

HOW DO YOU KNOW WHAT'S HEALTHY *for your horse?*



THE ANSWER TO ALL YOUR FEEDING QUESTIONS

PAVO ESSENTIALS
complete daily care



PAVO BREEDING
for healthy mares and foals



PAVO SPORT
for performance horses



WHERE IN THIS WIDE WORLD
CAN MAN FIND NOBILITY WITHOUT PRIDE,
FRIENDSHIP WITHOUT ENVY
OR BEAUTY WITHOUT VANITY?

- from: The Horse, Ronald Duncan -

At Pavo, we believe it's important to really get to know our customers.

Every horse depends upon its owner for a healthy diet. From mares to yearlings, from leisure Fjords to international top sport horses, each and every horse and pony has its own specific nutritional requirements.

Product development means taking all a horse's needs into account. In this regard, the horse world is still catching up with other industries. Research is expensive, but Pavo is committed to setting aside revenue for research into health and nutrition. Our aim is to actively contribute towards the health and wellbeing of every horse. As investing in research does come with a price, we are not the cheapest brand.

These additional costs, however, are directly reflected in the superior quality of our feeds, which keep your horse fit and healthy.

Pavo develops its products in relationship to the nutritional quality of forage which means that you ultimately need to feed less kilograms of our products. This is how we repay our valued customers: by supplying you with the very finest products for your horse.

Our communications department continuously asks: What keeps horse owners awake at night? What are their worries and concerns? And how can we help to alleviate their concerns? We identify with the nutritional challenges horse owners face and strive to provide answers with our superior service, healthy products and practical advice.



Anton Baarslag, Pavo Director

Can you prepare SlobberMash with cold water?

Why is magnesium an important nutrient in horse feed?

How do I know what's in my forage?

If sugar really is bad for horses, what should I feed my horse?

What is digestible raw protein?

My Friesian doesn't have enough stamina for two dressage tests, how can I improve this?

What feed does my mare in foal require?

Our pony is 28 years old and we're struggling to maintain her condition. What should we feed her?

Pavo 

THE ANSWER TO ALL YOUR FEEDING QUESTIONS

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Our symbols:



Low energy



Energy rich



Low protein



Low sugar



Oat free

“What began as a quest to help my own horse culminated in an entire study and, ultimately, in helping others with their horses' nutritional requirements. My challenge now is to work with owners to create the very finest horse feed. For me, a happy, healthy horse and a satisfied owner is what makes me happy.

Djilan Boelen
Nutritional Consultant



The answer to your feeding questions



Telephone (during office hours):

The Netherlands: tel: +31 (0)485 490 702



E-mail:

feedingadvice@pavo.net

There are no hard and fast rules when it comes to horse care and nutrition. Each combination of horse and owner is unique. You're with your horse day in, day out, so no one understands his/her specific needs better than you. Yet sometimes it's nice to have a bit of reassurance from the experts. Someone who can confirm that you're getting it right or give you some friendly tips to help improve your feeding regime. That's where Pavo Feeding Advice comes in. An experienced team of equine health and nutrition experts. We're on hand to answer all of your feeding-related questions.

We are here to help!



Health

Everything we do at Pavo is geared towards the health of horses. We see it as our duty to help improve and maintain the health of each and every horse through nutrition. Therefore, we listen carefully to any concerns that you, as a horse owner, may have. Pavo responds to your feeding questions with expert advice, healthy products and a superior service.

Passion

Working at Pavo and a passion for horses go hand in hand. We might be in the office or on the road during working hours, but our spare time is devoted to our shared passion: horses.

We understand that only the best is good enough. Why? Because, just like you, we enjoy a special relationship with horses.

Working in partnership

Each and every product that Pavo develops is tested in the field, in collaboration with our partners. These include customers, top riders, breeders, trainers, veterinarians and various institutes and organisations. Their valuable feedback allows us to create a range of innovative and healthy products.

And we're only too happy to talk to you via e-mail, phone or social media.

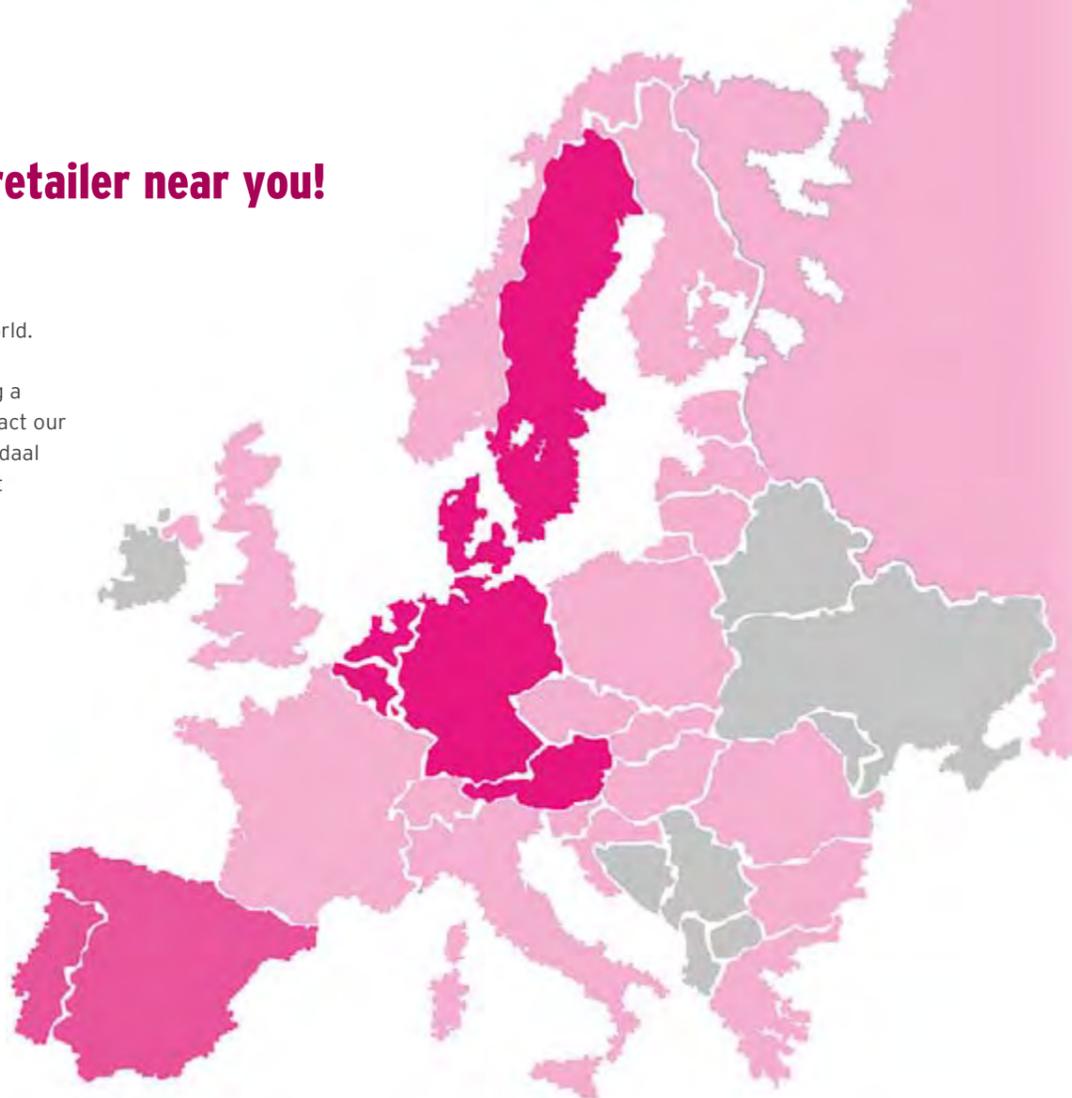


There's a Pavo retailer near you!

Pavo sells her products to more than 26 countries around the world.

If you are interested in becoming a retailer in a country, please contact our exportmanager Frank van Rozendaal via frank.vanrozendaal@pavo.net

Visit www.pavo.net to find your nearest retailer.



Packaging to suit your needs

Bags

(1-4 horses)

- Easy to dispense
- Long shelf life, thanks to 3-ply paper
- Pavo pellets are supplied in 20 kg bags
- Pavo muesli is supplied in 15 kg bags
- Pavo DailyPlus is supplied in 90 litre bags (approximately 15 kg)
- Pavo SummerFit is supplied in 5 kg and 15 kg bags
- Pavo Supplements are supplied in 3 kg bags



BigBox

(5-10 horses)

- A BigBox is a large sturdy cardboard box with a lid
- More economical than bagged feed
- Can be delivered to your stables
- Packaging can be placed into waste paper recycling after use
- Ideal for five or more horses consuming one type of food
- Pavo BigBox of pellets, contains approximately 750 kg
- Pavo BigBox of muesli, contains approximately 500 kg



Silo Feed

(> 10 horses)

- Ideal for 10 or more horses

Interested?

Please contact our exportmanager or your own Pavo accountmanager.

Frank van Rozendaal: +31 (0)6 55 70 16 30 - frank.vanrozendaal@pavo.net



“Pavo's credibility lies in the fact that we're true horse people at heart. We know how horse people think and what their problems are, because we face the very same issues on a daily basis.”

Didier Spinelli
Retail Account Manager Belgium



The Pavo web shop

In addition to shopping at one of our trusted retail outlets, customers can now also safely and securely purchase Pavo products online in the Pavo web shop. This means that you can order any of our feeds and supplements anytime, anywhere, and have it directly delivered to your home or stable in 1 - 2 working days.

- Choose from the entire Pavo range
- Order at your convenience
- Delivery within 1 - 2 working days
- Safe and reliable
- Free returns

The Pavo web shop also offers you the option of collecting your product from a nearby store. To arrange this, simply select a Pavo Pick-Up Point. www.pavowebshop.nl / www.pavowebshop.be

The Pavo webshop is not available in every country. To see if you



Partners

Partners Top riders from all disciplines have already discovered Pavo. Please visit www.pavo.nl/pavo/partners-van-pavo to view our partner list



Endurance



Dressage



Western



Driving



Eventing



Breeding



Special Breeds



Jumping



Racing



KNHS
Royal Dutch Equestrian Federation



KWPN
Royal Warmblood Studbook of the Netherlands

Horse owners are often concerned about sugar. Sugar is a regular source of energy for your horse. However, if your horse consumes more sugar or starch than she/he can expend, she/he runs a greater risk of overweight or obesity and all of the health problems that go with it, including laminitis, EMS and insulin resistance.

Make sure you know your horse's total daily sugar/starch intake, including intake via grass, hay and haylage, and adjust your concentrated feed accordingly. Percentages don't say much. Calculate how many grams of sugar/starch your horse is receiving from all of the various types of feed that you're providing. Only then will you know exactly what your horse is consuming. Do you need help calculating your horse rations? Contact:

feedingadvice@pavo.net



HOW DOES SUGAR affect your horse?

We all know sugar is a valuable source of energy for horses. That sugar is also essential for the normal functioning of the brain and nervous system is less known.

There is no standard recommended sugar and starch intake for horses. It really depends on what you do with your horse and how much energy she/he expends. A horse that's extremely active can certainly consume a certain amount of sugar, providing this is balanced with the calories she/he burns during exercise. Horses are herbivores. Plants produce glucose (a simple sugar) with the aid of sunlight. They subsequently store this sugar in their seeds or roots in a compressed form that we call starch. A horse that consumes starch must transform it back into sugar before she/he can use it as energy.

"A product's sugar content alone won't tell you much. Always check both the sugar and starch content!"

Djilan Boelen, Nutritional Consultant at Pavo

Too much sugar can lead to intestinal disorders. Moderate excess can trigger diarrhoea, whilst a more serious excess may cause colic. When undigested sugar/starch ends up in the large intestine it can interfere with the horse's intestinal bacteria balance. Of course, this is something you want to avoid. Obesity is also an increasingly common problem. It's therefore important that less active, older or sensitive horses and ponies benefit from a diet that's low in sugar and starch.

You shouldn't only take your horse's concentrated feed into account; you must also analyse the amount of sugar she/he receives via grass and forage. Our low sugar and starch feeds include Pavo Nature's Best, Pavo DailyPlus, Pavo Care4Life and Pavo SpeediBeet. Pavo SummerFit and Pavo VitalComplete are vitamin complete supplements.

Would you like to learn more about sugar and starch in equine nutrition or the role of sugar in the onset of laminitis?

Pavo: the answer to all your feeding questions.



Essentials



Wanting the best for your horse means 'listening' to your horse

Horses find their own way in the wild. Their route depends on the availability of food. They spend a large part of their day foraging for grasses, herbs, minerals, and natural sources of water.

