



EQUI 2000

Feed Supplements and Dietetic
Complementary Feeds as well as Care
Products for Horses in Veterinary Quality

 Made in Germany by
VETRI PHARM

FEEDING QUALITY!


Today's feeding no longer adequately meets the various requirements of our horses. In order to establish a healthy nutritional basis, particularly when pursuing maximum performance in breeding and sports, a selective supply of biologically valuable and highly effective nutrients and active substances is required. We therefore developed the interacting EQUI 2000 feed supplements.

This premium line from the house of VETRIPHARM enables an individual and well-directed supply for recreational, sports, breeding, and high-performance horses in all age and performance groups. The horse therefore will have full scope for its natural development and performance potential.

All ingredients are subject to the strictest quality controls as only from raw materials of the best quality may the end-pro-

duct be made. Careful manufacturing methods guarantee the full effectiveness of vitamins, minerals, herbs, and other active substances. This results in an endproduct of the highest biological value, which is immediately available and highly efficient. Our EQUI 2000 products are always adapted to the latest findings of the veterinary science of nutrition. I personally guarantee high standards, and I may be contacted at any time with any question whatsoever that you may have about equine feeding.

Yours,



Dr. med. vet. Stefan Hofmeister,
Specialist Veterinarian for Horses



 Made in Germany by
VETRIPHARM

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EQUI²⁰⁰⁰ BASIC

With all essential vital substances, vitamins, minerals, and trace elements in highly effective form.



EQUI 2000 BASIC forms the natural basis for necessary feed with all essential vital substances in a biologically valuable and quickly effective state. Its high grade and complete compound perfectly balances the ever decreasing content of micro-nutrients in hay and concentrated feed. The supplementation of daily feeding by EQUI 2000 BASIC gives foals, breeding and sport horses a prerequisite for sound physical development, first-class breeding success, appealing appearance, and sustained ability in performance.

Packaging (powder): 1 kg can, 5 kg bucket

Packaging (pellets): 5 kg bucket

COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 18.3 %, crude fat 3.9 %, crude fibre 5.4 %, crude ash 20.4 %, calcium 4.1 %, potassium 1.5 %, magnesium 1.4 %, phosphorus 0.6 %, sodium 0.4 %, omega-3 fatty acids 1.1 %.

Feed additives per kg*: Nutritional additives: Vitamin A 300,000 I.U., vitamin D₃ 30,000 I.U., vitamin E 2,500 mg, vitamin K₃ 20 mg, vitamin B₁ 300 mg, vitamin B₂ 150 mg, vitamin B₆ 150 mg, vitamin B₁₂ 2,500 mcg, vitamin C 2,500 mg, biotin 10,000 mcg, beta-carotene 500 mg, folic acid 250 mg, nicotinic acid 400 mg, pantothenic acid 225 mg, choline chloride 500 mg, inositol 500 mg, iron 1,500 mg, iodine 15 mg, cobalt 10 mg, copper 500 mg, manganese 2,000 mg, zinc 5,000 mg, molybdenum 15 mg, selenium 5 mg. **Digestibility enhancers:** Saccharomyces cerevisiae 25 x 10¹⁰ CFU.

* E672 vitamin A, E671 vitamin D₃, vitamin B₁ as thiamine hydrochloride, vitamin B₂ as riboflavin, vitamin B₆ as pyridoxine hydrochloride, vitamin C as L-ascorbic acid, biotin as D-(+)-biotin, pantothenic acid as calcium-D-pantothenate, E1 ferrous chelate of amino acids hydrate, E2 potassium iodide, E3 cobaltous sulphate heptahydrate, E4 cupric chelate of amino acids hydrate, E5 manganese chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate, E7 sodium molybdate, 3b8.11 organic form of selenium produced by saccharomyces cerevisiae NCYC R397 (selenised yeast inactivated), 4b1702 saccharomyces cerevisiae (NCYC Sc 47).

Composition: Brewer's yeast, whey powder, herbal mixture (stinging nettle, fennel, aniseed, caraway, birch, Icelandic lichen), wheat bran, dextrose, calcium carbonate, carrots, linseed, soybean protein concentrate, calcium chelate, magnesium oxide, magnesium fumarate, potassium chloride.

Instructions for proper use per day:

Foals	30 - 50 g
Young horses and ponies	50 - 75 g
Breeding and sport horses	100 - 150 g

Due to the increased content of vitamin D₃ and trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰ MINERAL-MIX

Supply with dietary minerals and vitamins.

EQUI 2000 MINERAL-MIX offers a highly concentrated supply to the horse with vital substances such as vitamins, minerals and trace elements. Not only does it prevent deficiency symptoms, which occur increasingly often, but it also promotes vitality, capacity and the physical efficiency of the horse.

Packaging (powder): 3 kg bucket



MINERAL FEED FOR HORSES

Analytical constituents: Calcium 21.0 %, phosphorus 7.0 %, sodium 4.5 %, magnesium 1.3 %.

Feed additives per kg*: Nutritional additives: Vitamin A 1,200,000 I.U., vitamin D₃ 120,000 I.U., vitamin E 5,000 mg, iron 1,150 mg, copper 500 mg, manganese 1,150 mg, zinc 5,000 mg, selenium 17 mg, DL-methionine 3,000 mg.

* E672 vitamin A, E671 vitamin D₃, E1 ferrous sulphate monohydrate, E4 cupric sulphate pentahydrate, E5 manganous sulphate monohydrate, E6 zinc oxide, E8 sodium selenite.

Composition: Dicalcium phosphate, calcium carbonate, sodium chloride, dextrose, magnesium oxide.

Instructions for proper use per day:

Foals, young horses and ponies 15 g, horses (500 kg) 30 g

Due to the increased content of vitamin D₃ and trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰ FOAL

The combination of active substances for vital and harmonious growth in foal rearing.



