/day.
PACKAGE: 3 kg and 10 kg



Scan to read more



VITAMIN E
 Vitamin E is important for the muscle function of, for example, horses in heavy work and foals. Broodmares might also need a supplement to facilitate the tissue growth of the foetus. Highly concentrated, pure vitamin E, without added selenium.



RECOMMENDED DAILY DOSAGE:
HARD WORKING HORSES:
 60 g/day.
HORSES WITH NORMAL EXERTION AND FOALS:
 30 g/day.
PACKAGE: 3 kg and 10 kg



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LINSEED OIL
 Linseed oil provides concentrated energy in a gentle form, for example, for horses with muscular problems, or horses that have difficulty retaining weight. Rich in nutritious fatty acids that contribute to a shiny coat and increased well-being.



RECOMMENDED DAILY DOSAGE:
 1-3 dl/day, maximum 1 dl per feeding time.
PACKAGE: 1 liter

EN
 Metabolisable energy (ME) 33 MJ/liter



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VITAMIN B
 Beneficial for coat growth, functionality of the horse's colon and muscles. Used in case of lost appetite, loss of coat/coat growth, and in stressful situations such as transportation and change of feed. Provides vitamin B1, B2, B6, B12 and biotin.



RECOMMENDED DAILY DOSAGE:
 Liquid 20 ml/day, pellets 60 g/day.
PACKAGE: 1 liter, 5 liter, 3 kg and 10 kg



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SALT
 Granulated salt of food quality. Can be mixed into any feed, preferably KRAFFT Sensitive Mash, or be dissolved in lukewarm water to make a saline solution.



PACKAGE: 5 kg



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Sabina Sward riding Kóngur Vom Kranichtal. Photo: Sofie Lahtinen Carlsson

