



*Mineral and supplementary feeds  
for horses*

A photograph of several horses grazing in a lush green field. The horses are of various colors, including brown, black, and a light tan. They are positioned in the foreground and middle ground, facing towards the right side of the frame.

*We propose and implement solutions*

*of effective animal nutrition and breeding*





**GMP+**

Assurance



*We guarantee quality*

A close-up photograph of a dark brown or black horse's head and neck. The horse is wearing a light green leather halter. It is positioned in the foreground, looking slightly to the right. The background is a soft-focus view of a green field with several mature trees and a building visible through the foliage.

*Quick menu*

## *Vitamin-mineral feeds*

*Premin® STABLE, Premin® PERFORMANCE, Premin® PRO RACE, Premin® GREEN EZ, Premin® WESTERN*

## *Reproduction*

*Premin® MARE, Premin® GROWER, Premin® FERTILITY, MULTIMILK® EQUI*

## *Motoric system*

*Premin® plus MSM, Premin® plus MOTION, Premin® plus HOOFCARE*

## *Good condition*

*Premin® plus ENERGY MIX, Premin® plus MUSCLE, Premin® plus VITAL, Premin® plus VITAMIN E, Premin® plus KC, Premin® plus VITAMIN C 50, Premin® plus ELEKTROLYTES, Premin® plus RELAX, Premin® plus B-KOMPLEX, Premin® plus OMEGA-3*

## *Digestion*

*Premin® plus IMUNO, Premin® plus DIGESTIVE, Premin® plus FLIX, Premin® plus OSTROPESTREC*

## *Complete feeds*

*Premin® HORSE MÜSLI, Premin® HORSE MÜSLI ENERGY, Premin® HORSE MÜSLI JUNIOR, Premin® HORSE MÜSLI SENIOR*

## Vitamin-mineral feeds

*More detailed information on the composition of the feed  
can be found on [www.premin.cz](http://www.premin.cz)*



Premin<sup>®</sup>

# STABLE

*for horses without training or with low training load*

*Mineral feed is for horses with no training or with low stress. Vitamins and trace elements are in an optimal ratio to maintain the desired condition of the horse.*

***It contains also:***

*lysine, vitamins, trace elements*

***Daily from 80 - 100 g / horse, or daily 15 - 20 g / 100 kg live weight***

***2 kg and 5 kg pack***



# PERFORMANCE

*for horses with low and middle training load*

*Mineral feed is for horses with lower and middle training load. Vitamin and mineral composition covers biological need of horses and is enriched with essential amino acids and organically bound microelements necessary for proper body functioning in the required load. Mineral feed contains L-carnitine, which is an important part of both heart and skeletal muscles, helps lipid digestion and becomes non-negligible energy carrier. Dietary yeast improves fiber digestion allowing minerals from feed to be better utilized.*

***It contains also:***

*essential amino acids, organic trace elements, yeast, L-carnitine*

***Daily from 80 - 100 g / horse, or daily 15 - 20 g / 100 kg live weight***

***2 kg and 8 kg pack***



Premin<sup>®</sup>

# PRO RACE

*mineral feed for racing horses containing collagen to prevent stomach ulcers and motion problems*

*Mineral feed Premin<sup>®</sup> PRO RACE with collagen content is intended for racing and sport horses, whose organism and motion apparatus are under constant pressure. The hydrolysed collagen keeps healthy joints and tendons as well as it helps healing of stomach tissue affected by ulcers. This mineral feed contains all range of vitamin B, essential aminoacids lysin and methionine and all needed macro and microelements.*

***It contains also:***

*hydrolysed collagen - 30%, important macro and microelements, vitamins (incl. B range), aminoacids lysin and methionine*

***Daily 100g/mature horse***

***2 kg and 5 kg pack***



Premin<sup>®</sup>

# GREEN EZ

*for all categories of horses under organic regime*

*Mineral-vitamin feed is for all categories of horses. Vitamin and mineral composition covers biological need horses and is enriched with trace elements necessary for proper body function in the required load. Dietary yeast improves fiber digestion allowing minerals from feed to be better utilized. This mineral feed is suitable for organic farming.*