So how can you, as a horse owner, feed your horse in the most natural way possible?

It's not as simple as it sounds. Each horse requires approximately 1.5% - 2% of his/her body weight per day in quality forage as a basis, distributed over as many meals as possible.

Depending on the breed, type, age and amount of exercise, your horse may also require extra concentrated feed and / or

supplements. Each individual horse is so unique. Analyse your horse's behaviour. Does she/he eat quickly or slowly, for example? Does she/he have a tendency to put on excess weight or are you perhaps struggling to maintain his/her optimal weight? With access to this information, we can provide advice on the most suitable feed and supplements for your horse.

The solution:
The Pavo Essentials range is carefully balanced for optimal daily care. So, regardless of whether you ride competitively or for leisure, you can't go wrong with products from the Essentials range.

Call us for customised feeding advice on:

+31 (0)485 490 702 or via feedingadvice@pavo.net

Because at Pavo we have the answer to all your feeding questions.



Please note: As they're less sweet, low sugar feeds can be an acquired taste for some horses.

FAQ Nature's Best



Why has Nature's Best been improved?

Excessive sugar and starch isn't healthy for horses that are less active or are sensitive to too much sugar. This is the reason why we've launched our new and improved Pavo Nature's Best. Pavo Nature's Best still boasts the same low sugar content (2%), but now also offers more fibre and a notably lower starch content (16%).

Can you feed Nature's Best to sport horses?

Yes, this muesli is extremely suitable for young sport horses or horses that tend to get hot when consuming oats. If your horse suffers from a lack of energy or stamina, however, then it's time for another

product or supplementation with Pavo TopSport.

What's so special about Timothy hay?

Timothy hay (official name: Timothy grass) is a variety of grass with an extremely beneficial nutritional composition for horses. It contains naturally low amounts of fructan sugar. Unfortunately, Timothy hay cannot withstand grazing, so it doesn't survive in the horse paddock or pasture for long.

Which cereal grains have been removed?

Our new, improved Nature's Best contains less cereals than ever before. Although we've removed the puffed wheat, we've purposely left in the spelt: an ancient grain that boasts a high-fibre, low starch profile.

Pavo Nature's Best

Healthy muesli for leisure and sport horses



Suitable for: horses that tend to get too hot from consuming oats or are prone to being overweight

Pavo Nature's Best boasts an all-new recipe! Our delicious, healthy, fibre-rich muesli now benefits from a lower cereal grain content and the addition of Timothy hay. This fibre-rich plant, with its tempting herbal-like aroma, has a pleasingly low fructan sugar content in comparison to other grasses. Nature's Best now contains more fibre for healthy digestive function. The vitamin and mineral content of Nature's Best has been formulated according to the latest scientific insights and is based on the average values found in modern forage feed.

- ✓ Guaranteed free from oats
- ✓ Low in sugar (2%) and starch (16%)
- ✓ Contains spelt and alfalfa to stimulate chewing



Product Specifications

Composition	Guaranteed analysis
Alfalfa, Spelt, Timothy, Wheat feed, Soya hulls, Wheat, Apple pulp, Cane molasses, Soyabeanoil, Toasted soybean flakes, Popped maize, Carrot flakes, Linseed, Maize germ oil, Sunflower seed - extracted, Chicory pulp, Vitamin & minerals	Energy DE 11,5 MJ/kg
	Crude protein 12,0 %
	Dig. crude protein 9,0 %
	Crude fat 5,2 %
	Crude fibre 19,0 %
	Sugar 2,4 %
	Starch 16,0 %



Feeding advice Nature's Best kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Maintenance	0,7 kg/day	1,3 kg/day	2,0 kg/day
Light work	0,8 kg/day	1,7 kg/day	2,5 kg/day

Pavo BasicPlus

Pellets for everyday maintenance



Suitable for: horses and ponies at rest or in light work

Pavo BasicPlus is a basic pelleted feed with an extremely favourable price-quality ratio. The 5 mm diameter pellets contain all the essential vitamins, minerals and trace elements your horse needs, including vitamins A & E, Biotin, copper and zinc. BasicPlus is particularly suitable for horses and ponies that are not exercised intensively and who are not breeding or lactating. It prevents horses or ponies from becoming overweight or excitable, whilst still ensuring that they receive sufficient nutrients.

- ✓ Attractive price-quality ratio
- ✓ Contains all essential vitamins and minerals

Product Specifications

Composition	Guaranteed analysis
Wheat feed, Soya hulls, Barley, Wheat, Oat middlings, Cane molasses, Alfalfa, Soyabeanoil, Vitamin & minerals	Energy DE 11,3 MJ/kg
	Crude protein 11,0 %
	Dig. crude protein 8,5 %
	Crude fat 3,0 %
	Crude fibre 13,0 %
	Sugar 7,0 %
	Starch 22,0 %



Feeding advice BasicPlus kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Maintenance	0,7 kg/day	1,3 kg/day	2,0 kg/day
Light work	0,8 kg/day	1,7 kg/day	2,5 kg/day

Pavo Condition

Healthy pellets for every horse



Suitable for: horses that require little extra energy / horses that tend to get too hot from consuming oats

Pavo Condition is our best-selling pelleted feed. If you're unsure of your horse's specific nutritional requirements or are starting to train a young horse, then Pavo Condition is an ideal choice. It's free from oats and contains high levels of Biotin to promote healthy hoof growth and a glossy coat. Pavo Condition is heat treated during the pelleting process to increase the digestibility of the starch contained within the cereal grains, providing a safe and controlled form of energy.

- ✓ Oat-free
- ✓ For general sport and leisure horses
- ✓ Added biotin for strong hooves and a healthy coat

Product Specifications

Composition	Guaranteed analysis
Wheat feed, Barley, Soya hulls, Wheat, Alfalfa, Cane molasses, Soyabeanoil, Vitamin & minerals	Energy DE 12,3 MJ/kg
	Crude protein 11,5 %
	Dig. crude protein 8,0 %
	Crude fat 3,0 %
	Crude fibre 14,0 %
	Sugar 6,0 %
	Starch 22,0 %



Feeding advice Condition kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Maintenance	0,7 kg/day	1,3 kg/day	2,0 kg/day
Light work	0,8 kg/day	1,7 kg/day	2,5 kg/day



Pavo Cerevit

Oat-free muesli



Suitable for: horses and ponies that are in light work

Pavo Cerevit is an attractively priced and extremely palatable muesli, containing barley and corn flakes. Pavo Cerevit provides your horse or pony with all of the vitamins and minerals essential for optimal health. Great care goes into the preparation of this quality, oat-free muesli.

- ✓ Oat-free muesli
- ✓ Contains all essential vitamins and minerals
- ✓ Attractive price-quality ratio

Product Specifications

Composition	Guaranteed analysis
Barley flakes, Alfalfa, Wheat feed, Maize flakes, Soya hulls, Wheat, Cane molasses, Pea flakes, Soyabeanoil, Maize germ oil, Vitamin & minerals	Energy DE 12,3 MJ/kg
	Crude protein 11,0 %
	Dig. crude protein 8,0 %
	Crude fat 3,5 %
	Crude fibre 12,0 %
	Sugar 4,0 %
	Starch 32,0 %

Feeding advice Cerevit kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Maintenance	0,7 kg/day	1,3 kg/day	2,0 kg/day
Light work	0,8 kg/day	1,7 kg/day	2,5 kg/day



Online Feeding Advice

Would you like a quick and simple check to see if you're feeding your horse suitable quantities of forage and concentrated feed?

Then please complete our online feeding guide. It not only gives an indication of how much feed you should be giving your horse, it also provides useful product advice.



www.pavohorses.co.uk/feeding-advice

For specific feeding advice for your horse or pony, please contact Pavo Feeding Advice on: **+31 (0)485 490 702** or feedingadvice@pavo.net



“Pavo’s collective enthusiasm for the well-being of horses is incredibly energising. I enjoy strolling through the factory where our products are manufactured and pride myself on thinking in terms of opportunities rather than problems.”

Rob Krabbenborg
Product Manager

Pavo SummerFit

Daily vitamin and mineral supplement



Suitable for: 24/7 grazing / horses and ponies that require very little concentrated feed

Many horses and ponies require very little or no concentrates. However, forage alone does not contain sufficient vitamins and minerals to satisfy their daily nutritional requirements. Pavo SummerFit is a tasty biscuit that contains the required daily dose of vitamins and minerals. One 140 g biscuit boasts the same amount of vitamins and trace elements as 2 kg of standard concentrate feed. The biscuit’s small size means that you provide very little extra energy in the form of starch, sugar and protein.

- ✓ The ideal way of supplementing a forage-only or a low concentrate diet
- ✓ 1 biscuit = your horse’s daily vitamin and mineral requirement, without excess calories
- ✓ For all breeds, in all seasons

Product Specifications

Composition	Guaranteed analysis
Wheat feed, Soya hulls, Alfalfa, Wheat flakes, Oat hulls, Cane molasses, Wheat, Linseed, Linseed expeller, Wheat middlings, Vitamin & minerals	Energy DE 10,1 MJ/kg
	Crude protein 11,0 %
	Dig. crude protein 7,8 %
	Crude fat 3,0 %
	Crude fibre 15,0 %
	Sugar 6,0 %
	Starch 16,0 %



Feeding advice SummerFit kg/day

Amount briquets a day	
Pony (200 kg - 300 kg)	0,5 briquet / day
Horse (400 kg - 600 kg)	1 briquet / day

Pavo VitalComplete

Daily vitamin and mineral supplement



Suitable for: horses on forage only diets / horses fed maintenance concentrates

Pavo VitalComplete is the ideal nutrient dense supplement for all diets deficient in vitamins and minerals. If your horse enjoys 24/7 grazing, consumes a lot of cereal grains, or is in a stable that only provides maintenance feed, then Pavo VitalComplete will supply a balanced blend of vitamins, minerals and trace elements that will fulfil all your horses nutritional requirements.

- ✓ Contains vitamins, minerals and trace elements
- ✓ For diets low in concentrates
- ✓ Supplements forage only diets
- ✓ As a supplement to cereal based diets

Product Specifications

Composition	Guaranteed analysis
Alfalfa, Wheat feed, Wheat, Maize, Cane molasses, Soyabeanoil, Barley, Vitamin & minerals	Energy DE 7,8 MJ/kg
	Crude protein 9,5 %
	Dig. crude protein 6,5 %
	Crude fat 3,5 %
	Crude fibre 13,0 %
	Sugar 4,0 %
	Starch 7,0 %



Feeding advice VitalComplete g/day

Gram/day	
Horse (600 kg)	100 g/day
Pony (300 kg)	50 g/day

When to choose SummerFit and VitalComplete



SummerFit biscuits and VitalComplete are intended as a vitamin and mineral supplement to a forage diet when:

- You’re not feeding any concentrates
- You’re feeding less than 1 kg of concentrates per day

Both products satisfy your horse’s daily vitamin, mineral and trace elements requirements.

SummerFit is a tasty, 140 g biscuit that can be fed by hand.

VitalComplete comprises small, 5 mm pellets that can be readily mixed into other feed.



Pavo SummerFit

Pavo SummerFit is specially formulated for leisure horses on maintenance feed. Its nutritional composition makes it the most appropriate feed for horses and ponies that enjoy little or no exercise or who are on a forage only diet.

Pavo VitalComplete

Pavo VitalComplete is suitable for horses that are exercised intensively and are receiving less than the recommended quantities of concentrates, or perhaps a cheaper concentrate with a low vitamin and mineral content. As oats contain little calcium, VitalComplete with added calcium is also an extremely suitable supplement to oat feeds.





Pavo DailyPlus

For a happy, healthy horse



Suitable for: all horses and ponies in every discipline / horses with dental problems

Wild horses graze for around 16 hours per day and chew around 40,000 times. Domesticated, stabled horses chew significantly less. Pavo DailyPlus is a balanced forage feed (nutritionally equivalent to quality hay) that can be mixed with concentrates to stimulate chewing and saliva production. Chewing helps to prevent boredom, whilst healthy saliva production neutralizes gastric acid and promotes a healthy digestive system. Pavo DailyPlus is the recipe for a happy horse.