Rolf-Göran Bengtsson with the horse Ermindo. Photo: Natalie Lindholm

ANALYSIS GUARANTEE



	Performance Low Starch Gastromash	Performance Low Starch Muesli	Performance Low Starch	Performance MaxBalance	Performance	Performance Energy	Groov Original	Groov Sensitive	Groov Protein	High Protein Muesli	Sensitive Muesli	High Energy Muesli	Sport Original	Plus Energy	Plus Protein	Senior Sensitive	Muscle Up	Sensitive Mash	Foal	Leisure Pellets	
Per kg feed																					
Drymatter %	90	89	88	87	88	87	88	88	88	86	86	86	87	88	88	88	88	86	89	88	
Metabolisable energy (ME) MJ	8,5	11	10	10,5	10	12	9	10	10	11	10,3	12	12	11	10,5	11	12	9,5	10	10	
Digestible energy (DE) MJ	9,9	12,8	11,6	12,2	11,6	14	10,5	11,6	11,6	12,8	12	14	14	12,8	12,2	12,8	14	11	11,6	11,6	
Crude protein %	12	17	15	10	12,5	11	11	13	13,5	17	10	14	11	11,5	25	14	40	12	16	10	
Digestible crude protein g	85	130	115	75	100	80	90	105	115	135	80	105	80	90	210	110	340	90	135	75	
Digestible crude protein/energy g/MJ (ME)	10	11,8	11,5	7,1	10	6,7	10	10,5	11,5	12,3	7,8	8,8	6,7	8,2	20	10	28,3	9,5	13,5	7,5	
Lysine g	5	8	7,5	4	6,5	5,5	5,5	7	7	9	4	7	5,5	5	15	7,5	30	5	9	4,5	
Vegetable fibres %	20	20	23	13	16	11	18	15	16	10	10	9	11	13	11	13	10	9	15	13	
Crude oil and crude fat %	6	8	6	5	5	6	4	5	5	5	3	9	6	5	4,5	7	4	7	4,5	3,5	
Starch %	5	6	4	27	19	24	16	20	17	30	35	30	24	15	9	18	9	27	16	20	
Sugar %	5	5	4	4	5	6	5	5	5	3	3	3	6	6	7	5	5	5	5	6	
Crude ash %	16	7	8	6	7	7	7	7	7	8	8	8	7	12	13	7,5	5	7	10	6	
Calcium%	4	0,8	0,8	0,7	0,8	0,7	0,8	0,8	0,8	1	1	1	0,7	1,5	2	1	0,4	0,7	1,5	0,8	
Phosphorus %	0,4	0,5	0,4	0,4	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	1	0,6	0,4	0,5	0,7	0,5	
Magnesium %	1	0,5	0,5	0,3	0,3	0,4	0,3	0,4	0,3	0,3	0,3	0,3	0,4	0,8	0,8	0,4	0,2	0,3	0,4	0,4	
Sodium%	0,4	0,4	0,4	0,3	0,4	0,4	0,3	0,3	0,4	0,3	0,3	0,3	0,4	0,8	0,9	0,4	0,07	0,3	0,4	0,4	
Potassium %	1,5	0,9	1,5	0,7	0,9	0,8	1	1	1	0,9	0,9	0,8	0,8	0,9	1,4	1	1,1	0,9	1	0,9	
FE	(*0,714 FE)	(*0,92 FE)	(*0,85 FE)	(*0,85 FE)	(*0,85 FE)	(*1 FE)	(*0,7 FE)	(*0,85 FE)	(*0,8 FE)	(*0,85 FE)	(*0,8 FE)	(*0,9 FE)	(*1 FE)	(*0,92 FE)	(*0,88 FE)	(*0,92 FE)	(*0,9 FE)	(*0,8 FE)	(*0,85 FE)	(*0,85 FE)	
Vitamin A, IE	15 000	15 000	15 000	10 000	10 000	10 000	10 000	13 000	10 000	10 000	10 000	10 000	10 000	30 000	30 000	12 000	-	10 000	14 000	10 000	
Vitamin D3, IE	1 500	1 500	1 500	1 000	1 000	1 000	1 000	1 300	1 000	1 000	1 000	1 000	1 000	3 000	3 000	1 200	-	1 700	1 400	1 000	
Vitamin E, mg	600	600	600	400	400	400	400	520	400	400	400	400	400	1200	1200	480	-	250	560	400	
Vitamin C, mg	75	75	75	50	50	50	50	65	50	50	50	50	50	150	150	60	-	34	70	50	
Vitamin K3, mg	0,2	0,2	0,2	0,1	0,1	0,1	0,1	0,13	0,1	0,1	0,1	0,1	0,1	0,3	0,3	0,12	-	-	0,14	0,1	
Vitamin B1, (nitrate) mg	15	15	15	10	10	10	10	13	10	10	10	10	10	30	30	12	-	-	14	10	
Vitamin B2, (riboflavin) mg	15	15	15	10	10	10	10	13	10	10	10	10	10	30	30	12	-	-	14	10	
Vitamin B6, (pyridoxine hydrochloride) mg	3	3	3	2	2	2	2	3	2	2	2	2	2	6	6	2,4	-	-	2,8	2	
Vitamin B12 mg	0,15	0,15	0,15	0,1	0,1	0,1	0,1	0,13	0,1	0,1	0,1	0,1	0,1	0,3	0,3	0,12	-	0,1	0,14	0,1	
Calcium panth, mg	7,5	7,5	7,5	5	5	5	5	6,5	5	5	5	5	5	15	15	6	-	13	7	5	
Niacin, mg	15	15	15	10	10	10	10	13	10	10	10	10	10	30	30	12	-	17	14	10	
Folic acid, mg	3	3	3	2	2	2	2	2,6	2	2	2	2	2	6	6	2,4	-	10	2,8	2	
Biotin, mg	0,15	0,15	0,15	0,1	0,1	0,1	0,1	0,13	0,1	0,1	0,1	0,1	0,1	0,3	0,3	0,12	-	2,5	0,14	0,1	
Iron (sulphate) mg	95	95	95	63	63	63	63	83	63	62	62	62	63	191	191	76	-	100	89	63	
Iodine, (kalciumiodine) mg	0,18	0,18	0,18	0,12	0,12	0,12	0,12	0,16	0,12	0,12	0,12	0,12	0,12	0,36	0,36	0,15	-	1	0,17	0,12	
Cobolt, (carbonate) mg	0,45	0,45	0,45	0,3	0,3	0,3	0,3	0,39	0,3	0,4	0,4	0,4	0,3	0,9	0,9	0,36	-	-	0,42	0,3	
Copper, (chelate of glycine, hydrate) mg	30	30	30	20	20	20	20	26	20	20	20	20	20	60	60	24	-	7,5	28	20	
Copper, (sulphate) mg	23	23	23	15	15	15	15	20	15	15	15	15	15	45	45	18	-	30	22	15	
Manganese, (oxide) mg	75	75	75	50	50	50	50	65	50	50	50	50	50	150	150	60	-	42	70	50	
Zink, (chelate of glycine, hydrate) mg	0,3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	
Zink, (oxide) mg	60	90	90	60	100	60	60	78	60	100	100	100	60	180	180	72	-	80	84	60	
Selenium, (L-selenomethionine) mg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0,13	-	-	
Selenium, (selenium yeast) mg	0,3	0,3	0,3	0,2	0,2	0,2	0,2	0,26	0,2	0,2	0,2	0,2	0,2	0,6	0,6	0,24	-	-	0,28	0,2	
Selenium, (sodium selenite) mg	0,3	0,3	0,3	0,2	0,2	0,2	0,2	0,26	0,2	0,2	0,2	0,2	0,2	0,6	0,6	0,24	-	0,2	0,28	0,2	
Volume weight kg/l (approx.)	0,65	0,5	0,7	0,7	0,6	0,7	0,6	0,6	0,6	0,5	0,5	0,5	0,7	0,7	0,7	0,6	0,7	0,5	0,7	0,6	

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ANALYSIS GUARANTEE LUCERNE



Lucerne Chopped Lucerne Pellets Lucerne Pure Pellets

Per kg feed

Dry matter %	88	88	88
Metabolisable energy (ME) MJ/kg	8,5	8,5	8,5
Crude protein %	15	15	15
Digestible crude protein g/kg	105	105	105
Digestible crude protein/energy (DE) g/MJ	12,4	12,4	12,4
Lysine g/kg	4	4	4
Crude fibre %	27	27	27
Crude oil and crude fat %	3	3	3
Sugar %	11	6	3
Calcium %	1,3	1,3	1,3
Phosphorus %	0,3	0,2	0,2
Magnesium %	0,2	0,2	0,2