EQUI 2000 FOAL optimally supports the healthy development of foals and young horses and balances a feeding deficiency which could lead to disturbances in skeletal development and to problems in growth (arthropathies with development of OCD, damage to sinews, or muscle problems), as well as performance weakness and increased proneness to infection.

Packaging (powder): 1 kg can, 3 kg bucket

MINERAL FEED FOR HORSES

Analytical constituents: Crude protein 17.3 %, crude fat 3.2 %, crude fibre 1.1 %, crude ash 44.3 %, calcium 9.3 %, chloride 4.5 %, magnesium 2.2 %, sodium 2.2 %, potassium 1.8 %, phosphorus 1.6 %, sulphur 0.4 %, omega-3 fatty acids 0.6 %.

Feed additives per kg*: *Nutritional additives:* Vitamin A 500,000 I.U., vitamin D₃ 30,000 I.U., vitamin E 6,700 mg, vitamin K₃ 50 mg, vitamin B₁ 500 mg, vitamin B₂ 300 mg, vitamin B₆ 300 mg, vitamin B₁₂ 10,000 mcg, vitamin C 8,000 mg, biotin 30,000 mcg, beta-carotene 1,000 mg, folic acid 700 mg, nicotinic acid 1,000 mg, pantothenic acid 800 mg, choline chloride 1,500 mg, inositol 1,500 mg, iron 4,000 mg, iodine 15 mg, cobalt 10 mg, copper 700 mg, manganese 3,000 mg, zinc 6,000 mg, molybdenum 25 mg, selenium 10 mg, L-lysine 40,000 mg, DL-methionine 10,000 mg, L-tryptophan 2,500 mg. *Technological additives:* Lecithins 1,500 mg, kieselgur 10,000 mg. *Digestibility enhancers:* Saccharomyces cerevisiae 10 x 10¹⁰ CFU.

* E672 vitamin A, E671 vitamin D₃, vitamin B₁ as thiamine hydrochloride, vitamin B₂ as riboflavin, vitamin B₆ as pyridoxine hydrochloride, vitamin C as L-ascorbic acid, biotin as D-(+)-biotin, pantothenic acid as calcium-D-pantothenate, E1 ferrous chelate of amino acids hydrate, E2 potassium iodide, E3 cobaltous sulphate heptahydrate, E4 cupric chelate of amino acids hydrate, E5 manganese chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate, E7 sodium molybdate, 3b8.11 organic form of selenium produced by saccharomyces cerevisiae NCYC R397 (selenised yeast inactivated), 4b1702 saccharomyces cerevisiae (NCYC Sc 47).

Composition: Rolled oats flour, calcium carbonate, whey powder, dicalcium phosphate, calcium chelate, sodium chloride, soybean protein concentrate, magnesium oxide, potassium chloride.

Instructions for proper use per day:

Foals 3. to 6. month:	30 g
Foals 7. to 12. month:	45 g
Young horses:	60 g

The doses refer to medium-sized breeds (full-grown horse 500 kg). Due to the increased content of vitamin D₃ and trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰ BETA-CAROTIN

EQUI 2000 BETA-CAROTIN offers a complete supply to brood-mares and stallions of the fertility and embryo-protective vitamins A & E as well as beta-carotene. A deficient supply of these vitamins could cause low heat, delayed ovulation, a low conception rate, loss of embryo, bad servicing behaviour as well as inadequate sperm quality.

Packaging (powder): 3 kg bucket

With highly concentrated beta-carotene, vitamin A and vitamin E.



COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 4.6 %, crude fat 2.0 %, crude fibre 1.5 %, crude ash 3.9 %, sodium 0.3 %.

Feed additives per kg*: *Nutritional additives:* Vitamin A 200,000 I.U., vitamin E 5,000 mg, beta-carotene 10,000 mg, copper 500 mg, zinc 5,000 mg.

* E672 vitamin A, E4 cupric chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate.

Composition: Dextrose, corn starch, sunflower oil.

Instructions for proper use per day:

Brood mares and stallions: 50 g

Due to the increased content of trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰ E-SELEN

Highly concentrated vitamin E, lysine and selenium optimize the muscle metabolism.



EQUI 2000 E-SELEN meets the increased demand of vitamin E, selenium and lysine for sport- and high-performance horses. This effectively safeguards the sensitive muscle fibres against destruction by harmful substances; the muscle metabolism thus optimizes its physical capacity as willingness to perform, whilst the horse's condition and rideability markedly improves.

Packaging (powder): 1 kg can, 3 kg bucket

COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 8.0 %, crude fat 10.7 %, crude fibre 1.8 %, crude ash 13.4 %, calcium 2.2 %, phosphorus 0.8 %, sodium 0.2 %.

Feed additives per kg*: *Nutritional additives:* Vitamin E 100,000 mg, selenium 25 mg, L-lysine 60,000 mg.

* 3b8.11 organic form of selenium produced by *saccharomyces cerevisiae* NCYC R397 (selenised yeast inactivated).

Composition: Dextrose, rolled oats flour, dicalcium phosphate.

Instructions for proper use per day:

Young horses and ponies: 15 g, horses (500 kg): 30 g

During stringent, physical exercise, a double ration may be given. Due to the increased content of selenium daily ration should not be more than quadrupled.

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under SERVICE on page 30 onwards.



EQUI²⁰⁰⁰ TRIAMIN

With the essential amino acids lysine and methionine as well as calcium for a good muscling.

EQUI 2000 TRIAMIN effectively balances feeding deficiencies with the essential amino acids lysine and methionine as well as the dietary mineral calcium. This promotes in sport horses and foals the formation of musculature, bones and connective tissue. The milk-yield in mares increases whilst in older or sick horses muscle atrophy can be prevented or considerably delayed.

Packaging (powder): 1 kg can, 3 kg bucket

COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 55.2 %, crude fat 0.8 %, crude fibre 0.8 %, crude ash 27.9 %, calcium 6.5 %, magnesium 0.5 %, sodium 0.4 %.