- ✓ Stimulates chewing and prolongs mealtimes
- ✓ Ideal for combatting food envy
- ✓ Promotes healthy digestion

Product Specifications

Composition

Alfalfa, Oat plant, Barley straw, Wheat feed, Cane molasses, Grass, Barley, Soyabeanoil, Minerals

Guaranteed analysis

Energy DE	7,8 MJ/kg
Crude protein	10,5 %
Dig. crude protein	6,8 %
Crude fat	2,4 %
Crude fibre	26,0 %
Sugar	8,9 %
Starch	3,2 %

Feeding advice DailyPlus kg/day

Approximately per portion

Horse	0,3 kg - 0,5 kg
Best intake is achieved as a mix of concentrates with Pavo DailyPlus and water (wet)	

Every healthy horse ration starts with forage



Forage is the basis of the horse's natural diet. It helps maintain active digestion and promotes optimal intestinal flora. A horse's digestive system requires small quantities of forage on a constant basis.

Continuous chewing produces saliva, buffers gastric acid which keeps the horse's digestive system active. Horses that receive little forage feed or consume large amounts of concentrates in a single meal are at a high risk of developing gastric ulcers. So it's essential that your horse chews as much as possible.



As a basic rule, ensure the following:

- If possible, provide your horse with daily paddock or pasture access.
- Use straw as bedding, so that your horse can nibble throughout the day.
- Always provide plenty of fresh water.
- Divide feed between at least three, and preferably four or more meals per day.
- Feed at regular intervals.
- Give forage first, followed by concentrates 30 minutes later.
- Don't compromise on the quality of your forage.
- Never provide mouldy or dusty hay.
- Don't give more than necessary!
- Mix two handfuls of Pavo DailyPlus into concentrate meals, in order to promote chewing.

It's important to know what the nutritional quality of your forage is before giving concentrates, as only then can you determine your horse's exact nutritional requirements.

Have your forage analysed or ask your stables to perform the analysis for you. Once you receive the results, contact Pavo and together we'll determine the ideal feed for your horse or pony.

feedingadvice@pavo.net

Pavo, the answer to all your feeding questions



Pavo Care4Life

A fibre-rich herbal blend for all horses



Suitable for: horses with poor sugar tolerance / horses that are sensitive to stress

This unique blend contains everything you need to support the optimal health of your horse. It boasts 11 different herbs (4.5%) including Echinacea and Calendula*, as well as vitamins, minerals, and trace elements in organic form. These nutrients play an important role in detoxing the body, which in turn ensures the proper removal of waste products. The addition of collagen (1%), which actively supports healthy cartilage, is particularly beneficial. But it's also important to know what it doesn't contain! Pavo Care4Life is free from any substances that unnecessarily burden your horse's system. It boasts a combined sugar/starch content of only 9% and is entirely free from cereal grains, cereal by-products, molasses and oats.

- ✓ Boasts 11 different herbs
- ✓ Contains collagen, prebiotics** and probiotics***
- ✓ Cereal and molasses free
- ✓ Contains Omega-3 and Omega-6 fatty acids

* You can find more information about the individual herbs at: www.pavohorses.co.uk/basic-recreation/products/pavo-care4life

** Probiotic Brewer's yeast (0,5 g/kg) and inulin from chicory (3 g/kg) *** Probiotic Yea-sacc (2 g/kg)

Product Specifications

Composition

Alfalfa, Apple pulp, Toasted soybean flakes, HerbaMIX, Sunflower seed - extracted, Sunflower seed hulls, Linseed, Pea flakes, Soyabeanoil, Carrot flakes, Collagen hydrolysate, Linseed expeller, Brewer's yeast, Chicory pulp, Vitamin & minerals

Guaranteed analysis

Energy DE	11,5 MJ/kg
Crude protein	14,0 %
Dig. crude protein	11,0 %
Crude fat	6,5 %
Crude fibre	24,0 %
Sugar	4,7 %
Starch	4,7 %



**** Horses which eat hastily and horses which tend to have esophageal obstructions (choke), should get Care4Life mixed with water (wet). One scoop Care4Life plus one scoops water.

Feeding advice Care4Life kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
As a complete feed****	0,3 kg/day	0,7 kg/day	1,0 kg/day



FAQ Pavo Liga



For which horses is Pavo Liga most suitable?

Liga has been specially formulated for horse and pony breeds that naturally require very little concentrated feeds. The so-called 'good-doers', such as the Haflinger, Fjord, Tinker, Friesian, and Welsh pony breeds, as well as New Forest, Iceland, Shetland, Dartmoor, Exmoor and Draft breeds.

What is the difference between Liga and Condition?

Liga contains very high levels of readily absorbable trace elements such as manganese copper, zinc and selenium. This ensures that good-doers receiving little in the way of concentrates still obtain sufficient quantities of these important nutrients.

What are chelates exactly?

Trace elements such as copper, zinc, manganese and selenium come in different forms, for example oxides or chelated forms. The chelate form is an organic compound that's more readily absorbed by horses, as a result they require less of these compounds. Always check that the product packaging states 'organically bound trace elements', as these are more available to your horse.

Pavo Liga

Top quality pony pellets for good-doers



Suitable for: all good-doer breeds such as the Tinker, Welsh, Iceland, Dartmoor, New Forest, Haflinger, Fjord, Shetland, Draft and Friesian

Pavo Liga is specially formulated for good-doer breeds that require little in the way of concentrated feed, but still need plenty of vitamins, minerals and trace elements. It's low in both energy and protein, yet boasts twice the amount of vitamins and minerals (including copper, zinc, selenium and not forgetting biotin) as other low-energy concentrates. The trace elements in this product are also organically bound for improved digestibility (*see www.pavo.net for an explanation of the benefits of organically bound trace elements). Pavo Liga provides everything your good-doer requires for optimal health, a beautiful, glossy coat and strong hooves.

- ✓ Twice the amount of vitamins and minerals per kilogram of concentrate

- ✓ Low in energy
- ✓ With added copper, zinc, manganese, selenium and biotin

Product Specifications

Composition	Guaranteed analysis
Barley, Wheat feed, Alfalfa, Soya hulls, Cane molasses, Wheat, Linseed, Vitamin & minerals	Energy DE 12,1 MJ/kg
	Crude protein 11,5 %
	Dig. crude protein 8,5 %
	Crude fat 3,5 %
	Crude fibre 14,0 %
	Sugar 6,0 %
	Starch 21,0 %



Feeding advice Liga kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Maintenance	0,5 kg/day	1,0 kg/day	1,5 kg/day
Light work	0,6 kg/day	1,3 kg/day	1,9 kg/day



Pavo SlobberMash

A wonderfully warm treat with added vitamins



Suitable for: horses recovering from exertion or illness / as a healthy and delicious meal

Pavo SlobberMash is a complete, vitamin-enriched concentrate that's quick and easy to prepare. You need only add warm water and it's ready for immediate consumption. It boasts a particularly high linseed content, which helps to maintain a shiny coat. A generous amount of bran supports healthy intestinal function and aids digestion.

- ✓ Contains high quantities of pure linseed and added vitamin C
- ✓ Accelerates recovery after illness or strenuous exercise
- ✓ Helps to encourage faster coat shedding, leaving your horse with a beautiful, healthy coat

Product Specifications

Composition	Guaranteed analysis
Wheat bran, Oat flakes, Linseed expeller, Oats, Popped maize, Cane molasses, popped Barley, Linseed, Wheat starch, Soyabeanoil, Vitamin & minerals	Energy DE 12,6 MJ/kg
	Crude protein 15,0 %
	Dig. crude protein 11,5 %
	Crude fat 8,0 %
	Crude fibre 7,0 %
	Sugar 7,0 %
	Starch 29,0 %

* Mix Pavo 1 part SlobberMash to 1 part hot water (based on volume, not on weight)

Feeding advice SlobberMash kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Normal feed ration*	0,4 kg/day	0,8 kg/day	1,2 kg/day



Special care for seniors

Is your horse getting older? Perhaps starting to lose weight?

Older horses extract fewer nutrients from their feed. This means that even if you're feeding your senior sufficient quantities, your horse might not be getting enough of the nutrients she/he so badly needs. Whilst you won't always notice changes on the outside, age related changes may already be occurring on the inside. So never wait for symptoms to become visible. Of course you cannot prevent aging, but you can ensure that your horse gets everything she/he needs to manage this natural process, and to continue leading a healthy and happy life for as long as possible. Special senior nutrition combined with quality forage or a suitable forage substitute ensures that your horse will receive all of the nutrients she/he requires.



Age in human years

Horse	=	Human
1 year		4 years
10 years		30/40 years
15 years		50 years
20 years		60 years
25 years		70 years
30 years		80 years
35 years		85 years

What if your horse can no longer chew?

Horses that cannot chew properly don't obtain enough roughage. Even if they appear to be chewing all day long, in reality they can be ingesting almost nothing. If you fail to intervene your horse could start to starve. This is where a special diet containing a forage substitute can help.

- Give 4 - 5 kg of Pavo 18Plus (spread over several small meals per day) in a slobber prepared with warm or cold water in a 1:1 ratio (the same amount of water as feed). Allow to soak for at least 15 minutes prior to consumption.

- Mix with a forage substitute, such as soaked Pavo SpeediBeet (up to 400 g per 100 kg of body weight) and/or Pavo DailyPlus (as this contains the same composition as good quality hay, you may add unlimited quantities).
- If you feed 300 g (or more before soaking) of beet pulp per 100 kg body weight per day as a forage substitute, then we recommend supplementing this with 40 g of bran per 100 kg bodyweight. This ensures an optimal Ca/P (calcium/phosphorus) balance in the ration.

Nutrition Facts

- Older horses are at far greater risk of weight loss during winter than in summer. Give top quality forage that's **not too fibrous** throughout the winter months. Older horses require additional protein phosphorus, zinc, copper and selenium.
- Vitamin C is necessary for a healthy immune system and thus extremely important for your horse. Whilst horses manufacture vitamin C themselves from glucose, older horses are no longer as proficient at this. This is why vitamin C supplementation in feed is so essential.
- Horses that can no longer chew forage and therefore survive on beet pulp, bran and concentrates also require additional B vitamins and vitamin K in their diet.



Proteins are of vital importance

You've perhaps heard that protein is bad for horses. Although many people believe this, it's simply not true. Protein is made from amino acids - indispensable building materials that are stored within the body. Older horses in particular require sufficient quantities of protein as, among other benefits, it helps to slow the breakdown of muscle.

A normal healthy horse requires approximately 8-10% protein in their total daily ration, an aging horse 14-16%. If your horse's liver or kidney function has deteriorated, then it's advisable to examine their entire diet. In this situation, please contact Pavo for tailor-made advice.



Pavo 18Plus

For fit and healthy seniors aged 18 and over



Suitable for: active 18+ horses / seniors with dental problems, particularly if underweight

Pavo 18Plus provides everything that your aging horse needs, yet without unnecessarily burdening his/her system. Older horses are less able to process sugars and require more protein in order to maintain muscle condition. This delicious muesli contains added Omega-3 and Omega-6 fatty acids (antioxidants that support immunity) and contains an optimised calcium-phosphorus ratio.

- ✓ Packed with readily digestible fibre to compensate for impaired digestion
- ✓ Contains essential amino acids for maintaining muscle and condition
- ✓ Contains an optimal sugar/starch content suitable for older horses
- ✓ Can be fed wet or dry

Product Specifications

Composition	Guaranteed analysis
Soya hulls, Soya (bean) meal - toasted, Spelt, Alfalfa, popped Barley, Wheat feed, Oat middlings, Rape seed meal, Soyabeanoil, Cane molasses, Linseed, Wheat, Apple pulp, Maize, Pea flakes, Sunflower seed - extracted, Carrot flakes, Chicory pulp, Vitamin & minerals	Energy DE 12,4 MJ/kg Crude protein 16,0 % Dig. crude protein 13,0 % Crude fat 7,5 % Crude fibre 15,0 % Sugar 5,0 % Starch 17,0 %

Feeding advice 18Plus kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Healthy horse	0,7 kg/day	1,3 kg/day	2,0 kg/day
Horse in bad condition or with teeth problems*	1,6 kg/day	3,2 kg/day	4,8 kg/day

* For horses in bad condition of with teeth problems, it can be feed soaked in water with a ration of 1:1.

Feeding tip

Pavo 18Plus in combination with Pavo SpeediBeet is the ideal daily feed for older horses with dental problems. You can find more information about older horses at www.pavohorses.co.uk/themes/olderhorses



Pavo SpeediBeet

Quick soaking beet pulp flakes



Suitable for: horses on a minimum sugar diet / underweight horses / seniors with poor teeth as a partial forage substitute / sport horses providing slow release energy and water supply in the gut / horses that are prone to digestive problems.

Pavo SpeediBeet is made from de-sugared beet pulp flakes that are free from additives such as molasses. It contains zero starch, only 5% sugar and plenty of healthy fibre derived from pectin. Pectin has a prebiotic effect; it supports the growth of healthy bacteria in the intestines. SpeediBeet's generous fibre content also makes it a superb source of slow-release energy. And, thanks to its patented processing treatment, it only requires soaking in hot or cold water for 10 minutes prior to feeding. Please note: Pavo SpeediBeet can only be fed in soaked form, so make sure you that you store it safely and out of the reach of horses.