ANALYSIS GUARANTEE MINERALS AND VITAMINS



Per kg feed

	Original		Extra	Summer	Balance P	B		E	Multi
	Granules	Pellets	Pellets	Pellets	Pellets	Pellets	Liquid	Pellets	Pellets
Calcium (%)	16	12	11	8	5,5	-	-	-	-
Phosphorus (%)	4	3	1,7	4	6,5	-	-	-	-
Magnesium (%)	6	6	6	6	6	-	-	-	-
Cooking salt (%)	10	5	5	5	5	-	-	-	-
Copper (added) (mg)	900	900	1200	1200	900	-	-	-	-
Selenium (added) (mg)	15	15	15	15	15	-	-	-	-
Ca/P quota	4	4	6,5	2	0,8	-	-	-	-
Vitamin A (IU)	100 000	100 000	200 000	-	100 000	-	-	-	750 000
Vitamin D3 (IU)	10 000	10 000	10 000	-	10 000	-	-	-	66 667
Vitamin E (mg)	5 000	5 000	15 000	-	5 000	-	-	12 500	9600
Vitamin C (mg)	-	-	-	-	-	-	-	-	5800
Vitamin K3 (mg)	-	-	-	-	-	-	-	-	420
Vitamin B1 (mg)	-	-	250	-	-	1000	2100	-	292
Vitamin B2 (mg)	-	-	250	-	-	667	1600	-	458
Vitamin B6 (mg)	-	-	50	-	-	333	810	-	458
Vitamin B12 (mg)	-	-	2,5	-	-	17	20	-	2,5
Pantothenic acid (mg)	-	-	125	-	-	-	-	-	1125
Niacin (mg)	-	-	250	-	-	-	-	-	3000
Folic acid (mg)	-	-	70	-	-	-	-	-	75
Biotin (mg)	-	-	2	-	-	42	100	-	25
Choline (mg)	-	-	-	-	-	-	-	-	13 333
Iodine (mg)	3	3	3	3	3	-	-	-	-
Iron (mg)	600	600	600	600	600	-	-	-	-
Cobalt (mg)	10	10	10	10	10	-	-	-	-
Manganese (mg)	1000	1000	1000	1000	1000	-	-	-	-
Zinc (mg)	2500	2500	2500	2500	2500	-	-	-	-
Propyl gallate g	-	-	-	-	-	-	1	-	-

Mineral feed per kg, vitamins per kg and ml

Janika Sprunger riding Charlie Boy. Photo: Lavaletto.



Evelina Tovek with the horse Dalila De La Pomme. Photo: Janika Sprunger



TOXIC PLANTS

Avoid poisonous plants in pastures

It's a common myth that horses can "sense" toxic plants and therefore avoid them. On the other hand, toxic plants often have a bitter taste and/or unpleasant smell. This means horses **USUALLY** avoid them as long as there is alternative forage available, but one can never be absolutely sure. The selection of plants presented here are based upon plants which grow in Sweden, but many of these are also found in the rest of Europe. Research which poisonous plants occur in your particular country and contact a veterinarian if you suspect that your horse has ingested a toxic plant.



SYCAMORE MAPLE – Poisoning usually takes place from May. Enclose areas on pasture where Sycamore maple is growing, or choose other pasture if possible.



COMMON SORREL – Blossoms May to July. Avoid poisoning by digging up the plants.



SWEDISH CLOVER – Usually seen from June to August. Fertilise and nourish the soil to promote white clover instead. Otherwise pesticides are an alternative.



WILD LUPIN – Usually blossoms June to August. Fence off areas where wild lupines grow.



FIELD BUTTERCUP – Usually blossoms June to September. Fertilise the pasture to favour better grazing plants.



COMMON RAGWORT – Usually seen July to August. If common ragwort is found in the pasture, the entire plant should be dug out and stuffed into closely woven sacks and burned.



COWBANE – Blossoms July to August. It is safest to fence off pastures close to water, so that horses cannot get at the plant or the water.



OAK, ACORNS – Poisoning occurs most often during the autumn. Fence off any oaks in the paddock and be on the lookout for horses that take a liking to the plant.

REMEMBER:

- Learn to recognise the plants that are toxic.
- Dig up plants, treat with pesticides, or fence off "hazardous" areas.
- Provide supplementary feed during heavy pasture use.
- Make sure there is sufficient salt and minerals.
- Make sure the horses always have fresh water in the pasture. Thirsty horses lose much of their ability to distinguish unsuitable plants soon after they have drunk water.

OVERVIEW

	MAY	JUNE	JULY	AUG	SEP	OCT
SYCAMORE MAPLE						
COMMON SORREL						
SWEDISH CLOVER						
WILD LUPIN						
FIELD BUTTERCUP						
COMMON RAGWORT						
COWBANE						
OAK, ACORNS						





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