**Daily from 80 - 100 g / adult horse, or daily 10 - 15 g / 100 kg live weight pony and foals from 40 - 50 g / horse / day**

**2 kg and 5 kg pack**



Premin<sup>®</sup>

# WESTERN

*for all categories of western horses*

*Mineral feed is intended for western horse, in normal and high training load. Vitamin and mineral composition covers biological need horses and is enriched with essential amino acids and organically bound elements necessary for proper body functioning in the required load. Mineral feed contains L-carnitine, which is an important part of both heart and skeletal muscles, helps lipid digestion and becomes non-negligible energy carrier. Dietary yeast improves fiber digestion, allowing minerals from the feed to be better utilized.*

***It contains also:***

*essential amino acids, organic trace elements, yeast, L-carnitine*

***Daily from 80 - 100 g / horse, or daily 15 - 20 g / 100 kg live weight***

***2 kg and 8 kg pack***



# *Reproduction*

*More detailed information on the composition of the feed  
can be found on [www.premin.cz](http://www.premin.cz)*



Premin<sup>®</sup>

# MARE

*for lactating and pregnant mares*

*Mineral feed is designed for pregnant and lactating mares. Important trace elements are supplied in organic form for better absorption into organism. Milk thistle expeller has hepatoprotective effect – it protects liver and supports its proper function. Yeast improve nutrient digestibility of feed and thus favorably affects the formation and quality of mares' milk and also optimal development of foal.*

**It contains also:**

*essential amino acids, organic trace elements, yeast, organic selenium*

***Mares before birth daily 5 g / 100 kg live weight,  
lactating mares daily 10 g / 100 kg live weight***

***2 kg and 8 kg pack***



Premin<sup>®</sup>

# GROWER

*for growing foals*

*Mineral feed is for growing foals. It contains essential amino acids, vitamins and trace elements needed for optimal development of the foals' young organism. Yeast improve fiber digestion and better utilization of nutrients from feed, eg. proteins, which are important elements of growth.*

***It contains also:***

*It contains also: essential amino acids, organic selenium, yeast, vitamin C*

***Daily 60 - 80 g / foal, or daily 10 - 20 g / 100 kg live weight***

***2 kg and 8 kg pack***



# FERTILITY

*for improving fertility*

*Supplementary feed is for a breeding mares and stallions to improve reproductive performance. Combination of vitamin E and selenium in the organic form has a positive effect on the reproductive organs of mares and stallions. It contributes to the formation of eggs and sperm and improves reproductive abilities and libido in stallions. Selenium also favorably affects milk production and udder health. Beta-carotene positively affects the ovaries and the reproductive process. Extruded linseed positively affects pregnancy rate and reduces the percentage of embryonic mortality. Conjugated linoleic acid, belonging to the omega-6 fatty acids, has many vital functions in the body. It also accelerates regeneration and improves long-term health and fertility of horses. Flavonoids contained in milk thistle expeller have hepatoprotective effects and improve the overall health of the horse. For stallions fed with larger doses of concentrate, flavonoids reduce negative influence of metabolites produced in the animal body.*

**Dosage / horse and day:**

**Mares 2 months before birth: 100 g**

**In the 1st half lactation: 200 g**

**In the 2nd half lactation: 100 g**

**Stallions at breeding period: 100 g**

**Barren mares 2 weeks before breeding: 200 g**

**1 kg and 5 kg pack**



Premin<sup>®</sup>

# MULTIMILK<sup>®</sup> EQUI

*complete milk replacer feed for foals*

*Multimilk<sup>®</sup> Equi is served to the foals, who do not have enough native milk from mares or to orphaned foals as the only source of milk. Multimilk<sup>®</sup> Equi is fed to the foals from the age of 4 days. Milk replacer is mixed with water in a ratio of 1:8, ie. 1 kg Multimilk<sup>®</sup> Equi in 8 liters of water. Pour into 2/3 of water at 45-55°C and when stirring, add Multimilk Equi in an amount corresponding to the desired ratio. Add the remaining cold water to reach final temperature of the mixture about 39°C. Daily dose of the mixture should be divided into at least 2 - 3 doses with a total consumption of 8-15 liters per head per day.*