- ✓ Healthy fibre-rich feed with a prebiotic effect
- ✓ Supports a healthy intestinal function

- ✓ Extremely low in sugar (5%), free from molasses and starch



Product Specifications

Composition	Guaranteed analysis
Unmolassed sugar beet pulp	Energy DE 12,0 MJ/kg
	Crude protein 10,0 %
	Dig. crude protein 4,2 %
	Crude fat 0,7 %
	Crude fibre 16,0 %
	Sugar 5,0 %
	Starch 0,0 %

Feeding advice SpeediBeet kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Healthy horse	0,1 kg/day	0,2 kg/day	0,3 kg/day
Horse in bad condition or with teeth problems*	0,8 kg/day	1,6 kg/day	2,4 kg/day

* Mix up one part SpeediBeet with 3 parts water.

How to prepare SpeediBeet

Mix one part SpeediBeet to three parts water (based on volume, not weight)



Feeding tip 1

Pavo SpeediBeet falls under the forage category and contains no added vitamins or minerals. If you're feeding Pavo SpeediBeet exclusively alongside your other forage, then supplementation of vitamins and minerals (with Pavo SummerFit biscuits or Pavo VitalComplete for example) is highly recommended.

Feeding tip 2

Pavo SpeediBeet contains very little sugar, making it an acquired taste for many horses. Mix SpeediBeet into your regular concentrate for the first few days, or try adding Pavo SlobberMash. Gradually reduce after a few days.

“ I love to talk! And, my job means that I get to talk to horse owners about their horses and what keeps them busy on a regular basis. We harness this information to create a variety of different materials that provide information on healthy food management. How rewarding is that?

Carolien Staal
Marketing Communication Manager



How much forage does your horse require?

The basis of horse nutrition is quality forage, grass or hay. Give your horse 1.5% - 2% forage (dry matter) of his body weight. A horse of 600kg therefore requires 9 - 12 kg of dry matter forage feed. Hay has a dry matter content of 85%. If your horse consumes no grass, she/he will therefore require 12 - 14kg of hay per day. If there's regular paddock or pasture access, the calculation will be different. Do you know how much forage you are feeding? Try weighing it!

Need help calculating how much forage your horse can/should be fed? Then please contact feedingadvice@pavo.net



Pavo GrassSeed

Special grass seed mixture for paddocks

Horses crop grass far shorter than cows do. Which is why horse paddocks and pastures require robust grasses that can withstand trampling and grazing. Pavo GrassSeed not only provides a dense sward; it also contains healthy herbs with plenty of fibre, making it ideal for horse paddocks and pastures.

- ✓ Low growth point, thus more resistant to close cropping
- ✓ Provides a dense sward
- ✓ Contains herbs that support optimal horse health and promote the palatability of the grass
- ✓ Grasses with a low fructan index



Product Specifications

Composition			
		Corail Strong creeping red fescue	10,0 %
		Ribwort	0,3 %
Domiatti perennial ryegrass	20 %	Foengriek	1,5 %
Montreux perennial ryegrass (old type)	20 %	Wild carrot	0,4 %
Orantas perennial rye grass, forage type	20 %	Parsley	0,4 %
Timothy	15,0 %	Sweet vernal grass	0,4 %
Miracle smooth-stalked meadow grass	12,0 %		

Tip The optimal period for seeding or re-seeding turf is March/April or between mid-August and mid-October. 45 - 60 kg/ha is required for initial seeding, whilst 30 kg/ha is sufficient for re-seeding.

Pavo FieldCare

Fertiliser for horse paddocks

A healthy horse paddock or pasture requires appropriate fertilisation. Pavo FieldCare is specially formulated for this very purpose: Our fertiliser contains a special slow-release (2-3 month) nitrogen compound, which ensures that your grass grows evenly and is free from unwanted growth spurts.

Pavo FieldCare contains phosphate, potassium, magnesium, sulphur and sodium, and is specifically formulated for horse paddocks and pastures.

- ✓ Broad spectrum fertiliser
- ✓ Slow-release nitrogen
- ✓ For healthy horse paddocks and pastures



Tip How much fertiliser do you require? A plot that's been treated with cattle manure requires 200 - 250 kg/ha. For plots that haven't been treated with cattle manure, 300 - 400 kg/ha is recommended.

“As an export manager I visit stables all over the world and everywhere people are enthusiastic about our products and the way we are thinking about feeding management. Helping these people in feeding their horses and finding new distributors in different countries gives me the positive energy I need.”

Frank van Rozendaal
Export Manager

Quotes from the experts...

Christoph Hinkel, boss at Paul Schockemöhle Stud Farm:

"We've had the pleasure of working with Pavo for more than 10 years. In order to ensure that the offspring of our top stallions benefit from a healthy start, we recommend the Pavo Podo® range to all of our breeders."

Bert Wichers, recognised equine veterinarian and KWPN horse breeder:

"As a veterinarian, I'm convinced that nutrition plays a major role in the health of horses. I see it in my own foals. Pavo is my partner when it comes to acquiring scientific knowledge on nutrition and OCD, which is why I have participated in their research. The results present a dramatic leap forward in the management of OC/OCD. And, because every business plays a role in tackling Osteochondrosis, I recommend the Pavo Podo®Care concept to everyone."



FEEDING PLAN

Feeding recommendations for heavily pregnant or lactating warmblood mares and foals (with an adult weight of 600 kg). For ponies and pony foals use half the amount.

Mares from 9th month of pregnancy

- Forage as required (hay or haylage) or pasture grass.
- From the 9th month of pregnancy until birth of foal.
- 2 kg/day of Pavo Podo®Lac; increase the feed quantity weekly by 100 g during this period.
- Lactation 1st - 4th month ca. 3 - 4 kg/day Pavo Podo®Lac
- Lactation 5th - 6th month ca. 2.5 - 1.5 kg/day Pavo Podo®Lac; slowly reduce the amount of concentrate during this period.
- If the mare isn't receiving Pavo Podo®Lac, provide 200 g of Pavo Podo®Care daily during the last three months of gestation until birth of foal.

Foals from 6th week of life to 8 months of age

- Pasture grass + mare's milk.
- 200 g/day Pavo Podo®Care feed (starting with small amounts) from 6th week of life.
- Begin with 150 g of Podo®Start from week 4, and then increase by 50 g per month.
- As soon as the foal is consuming 1 kg of Pavo Podo®Start per day, Pavo Podo®Care feed is no longer required.
- If no concentrate feed (with Podo®) is being provided, then continue support with 200 g of Pavo Podo®Care daily up to 12 months of age.

Foals after weaning

- Forage as required (hay or haylage) or grass.
- 6th - 7th month ca. 1.5 - 2.5 kg of PavoPodo®Start per day.
- 8th - 12th month ca. 1.5 - 2.5 kg of PavoPodo®Grow per day.
- 13th - 18th month ca. 0.75 - 1.5 kg of PavoPodo®Grow per day.
- 19th - 30th month ca. 1.0 - 2.0 kg of PavoPodo®Grow per day.
- If no concentrated feed (with Podo®) is being provided, then continue support with 200 g of Pavo Podo®Care daily up to 30 months of age.

Tip

If the foal is growing extremely rapidly and the mare starts to lose weight due to a high milk yield, switch to Pavo EnergyControl. This ensures that the mare remains in good shape and the foal doesn't grow too fast, which is better for both.

Know what your foal is eating

Feeding with concentrates or supplements is always in addition to the total daily ration. Mares and foals require forage with a higher than average energy and protein content. Check whether you have the right hay for mares and foals via a forage analysis. Only then is it possible to feed appropriately.

Breeding

Horse breeders appreciate the successful Pavo Podo® recipe

Proper nutrition is the foundation of healthy development. Pregnant and lactating mares need additional support during this intensive period, whilst growing foals, yearlings and young horses also have specific nutrient requirements.

Specific vitamins and minerals are required in increased amounts, whilst other nutrients should not be fed in too high amounts.

The Pavo breeding range is specially formulated to satisfy these specific nutrient requirements and provide the best possible start for a healthy future. All products have been developed in collaboration with veterinarians according to the latest scientific research and have been tested by reputable breeders.



Recommended by KWPN

Pavo Podo®Lac

For heavily pregnant and lactating mares

Suitable for: pregnant mares from the ninth month and during lactation

Pavo Podo®Lac is a premium quality feed that provides unborn foals with essential nutrients and optimally supports the mare's milk production. As a supplement to forage, it forms Step 1 of your mare and foal feeding plan.

The nutritional value of grass differs greatly from forage. Pavo Podo®Lac comes in two different formulas - an Indoor Season and an Outdoor Season (June-Oct, when mare and foal can graze in the paddock or pasture). Podo®Lac Indoor Season contains a double dose of vitamin E and significantly more protein.

- ✓ Based on the proven Podo concept
- ✓ Contains high levels of readily absorbable copper, zinc and manganese
- ✓ Superior Ca/P ratio and extra magnesium
- ✓ Keeps the mare in optimum condition and supports maximum milk yield



Product Specifications Outdoor season

Composition	Guaranteed analysis
Wheat, Wheat feed, Soya hulls, Soya (bean) meal - toasted, Barley, Cane molasses, Rape seed meal, Oats, Alfalfa, Linseed, Soyabeanoil, Vitamin & minerals	Energy DE 13,2 MJ/kg
	Crude protein 15,0 %
	Dig. crude protein 12,0 %
	Crude fat 3,5 %
	Crude fibre 10,0 %
	Sugar 7,0 %
	Starch 25,0 %

Feeding advice Podo®Lac kg/day

Gram/100 kg/day (pregnant and lactating mares)	
9 - 11 months pregnant	450 g/100 kg/day
1 st - 3 rd month of lactation	600 g/100 kg/day

Product Specifications Indoor season

Composition	Guaranteed analysis
Wheat, Wheat feed, Soya (bean) meal - toasted, Rape seed meal, Oats, Barley, Cane molasses, Oats, Wheat, Alfalfa, Soya hulls, Linseed, Soyabeanoil, Vitamin & minerals	Energy DE 13,0 MJ/kg
	Crude protein 20,0 %
	Dig. crude protein 16,0 %
	Crude fat 5,5 %
	Crude fibre 9,0 %
	Sugar 9,0 %
	Starch 18,0 %



Pavo Podo®Care

A food supplement for young foals up to 24 months

Suitable for: Mares and foals that receive no Podo® in their concentrates

This dietary supplement containing Podo® minerals has been specially formulated for young foals up to 30 months. Pavo Podo®Care supports healthy bone metabolism for the optimal development of foals. The secret lies in the correct calcium, magnesium and phosphorus ratio, and the special form in which these nutrients are provided. Furthermore, Pavo Podo®Care contributes to balanced growth and supports the circulation. This supplement provides your foal with the finest possible start in life!

- ✓ Contains the proven Podo-concept
- ✓ Supports bone metabolism
- ✓ The finest start for healthy foals
- ✓ Scientifically proven

Product Specifications

Composition	Guaranteed analysis
Alfalfa, Wheat middlings, Magnesium phosphate, Lactose, Cane molasses, Magnesium salts of organic acids, Maize germ oil, Dextrose, Vitamins & minerals	Energy DE 8,5 MJ/kg
	Crude protein 13,0 %
	Dig. crude protein 9,0 %
	Crude fat 3,2 %
	Crude fibre 16,7 %
	Sugar 8,0 %
	Starch 5,0 %

Feeding advice Podo®Care g/day

Gram / day (foals 6 weeks - 12 months and mares in the last 3 months of pregnancy)

Mare	200 g per day
Pony foal	100 g per day
Horse foal	200 g per day

Tip 1

Mares that are prone to placental retention after giving birth

Mares that are prone to placental retention after giving birth should also be given Pavo Eplus (from two months prior to the scheduled birth date) as a preventative measure. It can also be used as a curative measure as soon as the problem is detected. Extra vitamin E and selenium promote the expulsion of the placenta.

Tip 2

Mares that suffer excessive weight loss during lactation

Podo®Lac is designed to optimally support and stimulate the mare's milk production. Unfortunately, some mares provide too much milk, which results in an underweight mare and an overweight foal. In this instance, replace Podo®Lac with Pavo Energy Control 6 - 8 weeks after foaling. The mare will receive more energy and produce less milk, enabling her to fully recover. Be sure to make the switch gradually (over two weeks).