Feed additives per kg: *Nutritional additives:* L-lysine 350,000 mg, DL-methionine 200,000 mg.

Technological additives: Kieselgur 100,000 mg.

Composition: Calcium carbonate, rolled oats flour, soybean protein concentrate.

Instructions for proper use per day:

Foals, young horses and ponies: 25 g

Sport and breeding horses (500 kg): 50 g



EQUI²⁰⁰⁰ GLYKOMIN

The unique combination with mussel concentrate, chondroitin, kieselgur, devil's claw.



EQUI 2000 GLYKOMIN contains glycosaminoglycans and omega-3 fatty acids from the concentrate of the green-lipped New Zealand mussel, as well as vitamins, trace elements, kieselgur, and herbs. They ensure persistent strengthening of the sinews and joint structures as well as an increase in the smoothness and resistance of the connective tissues.

Packaging (pellets): 1 kg can, 3 kg bucket



COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 23.1 %, crude fat 7.4 %, crude fibre, 6.1 %, crude ash 20.9 %, sulphur 2.7 %, sodium 0.5 %, omega-3 fatty acids 2.8 %.

Feed additives per kg*: *Nutritional additives:* Vitamin E 16,000 mg, vitamin C 16,000 mg, iron 8,300 mg, iodine 7 mg, cobalt 4 mg, copper 1,300 mg, manganese 6,700 mg, zinc 8,300 mg, molybdenum 17 mg, selenium 17 mg, DL-methionine 10,000 mg. *Technological additives:* Kieselgur 30,000 mg.

* Vitamin C as L-ascorbic acid, E1 ferrous chelate of amino acids hydrate, E2 potassium iodide, E3 cobaltous sulphate heptahydrate, E4 cupric chelate of amino acids hydrate, E5 manganese chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate, E7 sodium molybdate, 3b8.11 organic form of selenium produced by *saccharomyces cerevisiae* NCYC R397 (selenised yeast inactivated).

Composition: Mussel concentrate 20.0 %, herbal mixture (willow bark, birch, arnica, stinging nettle, chamomile), devil's claw 15.0 %, chondroitin sulphate 10.0 %, methyl sulphonyl methane (MSM) 6.0 %, ginger, linseed, linseed oil.

Instructions for proper use per day:

Foals, young horses and ponies: 10 g, horses (500 kg): 30 g

As a prophylactic measure daily ration can be halved. Due to the increased content of trace elements daily ration should not be more than doubled. Due to the quality-determining mussel flavour start feeding in minor portions.

Contains mussel concentrate - shall not be fed to ruminants.

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under **SERVICE** on page 30 onwards.



EQUI²⁰⁰⁰ COOLING-GEL

Cools and relaxes the locomotor system.

EQUI 2000 COOLING-GEL is a refreshing, active gel highly acceptable to the skin with a special effect in depth. While experiencing its cooling effect, the horse relaxes and reactivates muscles, sinews, tendons, and joints after strain and tiredness.

Packaging (gel): 500 g can, 1 kg can, 3 kg bucket



EQUI²⁰⁰⁰ CALCIUM

Remedies calcium deficiencies and optimizes bone structure.



EQUI 2000 CALCIUM effectively remedies calcium deficiencies. The harmonious interplay of calcium, phosphorus and vitamin D₃ supports the growing-phase of foals and young horses by providing minerals for the formation of bones. With pregnant and lactating mares, EQUI 2000 CALCIUM amply nourishes the increase of calcium and vitamin D₃ and is also effective in protecting older horses from a shortage of minerals.

Packaging (powder): 1 kg can, 3 kg bucket



COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 13.2 %, crude fat 3.5 %, crude fibre 0.3 %, crude ash 39.2 %, calcium 12.0 %, phosphorus 4.5 %, sodium 0.2 %.

Feed additives per kg*:

Nutritional additives: Vitamin D₃ 50,000 I.U.

* E671 Vitamin D₃.

Composition: Calcium chelate 50.0 %, dicalcium phosphate, dextrose, calcium carbonate.

Instructions for proper use per day:

Young horses and ponies:	25 g
Stallions and sport horses:	50 g
Mares:	100 g

Due to the increased content of vitamin D₃ daily ration should not be more than doubled.

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under **SERVICE** on page 30 onwards.



EQUI²⁰⁰⁰ FERRO-CHELAT

EQUI 2000 FERRO-CHELAT effectively remedies iron deficiency and supplies the organism with active substances. It is especially necessary for sport horses, foals and brood-mares for the activation of blood-formation as well as for the protection of blood vessels in the lungs during peak performances. Thus variations in the physiological performance capacity can be balanced and nutritional health disorders optimally prevented.

Packaging (powder): 1 kg can, 3 kg bucket

The active substance combination for an effective blood formation and an active vascular protection.



COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 10.1 %, crude fat 3.0 %, crude fibre 1.9 %, crude ash 10.5 %, calcium 1.4 %, sodium 0.4 %.

Feed additives per kg*:

Nutritional additives: Vitamin E 10,000 mg, vitamin K₃ 100 mg, vitamin B₁₂ 10,000 mcg, vitamin C 10,000 mg, folic acid 200 mg, iron 12,000 mg, cobalt 10 mg, copper 1,600 mg, selenium 20 mg, zinc 2,500 mg, DL-methionine 20,000 mg.

Technological additives: Silicon dioxide 2,500 mg.

* Vitamin C as L-ascorbic acid, E1 ferrous chelate of amino acids hydrate, E3 cobaltous sulphate heptahydrate, E4 cupric chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate, E7 sodium molybdate, 3b8.11 organic form of selenium produced by saccharomyces cerevisiae NCYC R397 (selenised yeast inactivated).

Composition: Dextrose, rolled oats flour, grape pomace.

Instructions for proper use per day:

Foals (7 th to 30 th day):	10 g
Foals (31 st to 120 th day):	20 g
Weanlings, young horses and ponies:	30 g
Horses (500 kg):	50 g

Due to the increased content of trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰ VITAMIN C

Antioxidants, zinc and amino acids protect the locomotor system and strengthen the immune system.