***It contains also:***

*whey powder, skimmed milk powder, coconut oil, vitamins and trace elements*

***10 kg pack***





## *Motoric system*

*More detailed information on the composition of the feed can be found on [www.premin.cz](http://www.premin.cz)*



*Premin*  
**plus**



# MSM

*for healthy joints, tendons and good physical condition of the horse*

*MSM as a natural form of organic sulfur in the body contributes to the creation of essential amino acids methionine and cysteine. It is important for the formation of collagen fibers, helps eliminate inflammation of joints and tendons, relieves allergic reactions and protects the body from the negative effects of free radicals. Thus MSM increases the vitality of the body. Positively it is reflected in the treatment of inflammation of the dermis and hoof. Generally, it improves the quality of hair. Relieves joint and muscle pain. Premin® MSM is designed for all categories of horses especially for horse racing in sports or exercise.*

***It contains:***

Methylsulfonylmethane

***20 g / horse / day for 10 days,***

***furthermore it is possible to feed 10 - 15 g / horse / day for next 20 days***

***1 kg pack***



**Premin<sup>®</sup>**  
**plus**



*for the proper development and function of joints*

*Mineral feed with the flavour is designed for proper development and function of the joints of the horse. Contains chondroitin, and glucosamine, a naturally occurring substances in cartilage ensuring its flexibility. MSM prevents and suppresses the symptoms of damage to the articular cartilage. It provides the flexibility of cartilage and mitigates its damage.*

**It contains:**

*Methylsulfonylmethane - MSM, glucosamine sulphate, chondroitin sulphate*

**Daily 20 g / day / horse**

**1 kg pack**



**Premin<sup>®</sup>**  
**plus**



# HOOFCARE

*for improving the hardness and strength of the hoof*

*Supplementary feed is designed to improve the strength and hardness of the hoof. Contains biotin and organically bound zinc, that both positively affect the quality of the hoof wall and prevent brittleness and cracking hooves.*

***It contains:***

*biotin, organically bound zinc*

**Daily 50 g / horse**

**1 kg and 5 kg pack**



A black horse is captured in mid-gallop across a lush green field. The horse's mane and tail are dark and flowing. In the top right corner, there is a solid red rectangular area containing the text.

*Good condition*

*More detailed information on the composition of the feed can be found on [www.premin.cz](http://www.premin.cz)*

*Premin*  
plus

# ENERGY MIX

*functional source of energy during intensive exercise and racing*

*Energy feed supplement Premin® plus ENERGY MIX is designed for horses under very high stress (racing, eventing, endurance, intensive training). Contains 70% of fat as a source of highly digestible energy for horse performance. Flavonoids from milk thistle meal have hepatoprotective effects and vitamin E serves as a natural antioxidant.*

***It contains also:***

*vegetable oil, milk thistle meal and vitamin E*

***Dose in a period of intensive stress! Mixed in the feed – 300 g / day / horse.***

***The best to divide into three doses per 100 g.***

***1 kg and 5 kg pack***





# MUSCLE

*complex of essential amino acids to support muscle development in young horses and horses in physical activity*

*Supplementary feed Premin® plus MUSCLE contains two most important essential amino acids in the right proportions - lysine and methionine. Essential amino acids cannot be synthesized in the body, but they form the basis of all proteins in the horse's body. Without them it is not possible to create proteins. Supplementary feed is suitable for horses in hard exercise, training and racing. Also, for the horses having problems with natural growth of muscles, young foals and young horses with problems of tendon apparatus. It is ideal for those horses, who miss quality protein in the diet, resulting in problems with their muscle development.*

***It contains also:***

*lysine: 20%, methionine: 6%*

***Daily 50 g / horse / day and 25 g / foal or pony / day***

***1 kg and 5 kg pack***



*Premin*  
**plus**



# VITALITY

*synergistic combination of vitamins and minerals for fast and efficient recovery after physical exercise*