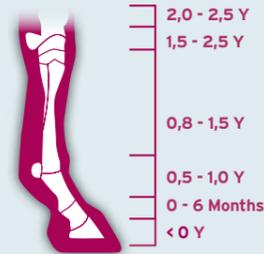
The Pavo Podo® recipe for success



The Pavo Podo® recipe for success is now in its 20th year of production. Based on research from all over the world, Pavo Podo® is continually being adapted to reflect the latest scientific findings. The Pavo Podo® secret lies in the availability and ratio of the macro minerals that it contains. Whilst calcium, phosphorus and magnesium are all essential for bone development, it's not the quantity, but rather the correct combination of these macro minerals that's the deciding factor in healthy bone growth.

The importance of prompt action

A foal can recover from joint damage, providing that the bone's growth plates haven't yet closed. Once they've closed, the effect is irreversible. Growth plates first join in the bones located in the body's extremities, and lastly in the torso. By two years of age this process is more or less complete.



The composition of mare's milk cannot be influenced

As the composition of minerals, trace elements and lactose in mare's milk is almost 100% genetically determined, you cannot influence it via nutrition. That's why it's so important to support young foals from the very outset.



Pavo Podo®Start

Small pellets for young foals



Suitable for: young foals from 3 weeks to 8 months of age

Pavo Podo®Start is not only rich in quality protein (essential amino acids); it also contains all of the essential vitamins and minerals that young foals require, including extra magnesium for healthy bone growth. Pavo Podo®Start provides an excellent basis for the transition from mare's milk to solid feed. For the responsible development of young foals from 3 weeks until 8 months of age.

- ✓ Based on the proven Podo® concept
- ✓ Contains optimal quantities of magnesium, copper, zinc and manganese in a readily digestible form, for unrestricted bone growth
- ✓ 5 mm pellets, suitable for the small mouths of young foals



Feeding advice for foals kg/day

Weight of the full grown horse	200 kg	400 kg	600 kg
0 - 2 th Podo®Start	0,1-0,4	0,2-0,5	0,3-0,75
3 th - 5 th * Podo®Start	0,25-1,0	0,5-1,5	0,75-1,5
6 th - 7 th Podo®Start	0,5-1,25	1,0-2,0	1,5-2,5
Hay or dry silage	free	free	free

* Double the recommended amount after weaning

Pavo Podo®Grow

Top quality rearing feed for horses aged between 1 and 2 years

Suitable for: young horses of between 8 and 30 months of age

Pavo Podo®Grow is the top feed for the development of weaned foals up until their third year. The basis for strong legs later in life, it ensures an optimal strengthening of bones and simultaneously supports the care of joints and tendons.

- ✓ Based on the proven Podo® concept
- ✓ Contains extra essential amino acids
- ✓ Contains magnesium, calcium and phosphorus in the correct ratios for growing horses
- ✓ Supports the healthy development of joints and promotes steady growth



Product Specifications

Composition	Guaranteed analysis
Wheat, Wheat feed, Barley, Soya (bean) meal - toasted, Cane molasses, Soya hulls, Alfalfa, Sunflower seed - extracted, Linseed, Maize, Lactose, Soyabeanoil, Vitamin & minerals	Energy DE 13,4 MJ/kg
	Crude protein 16,0 %
	Dig. crude protein 13,0 %
	Crude fat 4,0 %
	Crude fibre 9,0 %
	Sugar 9,0 %
	Starch 24,0 %

Feeding advice for foals kg/day

Weight of the full grown horse	200 kg	400 kg	600 kg
8 th - 12 th Podo®Grow	0,5-1,25	1,0-2,0	1,5-2,5
13 th - 18 th Podo®Grow	0,25-1,0	0,5-1,5	0,75-1,5
19 th - 24 th Podo®Grow	0,4-1,0	0,75-1,5	1,0-2,0
Hay or pasture grass	2,0-3,0	4,0-6,0	6,0-8,0



When things don't go according to plan

Sometimes your worst nightmare comes true: a mare dies and you're left with a vulnerable, newborn foal. That's when our S.O.S. Kit can come to the rescue.



The Pavo S.O.S. Kit is available from vets and authorised Pavo stockists, which can be identified on our web site by the S.O.S. Kit logo.



Pavo S.O.S. Kit

Survival pack for the first 24 hours

This survival kit is easy to prepare and a life-saver for orphaned foals or foals receiving little or no colostrum from the mare.

Contains:

- ✓ Colostrum (2 sachets of 150 g)
- ✓ Feeding bottle with teat (1x)
- ✓ Foal milk (1 sachet of 1500 g)
- ✓ Comprehensive instructions

Pavo Colostrum

Emergency colostrum replacement

Suitable for: orphan foals / foals receiving little or no colostrum from the mare / in the event of blood disease (Rhesus factor)

- ✓ Provides newborn foals with the necessary antibodies
- ✓ Naturally boosts strength and vitality
- ✓ Promotes healthy intestinal function
- ✓ Easy to prepare, with a long shelf life

Product Specifications

Composition	Guaranteed analysis
Pavo Colostrum sachet (= 150 grams)	Crude protein 70,0 % Crude fat 2,0 % Crude fibre 0,0 % Crude ash 3,0 % Sodium 0,1 %



Pavo FoalMilk

An excellent alternative to mare's milk

Pavo FoalMilk is an excellent mare's milk substitute for orphan foals or foals whose mothers aren't producing enough milk. Mare's milk has a totally different composition to cow's milk. The Pavo FoalMilk formula is based on the composition of mare's milk and thus satisfies the specific needs of young foals. Foals reared on Pavo FoalMilk enjoy the same healthy development as their mare-fed contemporaries.

- ✓ A complete replacement for mare's milk
- ✓ Specially formulated for horses
- ✓ Easy to use

You can learn more about how to use Pavo FoalMilk at

www.pavohorses.co.uk/breeding/products/pavo-foal-milk

Product Specifications

Composition	Guaranteed analysis
Skimmed milkpowder, Whey powder, Palm oil, Glucose	Energy DE 19,4 MJ/kg Crude protein 21,0 % Dig. crude protein 18,8 % Crude fat 16,0 % Crude fibre 0,02 % Sugar 49,0 % Starch 0,4 %



Pavo Fertile

For a fertile horse

Suitable for: broodmares and mares with fertility problems

Pavo Fertile is specially formulated to support the fertility of mares. It contains vitamin E, a high concentration of beta-carotene and trace elements. Pavo Fertile actively stimulates the mare's oestrous cycle, helps to reduce the risk of early embryonic death and supports the quick expulsion of the placenta after birth.

- ✓ Contains vitamin E, beta-carotene and trace elements
- ✓ Helps to reduce the risk of early embryonic death
- ✓ Supports the quick expulsion of the placenta after birth

Product Specifications

Composition	Guaranteed analysis
Alfalfa, Wheat middlings, Dextrose, Maize germ oil	Crude protein 14,0 % Dig. crude protein 10,0 % Crude fat 3,0 % Crude fibre 17,0 % Sugar 3,0 % Starch 13,0 %



Feeding advice g/day

Gram / day	
Horse (600 kg)	100 g / day
Pony (300 kg)	50 g / day



How much proteing does a horse require?

	Crude Protein in total diet (including forage)
Horses in light work	5 - 7 %
Sport horses	10 - 12 %
Young horses, pregnant and lactating mares	10 - 14 %
Foals and yearlings	12 - 15 %

PROTEIN IN HORSE FEED

There are three essential nutrients:

- Proteins built from
 - essential amino acids - your horse cannot manufacture these itself
 - non-essential amino acids - your horse can manufacture these itself
- Fats
- Carbohydrates

Together with water, proteins are the building blocks of all bodily tissue. The body cannot store protein, unlike fat and carbohydrates. It's therefore an essential component of your horse's daily diet.

A horse uses protein for:

- The formation of muscle, supportive and protective tissue
- Various metabolic processes (the enzymes required for these processes largely consist of protein)
- Muscle contraction
- Efficient liver and kidney function
- The production of haemoglobin, which is responsible for oxygen transportation within the blood
- The body's defence mechanism, which prevents it from becoming sick
- Blood clotting (scabs are formed from protein)

“When we talk about poor protein quality, we mean that it's low in essential amino acids. Soy protein contains plenty of essential amino acids and is therefore considered a high quality protein.”

Elske Dijkstra, Pavo Nutritionist

What happens if your horse receives too much protein?

If protein is not used as a building material, the horse can use it as a relatively inefficient source of energy. Any excess protein is then broken down. This process creates urea, which must be expelled from the body via the kidneys. The horse will start to urinate excessively and may suffer from diarrhoea, which is an additional burden on the body.

Pavo, the answer to all your feeding questions.



Helen Langehanenberg's nutritional question: "How can we build muscle?"

"When we moved our horses to new stables, we started thinking about their feed. Not because of disappointing performance, but rather because I'm continually searching for improvements," reveals Olympic dressage rider, Helen Langehanenberg, who collaborates with horse feed manufacturer, Pavo.

Her horses enjoy unlimited fresh hay and benefit from daily pasture access.

But Helen began wondering:

"How can I optimise their feed and promote healthy muscle development? And that was the moment we got in touch with Pavo. I was struck by the scientific know-how that underpins their horse feed from the very first meeting."

Knowledge is power

"In order to create the optimal horse ration, you have to examine and measure everything," says Pavo Product Manager, Rob Krabbenborg, who brought horse scales with him in his trailer. Helen: "Nothing was left to chance. Knowledge, and ultimately the horse's performance, comes from knowing the precise weights and nutritional composition of their feed. "Knowledge is power" became our motto as we set to work."

The problem lay mainly in the quality of the hay that Helen was feeding her horses. Its energy and digestible protein values (DPV) were low too for sport horses.

New sport horse rations

The measurements and analysis were used to determine the horse's individual nutritional requirements. The oats were removed from their rations.

Rob:

"Oats only add energy to a diet. However, supplementing the forage with concentrates and providing a diet suitable for sport horses is much more complex. In Helen's particular case, the horses also required additional protein."

Pavo TopSport muesli satisfied the nutritional requirements of

Helen's sport horses. So, it was decided that, in addition to good quality hay, all of her horses would receive a quantity of muesli, based on the needs of each individual horse.

Helen:

"In the three months that part of the stable was on the new diet, we saw significant improvements. Especially when it came to muscle development. For two young dressage horses in particular, the ration change proved to be extremely beneficial. Despite eating well, both were too skinny. They now look nicely filled out."

Teamwork

Helen:

"One by one, we gradually changed the diet of every horse in our stable. Nutritional requirements are now individually tailored to each horse. Horses prone to rapid weight loss are put on Pavo TopSport, whilst others receive Pavo SportsFit. The entire ration adjustment process was actually extremely straightforward and incredibly smooth. Now, whenever there's a newcomer to the stable, I automatically call a Pavo nutrition advisor to discuss the appropriate diet.

'Equine nutrition has taken on a whole new meaning for me. It now feels like "teamwork". The communication is excellent and I'm glad that I had the opportunity to participate in the three-month trial. These days I regularly have a hay analysis performed in the Netherlands, in order to verify its nutritional value. I've learnt that nutritional values are not always what they seem, and that quality can vary.

Ultimately, you want the best for your horses; which means aligning the feed to the individual requirements of each horse as closely as possible."



Helen Langehanenberg

Helen Langehanenberg began her career with Ingrid Klimke in Münster, followed by an internship at the renowned Klaus Balkenhol. In 2005 she won the World Championships for Young Dressage Horses in Verden with the stallion Damon Hill. The same duo accompanied the German team as a reserve in the 2008 Olympics.

She also rode Damon Hill in the London 2012 Olympics, where she won the Silver Team Medal for Germany. Helen again landed the Silver Team medal with Damon Hill at the WEG in Normand in 2013. She currently runs a dressage stable stocked with young horses in the Billerbeck area of Germany.

Sport

Talent, training, management and nutrition

In order to deliver top sport performances you first need a healthy horse. A huge amount of talent is not always necessary if your ambitions are not the Olympic Games. With the appropriate management and well thought out training you can go a long way. An important part of management is providing an optimal diet for your horse. Correct nutrition plays an extremely important role in optimising performance.

Therefore it is essential to know exactly what the requirements are of the individual athletic horse. "The nutrient balance needs to be

correct". What we mean here is that next to the correct amount of energy and protein, the correct quantity and ratio of vitamins and minerals is also vitally important.

The answer:

The Pavo sports assortment contains innovative products, developed to meet the requirements of sport horses in all disciplines.