EQUI 2000 VITAMIN C promotes the capability and the well-being of the horse by highly effective cell-protection vitamins, essential amino acids and zinc. These strengthen the power of resistance and offer an active cell protection for muscles and joints. Successful and enduring performance of the horse can be achieved only by effective cell protection.

Packaging (powder): 1 kg can, 3 kg bucket

COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 5.8 %, crude fat 7.6 %, crude fibre 1.9 %, crude ash 8.3 %, calcium 1.1 %, sodium 0.3 %.

Feed additives per kg*: Nutritional additives: Vitamin E 60,000 mg, vitamin C 160,000 mg, beta-carotene 5,000 mg, selenium 30 mg, zinc 4,000 mg, L-lysine 5,000 mg, DL-methionine 5,000 mg.

* Vitamin C as L-ascorbic acid, E6 zinc chelate of amino acids hydrate, 3b8.11 organic form of selenium produced by saccharomyces cerevisiae NCYC R397 (selenised yeast inactivated).

Composition: Dextrose, rolled oats flour.

Instructions for proper use per day:

Young horses and ponies: 15 g, horses (500 kg): 25 g

Due to the increased content of selenium daily ration should not be more than doubled.

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under **SERVICE** on page 30 onwards.



EQUI²⁰⁰⁰ HUSTEX

Natural herbs support the entire bronchial system.

EQUI 2000 HUSTEX is made of 12 special harmoniously blended natural healing plants and thus offers an optimal nutritional support of the respiratory tract.

Packaging (loose herbs): 600 g can, 1,5 kg bucket, 3 kg bucket

Packaging (pellets): 1,5 kg bucket, 3 kg bucket



EQUI²⁰⁰⁰ PROGASTER

Selected active agents protect the gastric mucosa.



EQUI 2000 PROGASTER is a dietetic complementary feed reducing a stress which can lead to diminished circulation in the gastrointestinal tract and therefore weaken the protective and regenerative mechanism of the gastric mucous membrane. Next to disorders in the digestive system, a weakening could cause gastric ulcers. The significant interplay of tryptophan, mucous substances and pectines, magnesium oxide, anti-oxidants, herbs, unsaturated fatty acids, and regeneration substances provides the special nutritional demand of horses whenever these disorders are discerned or expected in the digestive system.

Packaging (powder): 1 kg can, 3 kg bucket



DIETETIC COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 14.3 %, crude fat 10.9 %, crude fibre 9.5 %, crude ash 29.7 %, magnesium 10.6 %, omega-3 fatty acids 3.9 %.

Feed additives per kg*: *Nutritional additives:* Vitamin E 20,000 mg, vitamin C 40,000 mg, selenium 10 mg, L-tryptophan 40,000 mg. *Technological additives:* Lecithins 20,000 mg.

* Vitamin C as L-ascorbic acid 3b8.11 organic form of selenium produced by *saccharomyces cerevisiae* NCYC R397 (selenised yeast inactivated).

Composition: Herbal mixture (hawthorn, ginkgo, camomile, liquorice, peppermint), magnesium oxide, linseed, calcium carbonate, soybean protein concentrate, apple pomace, linseed oil.

Instructions for proper use:

With every concentrated feed ration, give to
Foals: 5 g Young horses: 10 g
Ponies: 15 g Horses (500 kg): 25 g
mixed with concentrated feed.

Due to the increased content of selenium daily ration must not exceed 30 g for foals, 60 g for young horses, 90 g for ponies, and 150 g for horses (500 kg).

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under SERVICE on page 30 onwards.

EQUI²⁰⁰⁰ BIOREG PLUS

EQUI 2000 BIOREG PLUS provides with probiotic digestibility enhancers and intestine-active substances for a stabilisation of the intestinal flora as well as for a regular intestine movement. This is especially important during variable food quality, after illness or medication resulting in colic, toxic strain, failed fermentation, or loose manure. The prevention of nutritional health problems in the horse's intestine demand strict attention.

Packaging (pellets): 1 kg can, 3 kg bucket

With digestibility enhancers for a persistent stabilisation of the physiological intestinal flora.



COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 12.5 %, crude fat 3.2 %, crude fibre 6.3 %, crude ash 31.3 %, calcium 2.5 %, magnesium 1.4 %, potassium 1.3 %, chloride 1.1 %, sodium 0.8 %, phosphorus 0.4 %, omega-3 fatty acids 0.6 %.

Feed additives per kg*: *Nutritional additives:* Vitamin B₁ 750 mg, vitamin B₂ 300 mg, vitamin B₆ 300 mg, vitamin B₁₂ 15,000 mcg, vitamin E 1,000 mg, biotin 10,000 mcg, folic acid 1,000 mg, nicotinic acid 1,000 mg, pantothenic acid 750 mg, choline chloride 2,000 mg, iodine 12 mg, manganese 1,000 mg, zinc 2,500 mg, selenium 5 mg. *Technological additives:* Kiesegelgur 200,000 mg, lecithins 2,500 mg.

Digestibility enhancers:

Saccharomyces cerevisiae 40 x 10¹⁰ CFU.

* Vitamin B₁ as thiamine hydrochloride, vitamin B₂ as riboflavin, vitamin B₆ as pyridoxine hydrochloride, biotin as D-(+)-biotin, pantothenic acid as calcium-D-pantothenate, E2 potassium iodide, E5 manganese chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate, 3b8.11 organic form of selenium produced by *saccharomyces cerevisiae* NCYC R397 (selenised yeast inactivated), 4b1702 *saccharomyces cerevisiae* (NCYC Sc 47).

Composition: Herbal mixture (milk thistle, artichoke, dandelion, liquorice), wheat bran, apple pomace, fermented cereals, brewer's yeast, rolled oats, linseed, sugar beet molasses, calcium carbonate, ground seaweed, yeast extract (MOS), magnesium oxide, psyllium seed husks, sodium chloride, potassium chloride.