*Supplementary feed Premin® plus VITALITY is especially suitable for sport, racing and breeding horses. It contains important antioxidants - vitamins C and E and the trace element selenium. These compounds are necessary for the optimal function of all organs of the muscle, reproductive and immune systems. Selenium supports a protective role of vitamin E and both are important for the proper function of the reproductive organs and, consequently, for optimal prenatal and postnatal development of the foal. In horses with increased physical aktivity, Premin® VITALITY supports proper function of muscle tissue. The feed is also suitable for horses with fatigue symptoms and for improvement of immunity.*

***It contains also:***

selenium, vitamins E and C

**Daily 50 g / horse**

**1 kg and 5 kg pack**



**Premin<sup>®</sup>**  
**plus**

# VITAMÍN E

*antioxidant and cell protection for horses exposed to physical and psychological stress*

*Supplementary feed Premin<sup>®</sup> Vitamin E is a natural antioxidant, which serves as the optimal cell protection against the harmful free radicals. Free radicals destroy cell walls and negatively affect immune system of the horse. Too low supply of antioxidants leads to general weakness, problems with muscle and susceptibility to infections and allergies. Along with selenium, vitamin E ensures proper function of the reproductive organs. Supplementary feed Premin<sup>®</sup> VITAMIN E is ideal for horses with increased physical and mental stress, immune disorders and for horses under poor environmental conditions.*

**It contains:**

vitamin E

**Daily 50 g / horse**

**1 kg and 5 kg pack**



**Premin<sup>®</sup>**  
**plus**

**KC**

*for racing horses to prevent bleeding*

*Supplementary feed is intended for racing horses, to prevent bleeding. It contains vitamin C, which strengthens the resistance of blood vessels, thereby preventing their rupture and bleeding. Vitamin K3 reduces bleeding by promoting the formation of coagulation factors.*

***It contains:***

*vitamins C and K3*

**Daily 60 g / horse**

**1 kg and 5 kg pack**



*Premin*  
plus

# VITAMÍN C 50

*supplement of vitamin C for stressful periods*

*Feed supplement is designed for all categories of horses. It serves as a supplement of vitamin C during stressful periods - supports the immune system during recovery, to promote wound healing, bleeding and anemia at delivery. Vitamin C also acts as an antioxidant.*

***It contains:***

*vitamin C 50%*

***Dose directly to drink in the amount of 3 g / head / day, or approximately one tea spoon / head / day, foals should be dosed by half.***

***1 kg and 5 kg pack***



*Premin*  
**plus**

# ELEKROLYT

*to compensate for the loss of important electrolytes through sweating during exercise*

*Premin® plus ELEKROLYT mineral feed is to compensate for the loss of important electrolytes through sweating in during exercise. Vitamin C and E are used as antioxidants, glucose and whey are a source of quick energy for a good performance.*

**It contains also:**

potassium, sodium, glucose, whey, vitamins E and C

**Daily 50 g / piece during high load (racing, steeplechase training),  
at reduced load 50 g / piece every other day.**

**1 kg and 5 kg pack**



**Premin<sup>®</sup>**  
**plus**

# RELAX

*calms down nervous horses*

*Mineral feed the flavoring is designed to calm down nervous horses. Contains organically bound magnesium with better bioavailability, vitamin E and tryptophan, essential aminoacid, which promotes the formation of serotonin. Lack of serotonin in the central nervous system causes mood changes, irritation and aggressivity.*

***It contains:***

*organically bound magnesium, tryptophan, vitamin E, vitamin B1*

***50 g / day for horses three to four days before a competition or stress situations.***

***1kg pack***



# B-KOMPLEX

*feed supplement with yeast and B vitamins to support metabolic functions*

*The group of vitamins B have different functions in the body of the horse. Generally, they function as catalysts of protein, fat and sugar metabolism. Also, they play a role in tissue formation from the nutrients. Vitamins B are needed for overall health of horse incl. reproduction, physical performance and growth. The vitamins B requirement depends on their content in the feed, their microbial synthesis in the intestine and their absorption through the intestine wall. Generally, their need grows with physical exercise (racing horses, pregnant and milking mares), parasites in the intestine, mycotoxins in the feed and antibiotics intake. Addition of vitamins B is required when there is a diarrhea, because diarrhea suppresses vitamins B biosynthesis. Older horses need also vitamins B as their slower intestinal tract functions.*