Pavo SportsFit

Endurance for all disciplines



Suitable for: endurance disciplines, including dressage, eventing, driving, national and international endurance events / horses that require plenty of power, while remaining manageable

This non-heating sports muesli is specially formulated for horses that require plenty of power, whilst remaining manageable. The ideal source of energy for sport horses is a combination of starch and oils. Starch provides quick energy for extra 'power', whilst vitamin E and selenium ensure the rapid removal of waste products. The oil in SportsFit acts as a slow-release, energy source that doesn't produce waste products such as lactic acid.

- ✓ Contains extra magnesium and has been specifically developed for sport horses
- ✓ Contains powerful antioxidants, natural vitamin E and selenium for optimum muscle condition
- ✓ Contains a high concentration of puffed cereal for maximum digestibility
- ✓ Contains high levels of vitamins (400 mg Vitamin E per kg)

Product Specifications

Composition	Guaranteed analysis
Popped Barley, Alfalfa, Wheat feed, Oats, Black oats, Soya hulls, Soyabeanoil, Wheat, Cane molasses, Popped maize, Toasted soybean flakes, Linseed, Pea flakes, Maize, Sunflower seed - extracted, Maize germ oil, Chicory pulp, Vitamin & minerals	Energy DE 14,4 MJ/kg Crude protein 12,0 % Dig. crude protein 10,0 % Crude fat 9,0 % Crude fibre 11,0 % Sugar 4,5 % Starch 27,5 %



Feeding advice SportsFit kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Medium work	0,9 kg/day	1,8 kg/day	2,7 kg/day
Heavy work	1,2 kg/day	2,4 kg/day	3,6 kg/day

Pavo AllSports

The sport feed for every discipline



Suitable for: all sport horses in every discipline

Success depends upon disposition, character, training, management and consciously choosing a healthy diet. Pavo AllSports helps to achieve and maintain your horse in a healthy sport condition. It contains various sources of energy, such as starch from cereal grains and oil-rich seeds providing the correct balance between quick and slow-release energy. It also contains extra magnesium, natural vitamin E and selenium. Pavo AllSports promotes greater flexibility and enhanced stamina.

- ✓ Energy-rich sports pellets with Omega 3 & 6 fatty acids
- ✓ Extra magnesium for the care of muscles and joints
- ✓ Added linseed for a healthy shine

Product Specifications

Composition	Guaranteed analysis
Wheat, Barley, Wheat feed, Oats, Cane molasses, Alfalfa, Soya hulls, Maize, Linseed, Oat middlings, Soyabeanoil, Vitamin & minerals	Energy DE 13,1 MJ/kg Crude protein 11,0 % Dig. crude protein 7,5 % Crude fat 4,0 % Crude fibre 10,0 % Sugar 6,0 % Starch 30,0 %



Feeding advice AllSports kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Medium work	0,9 kg/day	1,8 kg/day	2,7 kg/day
Heavy work	1,2 kg/day	2,4 kg/day	3,6 kg/day

Interview with Michael Jung: Quality takes priority



The weather's hot. You're with your horses at an international competition. How can you care for your horses in this situation?

Michael Jung: "Electrolytes are important in high temperatures. When a horse sweats, it not only loses moisture; but also important mineral salts such as sodium, chloride and potassium. I make up for this with electrolytes and always take my own hay to competitions. All of my horses receive as much forage feed as they can eat."

I know from experience that the more hay horses eat, the more they drink. If I take my own hay, then I can be confident that the energy value is the same as at home. A good quality forage feed forms the basis of my entire feed management."

Do you change anything in the horse's feed after returning home from a tough competition?

Michael Jung: "Movement and light work is the only thing on the agenda after a tough competition, so I reduce the amount of concentrates that they receive. The volume of concentrates is aligned to their exercise."

Eventing Horses need to be incredibly fit. Do they receive a different ration to the jumpers in your stable?

Michael Jung: "In principle, no. All my horses receive the same food wherever possible, just in different quantities. When top sport performance is required, then the quantity is increased. The type of feed that

they receive, however, has less to do with discipline and more to do with the horse's breed, behaviour and temperament. Regular blood tests help us to create the optimal diet. We do this in collaboration with the experts at Pavo."



Pavo Triple P

Pavo Power Performance muesli for explosive power (PPP)



Suitable for: horses that require quick bursts of explosive energy, such as show-jumpers and race horses / fussy eaters

This delicious muesli delivers plenty of quick-release energy and explosive power. It contains puffed cereal, which ensures maximum nutrient absorption for rapid and efficient use within the body, and gives horses that little bit extra prior to showing. And, as it's so tasty, it's ideal for fussy eaters at competitions.

- ✓ For plenty of readily available energy and explosive power
- ✓ Absolutely irresistible, even for fussy eaters
- ✓ Boasts a vitamin, mineral and trace element composition that's been specially formulated for horses

Product Specifications

Composition	Guaranteed analysis
Popped Barley, Oats, Alfalfa, Black oats, Wheat feed, Popped maize, Cane molasses, Toasted soybean flakes, Wheat, Soyabeanoil, Maize germ oil, Vitamin & minerals	Energy DE 13,4 MJ/kg Crude protein 11,5 % Dig. crude protein 9,0 % Crude fat 5,0 % Crude fibre 10,0 % Sugar 4,5 % Starch 33,0 %



Feeding advice Triple P kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Medium work	0,9 kg/day	1,8 kg/day	2,7 kg/day
Heavy work	1,2 kg/day	2,4 kg/day	3,6 kg/day



Pavo EnergyControl

Top sports feed for sustained performance



Suitable for: horses in intensive training and competition / that require more body

Pavo EnergyControl is the ultimate premium quality sports feed. It boasts the highest energy value of all our pelleted feeds and has been specially formulated for horses that must deliver intensive performances without overheating. Pavo EnergyControl actively cares for overworked muscles, leaving them supple and nicely toned. It will also provide your horse with plenty of manageable energy and a beautiful, healthy shine.

- ✓ Boasts a high energy value, with essential oils for endurance performance
- ✓ With slow-release energy for increased stamina
- ✓ Extra vitamin E and powerful antioxidants for muscle care

Product Specifications

Composition	Guaranteed analysis
Barley, Wheat, Wheat feed, Soya hulls, Cane molasses, Rape seed meal, Oats, Maize, Linseed, Soyabeanoil, Vitamin & minerals	Energy DE 14,7 MJ/kg Crude protein 11,5 % Dig. crude protein 8,5 % Crude fat 6,0 % Crude fibre 9,0 % Sugar 6,0 % Starch 29,0 %

Feeding advice EnergyControl kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Medium work	0,9 kg/day	1,8 kg/day	2,7 kg/day
Heavy work	1,2 kg/day	2,4 kg/day	3,6 kg/day



“ My hobby is warmblood breeding, and I constantly run into customers at stallion shows. You could argue that I'm on the job seven days a week, but to me it feels more like a permanent holiday. I'm certainly not complaining!

Arjan Smits
Account Manager

For sportsmen and women with ambition



Merel Blom won a bronze team medal with her horse, "Rumour Has It," at the World Championships in Normandy and has therefore qualified for the 2016 Olympics.

On the road to Rio, with Pavo

"This certainly contributed to my success," says eventing rider Merel Blom, pointing to a bag of Pavo TopSport. She goes on to explain how she's adapted her feeding management. "Like everyone, I always felt that my eventing horses should be leaner. Every additional kilo they're carrying is one too many." Her horses received five or six kilos of concentrates per day. "I knew this was far from ideal. They didn't have sufficient energy to sustain the work I asked of them and they also appeared dull."

Merel's horses are supervised by Leendert Jan Hofland from the Bodegraven veterinary clinic. Together they examined the feed very closely. It soon became evident that her horses were protein deficient. That had to change. After a subsequent forage analysis, a new ration was compiled using forage as the main ingredient and a muesli containing extra protein. In addition to three kilos of this sports feed, her competition horses also received one kilo of Pavo TopSport per day.

Merel noticed the difference after just one week. "The horses were more focused and stable. There was less fluctuation in their energy levels. As a result, they coped better with training and their muscle mass increased. That they were heavier didn't concern me, because they had significantly more power: more than enough to carry those extra kilos."

The changes were spectacular. "My horses were getting fitter, but not hotter. And even though I have hot blooded horses, they were actually more stable. Totally different to feeding rapidly digestible sugars that give a quick burst of energy and then leave the horse empty. In that respect, dressage riders would also benefit tremendously from this feed."

Ration example sporthorse

Horses in the national competition (warmblood 600kg):	Dressage horse at international level (600kg):	Show jumper at international level (600kg):	Eventer at international level (550 kg):
<p>When a good quality roughage is given (8,8-9,5 MJ/kg DM and total proteins of minimum 100-110 grams/kg DM):</p> <ul style="list-style-type: none"> • 8 - 11 kg roughage • 2 kg Pavo Condition or Pavo AllSports • No Pavo TopSport 	<p>When a good quality roughage is given (9,5-10,2 MJ/kg DM and total proteins of minimum 110-120 grams/kg DM):</p> <ul style="list-style-type: none"> • 8 - 11 kg roughage • 3 kg Pavo EnergyControl • No Pavo TopSport 	<p>When a good quality roughage is given (9,5-10,2 MJ/kg DM and total proteins of minimum 110-120 grams/kg DM):</p> <ul style="list-style-type: none"> • 8 - 11 kg roughage • 3 kg Pavo AllSports or Pavo Triple P • No Pavo TopSport 	<p>When a good quality roughage is given (9,5-10,2 MJ/kg DM and total proteins of minimum 110-120 grams/kg DM):</p> <ul style="list-style-type: none"> • 8 - 11 kg roughage • 2 kg Pavo SportsFit • 1 kg Pavo TopSport
<p>When an average or poor quality roughage is given:</p> <ul style="list-style-type: none"> • 8 - 11 kg roughage • 1 kg Pavo AllSports or Pavo Condition • 1 kg Pavo TopSport 	<p>When an average quality roughage is given:</p> <ul style="list-style-type: none"> • 8 - 11 kg roughage • 2 kg Pavo EnergyControl • 1 kg Pavo TopSport 	<p>When an average quality roughage is given:</p> <ul style="list-style-type: none"> • 8 - 11 kg roughage • 2 kg Pavo AllSports or Pavo Triple P • 1 kg Pavo TopSport 	<p>When an average quality roughage is given:</p> <ul style="list-style-type: none"> • 8 - 11 kg roughage • 2 kg Pavo SportsFit • 1 kg Pavo TopSport



Pavo TopSport

The muesli topping for sport horses



Suitable for: horses that don't benefit from access to a pasture and receive medium to poor quality forage / with insufficient muscle development / with insufficient stamina

The show-piece of the Pavo Sport range. Formulated according to detailed scientific research, developed in collaboration with the finest vets, and tested by professional athletes. Pavo TopSport is the muesli topping for hard-working horses. Pavo TopSport balances out rations with as much as 20% readily digestible protein for optimum muscle support, and 18% oil for maximum energy and power. And, of course, it contains all of the vitamins and minerals your athlete requires.

Please note: only for horses that exercise strenuously, who are not at pasture and those receiving medium to poor quality forage. Also for horses having difficulty building muscle.

- ✓ Extremely high in essential amino acids
- ✓ Supports muscle growth and care
- ✓ For a great-looking horse with plenty of power



Product Specifications

Composition	Guaranteed analysis
Toasted soybean flakes, Linseed, Maize, Wheat feed, Alfalfa, Sunflower seed - extracted, Chicory pulp, Soyabeanoil, Cane molasses, Wheat, Maize germ oil, Vitamin & minerals	Energy DE 14,4 MJ/kg
	Crude protein 20,0 %
	Dig. crude protein 16,8 %
	Crude fat 18,0 %
	Crude fibre 7,5 %
	Sugar 5,0 %
	Starch 16,5 %

Feeding advice TopSport kg/day

Bodyweight adult horse	200 kg	400 kg	600 kg
Medium work	0,3 kg/day	0,7 kg/day	1,0 kg/day
Heavy work	0,5 kg/day	1,0 kg/day	1,5 kg/day

(Replace 1 kg of the current concentrates with 1 kg Pavo TopSport). Do not give more than 1,5 kg TopSport per day.



Did you know that sport horses require approximately 1000 - 1200 grams of protein per day? An average horse receives around 9 kg of nutrients per day. This must include at least 1 kg of protein. "That hardly ever happens and is the root cause of many problems, especially in sport horses," explains Pavo Nutritionist, Rob Krabbenborg.



Which horses could benefit from Pavo TopSport?

- Horses that are trained at a professional or semi-professional level on a daily basis, from class M upwards
- Horses that lag behind in terms of muscle development
- Horses that have insufficient energy for endurance performance
- Young horses that are developing muscle
- Horses that do not benefit from access to grazing paddock or are fed medium to poor quality forage





“ I’m extremely proud to work in such a great team. I strive to provide my Pavo colleagues and clients with the right information about invoices and products on a daily basis. And, at home, I’m every bit as proud of my Welsh ponies. As a breeder, nothing beats witnessing the birth of your own foals.