Instructions for proper use per day:

Foals: 25 g
Young horses and ponies: 50 g
Horses (500 kg): 100 g

As a preventative the dosage may be halved. Due to the increased content of trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰ PROHEPAR

Well-balanced nutrition and active agents support the liver function.



EQUI 2000 PROHEPAR supports the function of the liver during chronic liver insufficiency (interrupted liver metabolism). High quality biocatalysts, amino acids, herbs, vitamins, trace elements, and anti-oxidants protect the liver, promote the quick excretion of metabolic end-products and support the transformation of feed into performance-effective substances.

Packaging (powder): 1 kg can, 3 kg bucket

DIETETIC COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 14.9 %, crude fat 7.5 %, crude fibre 11.2 %, crude ash 13.5 %, calcium 1.2 %, sodium 0.4 %, sulphur 0.4 %, omega-3 fatty acids 0.6 %.

Feed additives per kg*: *Nutritional additives:* Vitamin A 1,200,000 I.U., vitamin D₃ 120,000 I.U., vitamin E 14,000 mg, vitamin B₁ 400 mg, vitamin B₂ 200 mg, vitamin B₆ 200 mg, vitamin B₁₂ 40,000 mcg, vitamin C 20,000 mg, folic acid 1,000 mg, pantothenic acid 700 mg, choline chloride 40,000 mg, inositol 10,000 mg, betaine 6,000 mg, zinc 10,000 mg, DL-methionine 10,000 mg. *Technological additives:* Kieselgur 15,000 mg, lecithins 10,000 mg.

Digestibility enhancers:

Saccharomyces cerevisiae 25 x 10¹⁰ CFU.

* E672 vitamin A, E671 vitamin D₃, vitamin B₁ as thiamine hydrochloride, vitamin B₂ as riboflavin, vitamin B₆ as pyridoxine hydrochloride, vitamin C as L-ascorbic acid, pantothenic acid as calcium-D-pantothenate, betaine as betaine hydrochloride, E6 zinc chelate of amino acids hydrate, 4b1702 saccharomyces cerevisiae (NCYC Sc 47).

Composition: Herbal mixture (milk thistle, artichoke, dandelion, liquorice), dextrose, yeast extract (MOS), soybean protein concentrate, linseed oil, methyl sulphonyl methane (MSM).

Instructions for proper use per day:

Foals:	15 g
Young horses and ponies:	30 g
Horses (500 kg):	50 g

Due to the increased content of vitamin D₃ and trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰ PROREN

High quality active agents promote the functions of the kidneys.

EQUI 2000 PROREN supports the functions of the kidneys with chronic kidney deficiency and effectively helps with its high quality compound to decontaminate the organism. Through this resulting support of the heart action and circulation, the lymphatic drainage improves and therefore prevents swollen legs, oedema and the formation of windgalls.

Packaging (powder): 1 kg can, 3 kg bucket



DIETETIC COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 11.9 %, crude fat 3.0 %, crude fibre 9.1 %, crude ash 31.2 %, chloride 7.5 %, sodium 6.4 %, calcium 5.8 %, potassium 2.1 %, magnesium 0.2 %, phosphorus 0.2 %.

Feed additives per kg*: *Nutritional additives:* Vitamin A 1,200,000 I.U., vitamin E 5,000 mg, vitamin B₁ 1,600 mg, vitamin B₂ 600 mg, vitamin B₆ 600 mg, vitamin C 20,000 mg, folic acid 2,000 mg, iron 3,000 mg, zinc 4,000 mg, selenium 20 mg. *Technological additives:* Ammonium chloride 8,000 mg.

* E672 vitamin A, vitamin B₁ as thiamine hydrochloride, vitamin B₂ as riboflavin, vitamin B₆ as pyridoxine hydrochloride, vitamin C as L-ascorbic acid, E1 ferrous chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate, 3b8.11 organic form of selenium produced by saccharomyces cerevisiae NCYC R397 (selenised yeast inactivated).

Composition: Herbal mixture (hawthorn, birch, arnica, stinging nettle), dextrose, sodium chloride, sodium hydrogen carbonate, soybean protein concentrate, potassium chloride, linseed oil.

Instructions for proper use per day:

Foals:	15 g
Young horses and ponies:	30 g
Horses (500 kg):	50 g

Due to the increased content of trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰LIFE!

The optimum nutritional supply for hoof-horn, skin and coat.



EQUI 2000 LIFE! is a biologically high-quality biotin concentrate. It contains quickly effective organic trace elements and sulphur compounds persistently to improve the structure and strength of the hooves, as well as providing optimum support for the skin and coat. Only the regular and sufficient supply of this active substance combination enables optimum growth.

Packaging (powder): 1 kg can, 3 kg bucket

COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 9.5 %, crude fat 0.4 %, crude fibre 0.6 %, crude ash 9.4 %, calcium 1.7 %, sodium 0.6 %, sulphur 5.0 %.

Feed additives per kg*: *Nutritional additives:* Biotin 2,500,000 mcg, vitamin B₆ 2,000 mg, copper 1,500 mg, zinc 15,000 mg, DL-methionine 75,000 mg.

* Biotin as D-(+)-biotin, vitamin B₆ as pyridoxine hydrochloride, E4 cupric chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate.

Composition: Dextrose, methyl sulphonyl methane (MSM), linseed oil.

Instructions for proper use per day:

Foals, young horses and ponies: 5 g, horses (500 kg): 10 g

Due to the increased content of trace elements daily ration should not be more than doubled.

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under **SERVICE** on page 30 onwards.



EQUI²⁰⁰⁰STRALOPTIK

The complex preparation for persistent care of the frog.



EQUI 2000 STRALOPTIK is effective for problems in the hoof area with its drying and disinfectant qualities. The effect unfolds especially in the frog, in the grooves as well as in the white line. Penetration enhancers look after deep and strong intrusion of the active agents; these special care additives keep the horn elastic and support the new formation of the horn.