**Daily 50 g / horse - horses in training**

**Daily 60 g / horse - racing horses, pregnant and milking mares**

**Daily 25 g / horse - ponies and young horses**

**1 kg or 5 kg pack**



# OMEGA-3

*omega-3 PUFAs for a good function of heart, circulatory system and reproduction*

*Supplementary feed Premin® plus OMEGA-3 is designed for all categories of racing, jumping and breeding horses. It is a source of fish oil based omega-3 polyunsaturated fatty acids, mainly EPA and DHA. These acids have a positive effect on cardio-vascular system, lowers blood viscosity, lowers puls frequency, increase flexibility of blood cell membranes and improves Oxygen delivery in muscles. Omega-3 PUFAs have a positive effect on recovery of vascular endotel. By breeding horses, these acids improve reproduction parameters of mares and stallions – mares have higher fertility and stallions have better quality sperm.*

**Daily 60 g / horse - horses in sport training**

**Daily 100 g / horse - racing horses in high training**

**Daily 120 g / horse – pregnant and milking mares 7 - 10 days before delivery  
and 4 - 5 weeks after delivery**

**Daily 120 g / horse - stallions**

**1 kg or 5 kg pack**





A photograph of two horses in a pastoral setting. In the foreground, a light-colored horse with a white blaze on its forehead and a dark brown horse are facing each other. In the background, several smaller horses are grazing in a green field under a bright blue sky with scattered white clouds.

*More detailed information on the composition of the feed  
can be found on [www.premin.cz](http://www.premin.cz)*

*Digestion*

# IMUNO

*to improve overall health of the horses*

*Mineral feed for horses to improve overall health using main antioxidants - vitamins E and C. It contains garlic and cinnamon extracts for improvement of blood screen and repellent effect. Cabanin - grape extract supports the development of positive microflora in the gut. Selenium, required for proper function of the reproductive organs, is in an organic form for better availability.*

***It contains:***

*organic selenium, garlic and cinnamon extracts, flavonoids, vitamins E and C*

***50 g / day for adult horses, 50 g / every second day for foals.***

***1 kg pack***



# DIGESTIVE

*to improve digestion and to prevent disorders of the horse gastrointestinal tract*

*Supplementary feed is intended to improve digestion and to prevent disorders of the gastrointestinal tract.*

*Plant extracts of the family Papaveraceae helps digestion of nutrients and have a beneficial effects on the intestinal mucosa. Yeast improves fiber digestion and therefore the utilising other nutrients from the feed materials is more efficient. Vitamin B1 is essential for the proper function of the GIT..*

***It contains:***

*extruded linseed, herbal extracts, yeast, vitamin B1, sodium bicarbonate*

***Adult horses 50 g / day, foals 25 g / day***

***1 kg pack***



# FLIX

*functional source of energy and prevention of the liver disease*

*Premin® FLIX with increased content of omega-3 and 6 polyunsaturated fatty acids and silymarin is designed for all categories of horses. It contains mycotoxin binder and therefore it is particularly suitable for horses fed with low-quality feed. It concerns also haylage with an increased risk of mold and subsequent equine colic. Silymarin from milk thistle is applied for prevention and/or treatment of functional liver disorders. Propylenglycol serves as a fast energy source. Both Omega-3 and 6 polyunsaturated fatty acids have a positive effect on the energy utilisation and reproduction function.*

***It includes also:***

*linseed, milk thistle meal, mycotoxin adsorbent*

***Adult horses 150 g / day***

***1 kg and 6 kg packs***



*Premin*  
plus

# OSTROPESTREC

(Milk thistle)

*to improve the overall health of horses*

*Premin® plus OSTROPESTREC contains flavonoid substances of milk thistle (*Silybum marianum*) meal, which has proven significant hepatoprotective effect. The protection of liver cells from negative effects of the environment ensures a good health even with poor feeding and high exercise. Another essential part of the meal are unsaturated fatty acids, especially linoleic acid - an essential part of mammals metabolism.*

***It contains:***  
*silymarin*

***Adult horses 100 g / day, young horses and ponies 50 g / day***

***1 kg and 5 kg pack***







*More detailed information on the composition of the feed can be found on [www.premin.cz](http://www.premin.cz)*