Ellen Oosterom
Office Manager



Pavo Gold E

Bringing balance to cereal grain diets



Suitable for: balancing out high energy cereal diets

These premium quality pellets have been specially formulated to balance out cereal diets.

By using Pavo Gold E and oats in a 1:2 ratio, you will be providing your horse with one of the finest sport diets available.

- ✓ The perfect supplement to balance out a cereal based diet
- ✓ Boasts an extremely high vitamin and mineral content
- ✓ Highly concentrated, only a small daily amount required

Product Specifications

Feeding advice Gold E kg/day			
Bodyweight adult horse	200 kg	400 kg	600 kg
Medium work	0,4 kg Gold + 0,6 kg Oats	0,7 kg Gold + 1,2 kg Oats	1,1 kg Gold + 1,8 kg Oats
Heavy work	0,5 kg Gold + 0,8 kg Oats	1,0 kg Gold + 1,6 kg Oats	1,5 kg Gold + 2,4 kg Oats

Composition	Guaranteed analysis
Barley, Wheat, Wheat feed, Alfalfa, Cane molasses, Soya hulls, Soya (bean) meal - toasted, Linseed, Maize, Soyabeanoil, Vitamin & minerals	Energy DE 13,6 MJ/kg
	Crude protein 11,0 %
	Dig. crude protein 9,0 %
	Crude fat 5,0 %
	Crude fibre 9,0 %
	Sugar 6,0 %
	Starch 30,0 %

Pavo Cereals

The Pavo cereal range boasts four different products, all containing top quality cereals with a high energy value.



- ✓ Peeled white oats
- ✓ Peeled black oats
- ✓ Crushed white oats
- ✓ Cereals Complete (a premium blend of white and black oats, barley and linseed with added vitamins and minerals)

Extremely suitable for:

- ✓ Horses that require extra energy
- ✓ Horse keepers who want to create their own horse rations



Visit www.pavohorses.co.uk for more information about cereals

You can add salt to your horse feed, but it's important to note: it also matters what type of salt you use. Salt for human consumption usually contains added iodine, which is not good for horses. Use ordinary sodium chloride and spread it over several feeds to prevent your horse from leaving food uneaten. Better still, add an electrolyte mix that's been specifically formulated for horses instead. Pavo E'lyte not only contains sodium chloride; but also several other mineral salts that your horse loses via sweating.

You can find more information about Pavo E'lyte on page 58.

SO MUCH SALT...

Salt Requirements

A horse sweats more than you think. In fact, on an average summer's day at a temperature of around 20 degrees a horse can lose around two to four litres of fluid per hour during light exercise and up to 19 litres per hour with strenuous workouts. In warmer weather this can double.

Even in cooler temperatures, horses sweat when exercising. So, how can you replace the salt that's lost via sweating? Forage feed contains almost no salt, and concentrates very little.

This is intentional. Horses have varying salt requirements and temperatures change according to the seasons. As they don't exercise intensively and sweat less as a result, wild horses require less salt. They obtain their salt by gnawing on tree bark or roots, or by licking salt-rich soil.

"A salt block in the stable or pasture will not sufficiently maintain your horse's salt balance at the required levels on days when your horse sweats profusely."

Rob Krabbenborg, Product Manager

If you do use a salt block, choose a standard salt block not containing iron as the average horse already receives more than enough iron in his diet.

Don't forget that it's about the salt content - flavoured varieties only contain unnecessary additives that make them more expensive.

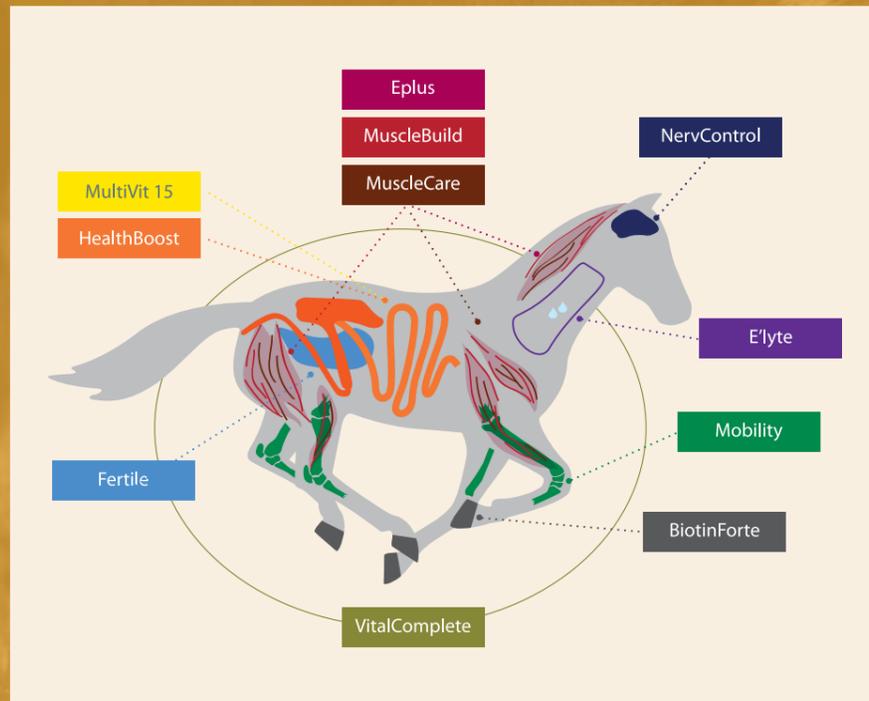
You can read more about salt management on page 58.

Pavo, the answer to all your feeding questions.

Supplements

How important are vitamins and minerals for your horse?

There are regular phases in which your horse will have special nutritional requirements. Sometimes standard concentrates are not enough to satisfy these, for example when your horse is recovering from illness, is extremely anxious or requires additional support during exercise. Pavo supplements are healthy and delicious, and support your horse whatever the circumstances.



Pavo Mobility

For supple joints

Suitable for: a preventive measure for sport horses / horses with muscle and joint problems / horses older than 16 years of age

Supple movement requires healthy joint function. Joint complaints, such as inflammation, cartilage overgrowth or wear and tear, are often painful and prevent proper joint function. This typically manifests in stiffness, poor movement, loss of willingness to exercise and injuries. Pavo Mobility boasts a unique combination of Colatech® collagen, glucosamine complex, chondroitin and hyaluronic acid, which helps to promote the healthy function of your horse's joints.

- ✔ Supports the creation of joint fluid
- ✔ Contains Colatech®, glucosamine complex and chondroitin
- ✔ Specially formulated for cartilage and joint care

Product Specifications

Composition		Vitamin levels (per kg)	
Alfalfa, Collagen, Glucosamine, Wheat middlings, Chondroitine sulfate, Hyaluronic acid, Dextrose, Maize germ oil		Chondroitine sulfate	20 g/kg
		Hyaluronic acid	1250 mg/kg
		Collagen (Enzymatically hydrolysed collagen)	125 g/kg
Glucosamine	85 mg/kg	Vitamin C	4.000 mg



More product information: page 62-65

Feeding advice Mobility g/day



Pavo BiotinForte

For strong and elastic hooves

Suitable for: horses with poor quality hooves

Brittle or damaged hooves can only be improved from the inside out. For optimal results during this lengthy process, give your horse Pavo BiotinForte for a minimum of four months. In addition to a high concentration of biotin, Pavo BiotinForte contains basic building blocks, including amino acids, lecithin, copper, zinc, manganese and sulphur. It's a complete hoof care supplement that not only helps hooves regain their elasticity; it also leaves your horse with a beautiful, healthy glow.

- ✔ Boasts a high biotin concentration
- ✔ Contains all of the basic building blocks for hoof and coat, including amino acids, lecithin, copper, zinc, manganese and sulphur

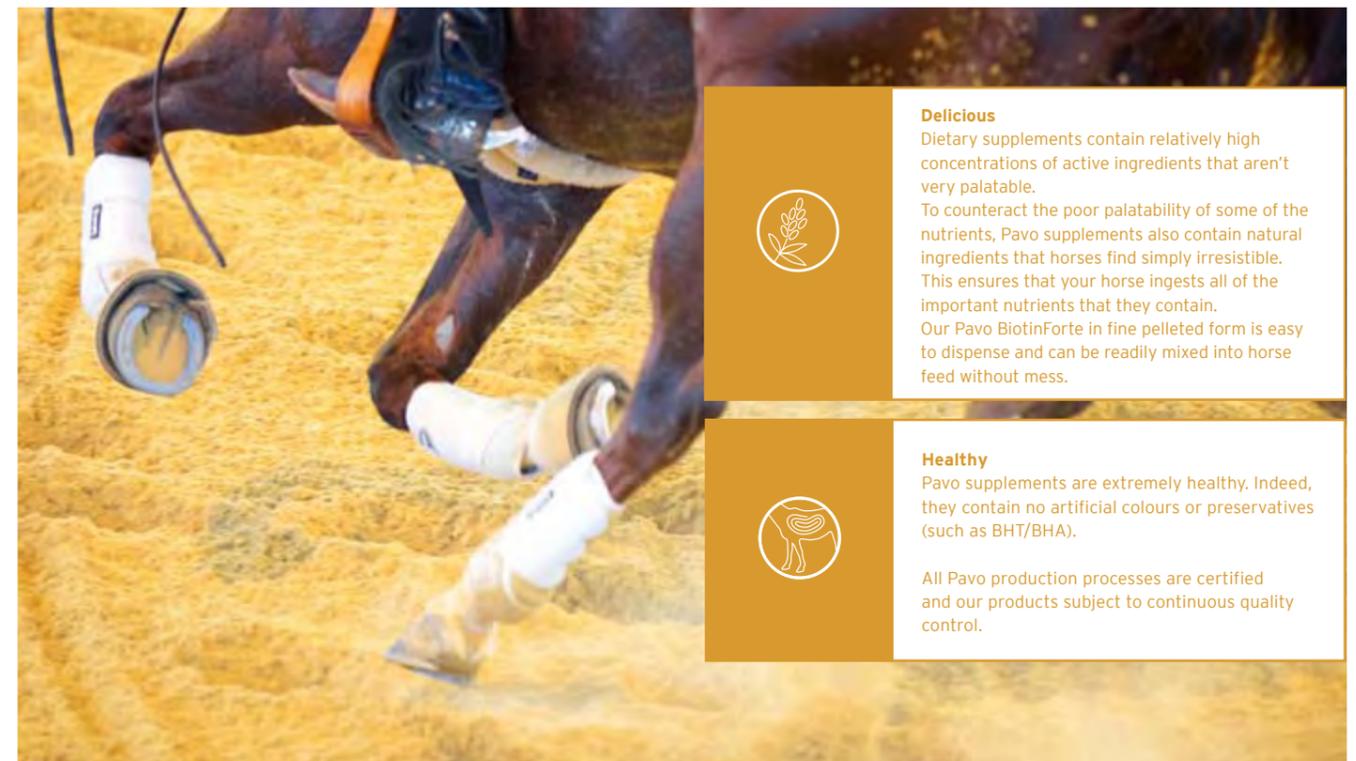
Product Specifications

Composition		Vitamin levels (per kg)	
Alfalfa, Linseed expeller, Wheat middlings, Lecithine, Yeast, Maize germ oil		Vitamin B6	300 mg
		Vitamin C	50 mg
		D-Biotin	200.000 mcg
Methionine	50 g/kg	Minerals and trace elements (per kg)	
Lecithine	40 g/kg	Copper	800 mg
Yeast	12 g/kg	Zinc	4.000 mg
		Sulphur	13 g



More product information: page 62-65

Feeding advice BiotinForte g/day



Delicious

Dietary supplements contain relatively high concentrations of active ingredients that aren't very palatable. To counteract the poor palatability of some of the nutrients, Pavo supplements also contain natural ingredients that horses find simply irresistible. This ensures that your horse ingests all of the important nutrients that they contain. Our Pavo BiotinForte in fine pelleted form is easy to dispense and can be readily mixed into horse feed without mess.



Healthy

Pavo supplements are extremely healthy. Indeed, they contain no artificial colours or preservatives (such as BHT/BHA).

All Pavo production processes are certified and our products subject to continuous quality control.



FAQ MuscleCare/Eplus/MuscleBuild ?

What is Beta-Alanine?

Beta-alanine is a non-essential-amino acid and a component of carnosine. Carnosine supports the muscle's buffer capacity against lactic acid. Adding Beta-Alanine to horse feed enables your horse's body to manufacture carnosine and thus slow muscle acidification.