Packaging (gel): 200 ml bottle

CARE PRODUCT FOR HORSES

Application: After thoroughly cleaning the grooves, inject the gel deeply with the spray nozzle into the central groove and both collateral grooves until the liquid runs out. After treatment, the hoof should be picked up for a short while to allow the active agents to penetrate. This treatment is also applicable to moist hooves.

For healthy hooves, it is recommended to apply EQUI 2000 STRALOPTIK once or twice per week. Treatment is particularly effective after trimming the hooves or when the horse is forced to stand on wet ground.

For hoof problems, treat the hooves with EQUI 2000 STRALOPTIK every day until the foul-smelling and moist horny parts are completely dry.

The preparation does not prevent a hoof's breathing; it is non-caustic and non-toxic. For external use only!



EQUI²⁰⁰⁰ PROCUTIS

Well-balanced nutritional combination to support the skin.



EQUI 2000 PROCUTIS with its selected active agents is an excellent bioregulator for nutritional health disorders of the skin metabolism. Especially horses suffering from over-sensitivity inflicted by insect bites, those with scurf, itching, nodules in the saddle area, or the discomfort of slow-healing wounds require nutrients which have the effect of a stabilising function.

Packaging (powder): 1 kg can, 3 kg bucket

COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 11.2 %, crude fat 6.1 %, crude fibre 3.9 %, crude ash 30.9 %, calcium 3.3 %, sodium 0.3 %, magnesium 0.4 %, sulphur 2.0 %, omega-3 fatty acids 2.4 %.

Feed additives per kg*: *Nutritional additives:* Vitamin A 400,000 I.U., vitamin E 10,000 mg, vitamin B₂ 300 mg, vitamin C 20,000 mg, biotin 300,000 mcg, choline chloride 1,000 mg, iron 2,000 mg, copper 400 mg, zinc 10,000 mg, selenium 20 mg, DL-methionine 10,000 mg.

Technological additives: Kieselgur 160,000 mg.

Digestibility enhancers:

Saccharomyces cerevisiae 5 x 10¹¹ CFU.

* E672 vitamin A, vitamin B₂ as riboflavin, vitamin C as L-ascorbic acid, biotin as D-(+)-biotin, E1 ferrous chelate of amino acids hydrate, E4 cupric chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate, 3b8.11 organic form of selenium produced by saccharomyces cerevisiae NCYC R397 (selenised yeast inactivated), 4b1702 saccharomyces cerevisiae (NCYC Sc 47).

Composition: Herbal mixture (stinging nettle, camomile, horsetail, marshmallow, yarrow), dextrose, calcium chelate, garlic, methyl sulphonyl methane (MSM), calcium carbonate, linseed oil, brewer's yeast, ground seaweed, magnesium fumarate.

Instructions for proper use per day:

Foals, young horses and ponies: 30 g, horses (500 kg): 50 g

Due to the increased content of trace elements daily ration should not be more than doubled.

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under **SERVICE** on page 30 onwards.



EQUI²⁰⁰⁰ KNOBLETTEN

EQUI 2000 KNOBLETTEN with garlic, bear's garlic, linseed, B-vitamins, and herbs protect the horse from insect bites. Moreover, by motivating the digestion as well as by penetrating the purification of the metabolism, the well-being and the horse's performance capacity immeasurably increases.

Packaging (pellets): 3 kg bucket, 5 kg bucket

With garlic, bear's garlic, linseed, and B-vitamins.



COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 18.5 %, crude fat 6.0 %, crude fibre 9.3 %, crude ash 11.0 %, calcium 1.9 %, phosphorus 1.0 %, sodium 0.4 %.

Feed additives per kg*: *Nutritional additives:* Vitamin A 50,000 I.U., vitamin D₃ 5,000 I.U., vitamin E 1,000 mg, vitamin B₁ 2,000 mg, vitamin B₂ 4,000 mg, vitamin B₆ 2,000 mg, vitamin B₁₂ 300 mcg, biotin 30,000 mcg, nicotinic acid 400 mg, iodine 5 mg, zinc 1,000 mg, selenium 4 mg.

* E672 vitamin A, E671 vitamin D₃, vitamin B₁ as thiamine hydrochloride, vitamin B₂ as riboflavin, vitamin B₆ as pyridoxine hydrochloride, biotin as D-(+)-biotin, E2 potassium iodide, E6 zinc oxide, E8 sodium selenite.

Composition: Herbal mixture (garlic, bear's garlic, peppermint, stinging nettle, fennel, camomile, ginkgo, rosemary, thyme), linseed (ground), rolled oats, wheat germs, carrots, ground seaweed, calcium sodium phosphate, fruit vinegar, calcium carbonate.

Instructions for proper use per day:

Foals, young horses and ponies: 20 g

Horses (500 kg): 50 g

Due to the increased content of vitamin D₃ and trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰ WUNDOPATHIE

The effective external skin care.

EQUI 2000 WUNDOPATHIE

offers comprehensive and natural care for sensitive and strained skin-areas.

Packaging (ointment): 100 g tube



CARE PRODUCT FOR HORSES

Contains: Cod-liver oil, zinc, dexpanthenol, vitamin E, lanolin, aloe vera, camomile extract.

Application: If required, apply several times per day to strained skin areas. In order to have the best effect, apply repeatedly for several days.

For fully supporting therapy to care for scurf, wounds, eczema, saddle-sores and chafed patches as well as for the care of chapped skin, an effective combination of protecting and vitalising active substances is necessary.

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under SERVICE on page 30 onwards.



EQUI²⁰⁰⁰ ELECTROLYTE

EQUI 2000 ELECTROLYTE quickly and effectively replaces the loss of electrolytes and essential vital substances, which could be caused by perspiration, stress or the effects of diarrhoea. Only by a short-term replacement of these losses can the performance capacity, the freshness and stamina of the horse be restored or improved.