*Complete feeds*

# HORSE MÜSLI

*oat-free musli feed for horses with various work or training levels*

*Premin® HORSE MUSLI is designed for horses with any workload. The feed does not contain oat, therefore it is suitable for nervous horses fed by oat-free diet. Along with hay and clean water the musli forms optimally balanced daily ration. Flaked cereals are digested better and utilized for the required performance. Apple meal is a source of fiber, extruded linseed has a positive effect on the digestive tract and hair quality. Trace elements are partially in an organic form to be better utilized in the body. This musli feed can be supplemented by oat according to the actual needs of the horse.*

**It contains also:**

*flaked grain, organic trace elements, extruded linseed, apple meal*

**Daily 2 - 5 kg / horse, 1 - 3 kg / pony**

**20 kg pack**



Premin<sup>®</sup>

# HORSE MÜSLI *energy*

*oat-free musli feed for horses with high work or training levels*

*It is optimal and balanced daily feed dose when mixed with hay and clear water. Flaked cereals are better digested and utilised for needed performance. Apple meal is a source of fiber, extruded linseed has a positive effect on the digestive tract and hair quality. Trace elements are partially in an organic form to be better utilized in the body. The feed contains omega-3 PUFAs of high quality fish oil to maintain vascular system healthy. Premin<sup>®</sup> MUSLI Energy can be supplemented by oat according to the actual needs of the horse.*

***It contains also:***

*flaked grain, organic trace elements, extruded linseed,  
apple meal, omega-3 PUFAs*

**Daily 2 - 6 kg / horse, 1 - 3 kg / pony**

**20 kg pack**



Premin<sup>®</sup>

# HORSE MÜSLI junior

*oat-free musli feed for foals*

Premin<sup>®</sup> HORSE MÜSLI junior is designed for foals from 2 weeks of age. The feed contains higher levels of protein for optimal muscle development and growth. Flaked cereals are digested better and utilized for the rapid growth and development of the foal. Apple meal is a source of fiber, extruded linseed has a positive effect on the digestive tract and hair quality. Trace elements are partially in an organic form to be better utilized in the body. Along with hay and clean water the musli forms optimally balanced daily ration of foals, weaning foals and yearlings.

**It contains also:**

flaked grain, organic trace elements, extruded linseed, apple meal

**Daily 0.2 - 2 kg / foal, 1.5 - 3 kg / weaning foals, 2.5 - 4 kg / yearlings**

**20 kg pack**



Premin<sup>®</sup>

# HORSE MÜSLI senior

*musli feed for older horses*

*Supplementary feed is designed for older-senior horses and the horses with dietetic problems. It contains well digestible fibre of apple meal and sugar beet cuts, malt and soy proteins and B vitamins. Older horses often miss enough B vitamins. Trace elements are partially in an organic form to be better utilized in the body. Brewery yeast and extruded linseed support digestion of feed nutrients and intestinal tract. Flaked cereals are better digested and utilised. Premin<sup>®</sup> MUSLI Senior can be supplemented by oat according to the actual needs of the horse.*

***It contains also:***

*alfa-alfa hay, flaked grains, extruded linseed, apple meal, brewery yeast, organic trace elements*

***Daily 2 - 5 kg / horse, 1 - 2.5 kg / pony***

***20 kg pack***







# *art of nutrition*

*VVS pays a great attention to the purchasing of quality feed raw materials. The importance of quality is emphasized in the goal to provide each VVS customer with the products, that are stable both physically and chemically and consistent in their composition. These attributes are influenced by raw materials selection and VVS production technology.*

*All VVS suppliers are examined by compliance with GMP+ certification either as producer or supplier. All suppliers are requested to supply non-dusty raw materials and deliver accurate specifications and samples for analysis in our laboratories. As soon as everything is checked up and the supplier becomes VVS approved supplier, business delivery conditions are discussed.*

*Since a great emphasis is put on VVS product quality consistency, the suppliers portfolio changes very little. VVS has a long-term business relationship with all key suppliers and tries hard to be their good and reliable partner.*



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