When should you give MuscleBuild?

Give MuscleBuild during training periods in order to support rapid muscle development. This product is only really effective for horses that exercise intensively.

When should you give Eplus?

Eplus is intended as a preventive measure to be given both prior to and during intensive training or competition days. It helps increase the staying power of the muscles during exercise.

When should you give MuscleCare?

Give MuscleCare to horses that are prone to lactic acid build up in the muscles. It aids in muscle recovery, particularly after strenuous exercise.

Pavo MuscleCare

Caring for muscles

Suitable for: sport horses, after strenuous physical exercise / horses that are prone to muscle soreness

Pavo MuscleCare actively aids in muscle recovery. Waste products can build up and the muscles can become stiff. Pavo MuscleCare helps to accelerate the expulsion of waste products (such as lactic acid) from the body, rapidly relieving stiff, tight muscles. Your horse will quickly regain his/her former suppleness as a result.

- ✓ Relieves stiff and rigid muscles
- ✓ Provides rapid recovery after training
- ✓ Ideal for horses that are prone to muscle soreness



More product information: page 62-65

Product Specifications

Composition		Vitamin levels (per kg)	
Alfalfa, Wheat middlings, Sodium citrate, Monosodium phosphate, Dextrose, Maize germ oil		Vitamin E	5,000 IE
		Vitamin B6	750 mg
		Vitamin C	4,000 mg
Beta-Alanine	250 g/kg	Choline	620 mg

Feeding advice MuscleCare g/day



More product information: page 62-65

Feeding advice Eplus g/day



Pavo Eplus

For supple muscles

Suitable for: horses that perform strenuous physical exercise / horses that are prone to the build up of lactic acid

Muscles can become painful and stiff due to an accumulation of lactic acid and waste products during physical exertion. To be proactive in preventing this before any damage occurs, use Pavo Eplus. It contains powerful antioxidants that help neutralise waste products in the muscles, and extra magnesium for improved muscle coordination. Give Pavo Eplus and your horse will be visibly more supple and benefit from increased staying power as a result. Pavo Eplus is suitable for use both prior to and during intensive training or on competition days.

- ✓ Helps neutralise waste products in the muscles
- ✓ For improved muscle coordination in endurance riding
- ✓ Ideal both before and during intensive training or competition days

Product Specifications

Composition		Vitamin levels (per kg)	
Alfalfa, Wheat middlings, Magnesium phosphate, Dextrose, Maize germ oil		Vitamin E	24,000 IE
		Vitamin C	14,000 mg
Minerals and trace elements (per kg)			
Selenium			4 mg

Pavo MuscleBuild

For rapid muscle development

Suitable for: young horses beginning training / sport horses after a recovery period

It takes a significant amount of time and good management to successfully train a horse. Athletic, healthy looking horses are the result of balanced nutrition and appropriate training. Pavo MuscleBuild is a high-quality nutritional supplement that forms an utterly indispensable part of this process. It contains a number of active ingredients, including essential amino acids, vitamin C and lecithin, and actively promotes the rapid development of muscle mass.

- ✓ Supports rapid muscle development
- ✓ Promotes strong muscle tone
- ✓ Contains essential amino acids

Product Specifications

Composition		Vitamin levels (per kg)	
Wheat middlings, Alfalfa, Yeast, Whey powder, Linseed expeller, Lecithine, Dextrose, Maize germ oil		Vitamin C	14,000 mg
Lysine	30 g/kg		
Methionine	10 g/kg		
Lecithine	8 g/kg		
Yeast	140 g/kg		



More product information: page 62-65

Feeding advice MuscleBuild g/day





Pavo NervControl

For inner calm

Suitable for: sensitive or nervous horses

Sensitive horses are quickly spooked and easily stressed - character traits that must be taken into account when owning and riding horses. Pavo NervControl helps to restore and maintain inner calm naturally. Give Pavo NervControl and, within days, your horse will be noticeably more relaxed. Pavo NervControl contains a number of active ingredients, including magnesium and L-tryptophan. As the building blocks of the neurotransmitter, serotonin, they help to improve signal transmission within the nervous system. As a result, tension is quickly released and your horse is infinitely more calm and controllable.

- ✔ Helps to release body tension more quickly
- ✔ Results in improved control in stressful situations
- ✔ Contains magnesium and L-tryptophan for improved signal transmission within the nervous system

Product Specifications

Composition		Vitamin levels (per kg)	
Alfalfa, Magnesium phosphate, Linseed expeller, Wheat middlings, Magnesium salts of organic acids, Lecithine, Maize germ oil		Vitamin B1	400 mg
Lecithine 20 g/kg		Vitamin B2	400 mg
L-tryptophan 40 g/kg		Vitamin B6	200 mg
		Vitamin B12	6.000 mcg
		Minerals and trace elements (per kg)	
		Magnesium	40 g
		Cobalt	1,5 mg



More product information: page 62-65

Feeding advice NervControl g/day



“ Before you can put something into practice, you first have to plough through the theory. I'm particularly good at that. In fact, I'm absolutely fascinated by the effect that food has on a horse's body. I'm most in my element when diving into the details and using my newly acquired knowledge to develop healthy recipes.

Elske Dijkstra
Nutritionist



Pavo E'lyte

An electrolyte mix for sport horses

Suitable for: sport horses prone to excessive sweating, particularly in eventing, endurance, driving, dressage, jumping & racing

Your horse not only loses water when sweating; she/he also loses important body salts, in particular sodium, potassium and chloride. When these electrolytes are lost, your horse will be less able to absorb water, and will suffer from reduced skin elasticity and low stamina as a result. Administering Pavo E'lyte prior to exercise enables your horse to build up a healthy fluid and electrolyte reserve, making an electrolyte deficiency less likely. A healthy electrolyte balance will support muscle function and energy utilisation.

- ✓ For intensive athletic performance
- ✓ During high temperatures
- ✓ During excessive sweating



More product information: page 62-65

Feeding advice E'lyte g/day

MEDIUM WORK **HEAVY WORK**

HORSE 600 KG **PONY** 300 KG

Product Specifications	
Composition	Minerals and trace elements (per kg)
Alfalfa, Sodium chloride, Sodium citrate, Wheat middlings, Magnesiumacetate, Dextrose, Potassium chloride, Maize germ oil	Calcium 70 g Phosphorus 30 g Sodium 150 g Potassium 40 g Magnesium 10 g Chloride 140 g
Vitamin levels (per kg)	
Vitamin C	4.000 mg



How much salt does your horse need?



People eat too much salt. But what about horses? Unlike us, they don't consume enough of it, especially during the summer when they lose a lot of salt via sweating. And it's not only sport horses that can suffer from a salt deficiency. Indeed, a vigorous leisure ride can also be enough to trigger a shortage of salt in your horse.

Like people, horses sweat when they're hot. This is necessary in order to cool down. Sweat forms a layer of moisture that evaporates from the skin, causing the body temperature to drop.

When a horse sweats, it not only loses water. The moisture also contains so-called 'electrolytes' or mineral salts, such as sodium, chloride and potassium, which play an important role in the body's water management. Whilst you can give horses ordinary salt,

it's better to add a specially formulated electrolyte mix to their feed. Pavo E'lyte not only contains sodium chloride; but also the other body salts that are lost via sweating.

Give leisure horses 100 g of Pavo E'lyte daily, and 200 g daily during intensive training or extreme temperatures. For maximum benefit, give directly before exercise. You needn't worry about giving an overdose either. Krabbenborg: "Only use Pavo E'lyte during summer, when it's hot, or before extremely vigorous workouts. Salt is expelled via sweat. Any surplus will be excreted in the urine. So, if you notice that your horse's stable is more damp than usual, simply reduce the dosage." Always provide your horse with an unlimited supply of fresh water - lost fluid must be replenished and salt naturally makes your horse thirsty.

How much salt should you give:

Sweat score	What does your horse look like	Average loss of sweat per horse	Salt loss	Advice E'lyte	It's looks like
1	The coat under the saddle is partially dry and partially humid and sticky. The neck is sticky and the flanks are a bit darker than normal.	1 - 4 ltr.	2 - 7 teaspoons	50 gr E'lyte	
2	Wet under the saddle and on the neck. A bit of foam here and there under the numnah, where the reins meet the neck and between the hind legs.	4 - 7 ltr.	7 - 12 teaspoons	100 gr E'lyte	
3	The horse is visibly wet under the bridle, on the neck and the flanks, with spots of foam here and there.	7 - 9 ltr.	12 - 16 teaspoons	150 gr E'lyte	
4	Neck and flanks are completely wet. Wet spots above the eyes. White foam between the hind legs.	9 - 12 ltr.	16 - 21 teaspoons	200 gr E'lyte	
5	See sweat score 4 and sweat trickles from above the eyes and the belly.	12 - 18 ltr.	21 - 32 teaspoons	250 gr E'lyte	

Source: Zeyner et.al. 2013 Scoring of sweat losses in exercised horses.

Product use table

	Pavo BasicPlus	Pavo Cerevit	Pavo Condition	Pavo Nature's Best	Pavo Liga	Pavo SummerFit	Pavo DailyPlus	Pavo Care4Life	Pavo SpeedBeet	Pavo 18Plus	Pavo SlobberMash	Pavo Podo®Lac	Pavo Podo®Start			Pavo Podo®Grow	Pavo Podo®Care	SOS Kit	Pavo Collostrum	FoalMilk	Pavo AllSports	Pavo SportsFit	Pavo Triple P	Pavo EnergyControl	Pavo TopSport	Pavo Gold E.	Pavo Cereals	
Type of horse																												
Horses at rest	•	•	•	•	•	•	•	•	•	•	•																	
Senior horses (18+)							•		•	•	•																	
Ponies				•	•	•	•	•	•		•																	
Cobs and Native Breeds					•	•	•	•	•		•																	
Nervous and stressed horses		•	•	•		•	•	•	•														•		•	•		
Fussy eaters							•				•												•	•				
Thin horses / poor condition							•		•		•					•										•		
Overweight horses				•	•	•	•	•	•																			
Prone to laminitis				•		•	•	•	•																			
Horses recovering from illness							•	•	•		•																	
Horses that do not tolerate oats	•		•	•		•	•	•	•																			
Horses with dental problems							•		•	•	•																	
Horses with no access to pasture							•		•																	•		
Lethargic Horses								•	•		•												•		•			
Type of work																												
Leisure	•	•	•	•	•	•	•	•	•	•	•																	
Dressage - basic level			•	•			•	•	•		•											•	•					
Dressage - top sport							•		•		•												•	•	•	•	•	•
Endurance							•		•		•											•	•		•	•		
Eventing							•		•		•											•	•		•	•		
Western - reining							•		•		•											•	•	•		•	•	•
Western - pleasure							•		•		•											•	•					
Carriage driving - marathon							•		•		•											•	•		•	•		
Show jumping - basic level							•		•		•											•	•	•			•	•
Show jumping - top sport							•		•		•											•	•	•		•	•	•
Racing & trotting							•		•		•											•	•	•		•	•	•
Pregnant & lactating mares												•																
Foals (<8 months)													•				•	•	•	•								
Foals (8 months - 3 years)																•	•											
Show Preparation											•														•	•	•	
Horses on a cereal grain diet							•		•		•														•	•	•	



What is Pavo quality?

Doping Free

All of the raw ingredients in Pavo products are doping free. This means that they don't contain any of the ingredients on the list of controlled or forbidden substances, or that are known to give a positive blood reading.

The list of unauthorised substances changes frequently and differs per country. Pavo continuously optimises its feed to ensure that it meets all of the current doping requirements.

Want to know which particular products are permissible within a specific country? Contact Pavo at:

feedingadvice@pavo.net or **+31 (0)485 490 702**

Quality

Food should always be of the highest quality. Of course, this goes without saying when it comes to products for human consumption. However, we believe that the same also applies to horse feed. That's why all of our production processes, raw ingredients and products comply with a number of quality and assurance standards:

GMP+

The Good Manufacturing Practice (GMP) is an international scheme for assuring animal feed safety in every link of the production chain.

SecureFeed

SecureFeed is an organisation that governs the safety of supplies on behalf of some 86 animal feed companies. Participants actively collaborate on more than six points to ensure the safety of all of their raw ingredients.



HOW DO YOU KNOW WHAT IS HEALTHY

for your horse?



Pavo cares passionately about horse health and responds to all of your feeding questions with expert advice, healthy products and superior service. For personalised advice contact: feedingadvice@pavo.net

Pavo, the answer to all your feeding questions.

Pavo 

feeding excellence



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