Packaging (powder): 1 kg can, 3 kg bucket

Maintains efficiency, provides freshness and stamina by readily effective electrolytes.



MINERAL FEED FOR HORSES

Analytical constituents: Chloride 21.9 %, sodium 11.5 %, potassium 4.5 %, calcium 1.6 %, magnesium 0.3 %.

Feed additives per kg*: *Nutritional additives:* Vitamin C 5,000 mg, nicotinic acid 250 mg, pantothenic acid 200 mg, iron 2,500 mg, iodine 8 mg, cobalt 5 mg, copper 375 mg, manganese 2,000 mg, zinc 2,500 mg, selenium 5 mg.

* Vitamin C as L-ascorbic acid, pantothenic acid as calcium-D-pantothenate, E1 ferrous sulphate monohydrate, E2 potassium iodide, E3 cobaltous sulphate heptahydrate, E4 cupric sulphate pentahydrate, E5 manganous sulphate monohydrate, E6 zinc oxide, E8 sodium selenite.

Composition: Dextrose, sodium chloride, potassium chloride, calcium carbonate, magnesium oxide.

Instructions for proper use:

Foals, young horses and ponies: 10 - 20 g
Horses (500 kg): 20 - 40 g

Depending on sweat loss, electrolytes should be given up to five times per day. Due to the increased content of trace elements daily ration should not exceed 200 g for horses (500 kg) and 100 g for foals, young horses or small horses.



EQUI²⁰⁰⁰ TRIAMIN "I"

To remedy quickly sweat losses, energy deficiencies and poor performance.



EQUI 2000 TRIAMIN "I" is a readily available concentrate of active agents with electrolytes, dietary minerals, vitamins and amino acids to promote good performance and quick regeneration during physically stressful situations. The high quality catalysts serve to compensate sweat losses, energy deficiencies and poor performance, and also to stimulate the metabolism. The constituent B-vitamins are indispensable for intact, efficient energy metabolism and effective function of the nerves.

Packaging (paste): 5 x 60 g applicator

COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 0.8 %, crude fat 0.7 %, crude fibre 0.2 %, crude ash 15.0 %, moisture 34.1 %, potassium 2.9 %, sodium 2.1 %, magnesium 0.9 %, calcium 1.0 %, phosphorus 0.4 %.

Feed additives per kg*: *Nutritional additives:* Vitamin B₁ 500 mg, vitamin B₂ 400 mg, vitamin B₆ 500 mg, vitamin B₁₂ 300 mcg, vitamin E 5,000 mg.

* Vitamin B₁ as thiamine hydrochloride, vitamin B₂ as riboflavin, vitamin B₆ as pyridoxine hydrochloride.

Composition: Sugar beet molasses, water, magnesium fumarate, sodium chloride, calcium gluconate, potassium chloride, dicalcium phosphate.

Instructions for proper use:

Foals, young horses and ponies: 1/4 - 1/2 applicator
Horses (500 kg): 1/2 - 1 applicator

Apply deeply into the throat 1 to 2 hours before and after severe physical strain.

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under SERVICE on page 30 onwards.

EQUI²⁰⁰⁰ RACEPOWER

EQUI 2000 RACEPOWER with carnitine causes an extensive and long-term increase in the horse's performance potential. The activation of the muscle metabolism leads to an increased energy-gain as well as to an optimal development and protection of muscle fibres. The accelerated reduction in lactic acid as well as improved blood formation shorten the regeneration phase. This can lead to a horse long persisting in top performance.

Packaging (powder): 1 kg can, 3 kg bucket

Increases the performance capacity and improves the stamina with carnitine.



COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 32.1 %, crude fat 5.2 %, crude fibre 2.8 %, crude ash 11.3 %, potassium 1.4 %, calcium 1.0 %, magnesium 0.7 %, phosphorus 0.4 %, sodium 0.2 %, lysine 3.2 %, arginine 2.0 %, threonine 1.0 %, cystine 0.5 %, methionine 0.5 %, omega-3 fatty acids 1.0 %.

Feed additives per kg*: *Nutritional additives:* Vitamin E 20,000 mg, vitamin B₆ 1,000 mg, vitamin C 10,000 mg, L-carnitine 37,500 mg, iron 6,000 mg, iodine 15 mg, copper 800 mg, zinc 1,000 mg, selenium 10 mg, L-lysine 16,000 mg.

Digestibility enhancers:

Saccharomyces cerevisiae 10 x 10¹⁰ CFU.

* Vitamin B₆ as pyridoxine hydrochloride, vitamin C as L-ascorbic acid, E1 ferrous chelate of amino acids hydrate, E2 potassium iodide, E4 cupric chelate of amino acids hydrate, E6 zinc chelate of amino acids hydrate, 3b8.11 organic form of selenium produced by *saccharomyces cerevisiae* NCYC R397 (separated yeast inactivated), 4b1702 *saccharomyces cerevisiae* (NCYC Sc 47).

Composition: Soybean protein concentrate, fermented cereals, yeast extract (MOS), banana meal (coarse), magnesium fumarate, brewer's yeast, linseed meal, corn starch.

Instructions for proper use per day:

Sport ponies: 70 g, sport horses (500 kg): 100 g

For the last 3 days before the start and on the starting day, the daily ration can, if necessary, be increased 1 1/2 times. Due to the increased content of trace elements daily ration should not be more than doubled.



EQUI²⁰⁰⁰MAG-MIX

Strong nerves with magnesium for anxious and skittish horses.



EQUI 2000 MAG-MIX balances magnesium and vitamin B₁₂ deficiencies which, especially with anxious and skittish horses, can lead to nervous excitement and over-reactions to external stimulus. By stabilising the nervous system, it achieves increased capacity, harmony and performance efficiency.

Packaging (powder): 1 kg can, 3 kg bucket

COMPLEMENTARY FEED FOR HORSES

Analytical constituents: Crude protein 0.6 %, crude fat 0.5 %, crude fibre 1.2 %, crude ash 25.4 %, magnesium 10.0 %, calcium 3.1 %, sodium 0.1 %.

Feed additives per kg*: *Nutritional additives:* Vitamin B₁₂ 250,000 mcg, zinc 2,000 mg.

* E6 Zinc chelate of amino acids hydrate.

Composition: Dextrose, magnesium oxide, magnesium fumarate, corn starch, calcium carbonate.

Instructions for proper use per day:

Foals, young horses and ponies: 12 g
Horses (500 kg): 25 g

Depending on requirements, two- to four-fold this dosage can be given during the first 10 days of feeding. Due to the increased content of zinc daily ration should not be more than doubled.

FURTHER INFORMATION:

Detailed information and general findings of nutritional science can be found under **SERVICE** on page 30 onwards.



EQUI²⁰⁰⁰TRYPTO-MIX

EQUI 2000 TRYPTO-MIX is an excellent problem-solver in cases of nutrition-influenced hypervigilance and therefore offers the best pre-requisite for the calm and highly-concentrated work during training and competition. The unique interplay of magnesium (stress shield), tryptophan (well-being), B-vitamins (performance ability) and anti-oxidants (cell protection) results in an overall synergetic effect stress resistance and the performance capability of the nervous system. The results are inner calmness and, at the same time, an increase in motivation, concentration ability and well-being.

Packaging (powder): 1 kg can, 3 kg bucket

Capacity and freedom from stress through the combination of magnesium, tryptophan and B-vitamins.



VITAMINS

Vitamin A enters the body to facilitate many important metabolic processes. It is involved in the visual process, the reproduction ability, the protection of skin and mucous membrane, as well as strengthening the power of resistance. The significance of breeding is especially found in the stimulation of synthesis of reproduction hormones and in the protective function for the uterus mucous membrane.

Vitamin D₃ regulates the calcium and phosphorus metabolism and promotes the addition of mineral substances in the bone structure. During deficiency, the existing calcium cannot be used accordingly and will be excreted unused.

Vitamin E is the muscle-protector vitamin. During high demand, it also helps to keep the structural function and the performance capacity of the musculature. In addition, vitamin E improves the oxygen supply and use, and, through this, significantly increases the performance capacity of the muscle fibres. The symptoms of a vitamin E deficiency reach from limited performance capacity at performance peaks to tenseness and stiffness, especially in the back musculature, up to inflammation and degenerative changes of the muscle fibres with irreparable lameness and poor performance. It must not be forgotten that the important role of vitamin E is also to strengthen the immune system.

Vitamin K₃ is an essential building block for coagulation and protects the blood vessels of the lung from injury during demanding performance.

Beta-carotene builds the preliminary stage for vitamin A and is especially important for the fertility and reproduction in mares and stallions, as well as for the body's defences.

Vitamin B₁ is at the centre of carbohydrate-metabolism. As a coenzyme, it supports the transformation from nutrition into energy. A deficiency leads to poor performance. Loss of appetite, intense nervousness as well as uncoordinated movement and lameness could result.

Vitamin B₂ supports, in the interplay with other active agents, energy transformation and the production of infection-combat, immune cells. A deficiency can result in deterioration in performance and disorder in the cell metabolism.

Vitamin B₆ builds the base of the smooth process of the protein metabolism in the nerve- and brain-cells. As protein structures are the base of memory, an adequate supply of vitamin B₆ gives a good concentration and memorizing ability and is also used for the transformation of tryptophan into nicotinic acid.

Vitamin B₁₂ promotes the blood formation and plays a decisive part with the metabolism of protein in the liver. It is involved in the nerve tissues to rebuild and maintain the nerve cells. During deficiency, reduction of the entire nervous system occurs. This can lead to lack of sensitivity, increased reflexes and uncoordinated performance.

Vitamin C plays a decisive part not only as antioxidant but it also stimulates the body's defences, whereby the immune system is strengthened in combating virus and

bacteria. Thereby, vitamin C can effectively prevent colds and encourage healing processes.

Biotin is a biological growth agent which is of crucial importance to the health, capacity and elasticity of hoof, skin and hair. Biotin regulates the horning process in skin and hair, strengthens the hoof-horn structure (wall, hoof-quarter, sole, frog) and encourages the hoof's growth.

Pantothenic acid is indispensable for efficient energy metabolism, especially in the liver, the skin and the mucous membranes.

Choline is on the one hand an important building block for the new formation of skin cells, and, on the other, it supports the detoxication function of the liver.

Nicotinic acid (niacin) plays a key role in all energy supplying processes of the nerve metabolism; for this reason a deficient supply leads to damages of the nerve functions and the psyche.

Folic acid is essentially involved in the construction and maturing of red and white corpuscles. A folic acid deficiency leads to weakness of performance and increases proneness of infections.

Carnitine is an amino acid derivative, which serves as a carrier substance for long-chained fatty acids. Only carnitine-bound fatty acids are procured in the cells to gain energy, whereby the heart can obtain 80 % and the skeletal muscles 50 % of its energy demand from burning fatty acids. The increased performance of the heart musculature effects an increased transport of energy and oxygen in the blood, whereby the stamina of performance distinctly increases. Carnitine also prevents the hyperacidity of the muscle cells. As carnitine is produced only sparsely in the liver (especially of younger horses), a sufficient quantity should be supplied with the feed.

AMINO ACIDS

Lysine is the decisive amino acid to build up the musculature and preserve muscular mass during resting. Its other important function is to decrease lactic acid in the muscular metabolism. During lysine deficiency, the building of body substance, especially of musculature, is almost impossible. As lysine is not contained in most cereal feeds, an additional supply is very important.

Methionine as a sulphur containing amino acid, builds a high quality source of organic-bound sulphur for the body. Only inferior to its function as a protein block constructing body tissues, like musculature or a robust horn substance, is its important role of detoxicating metabolic products. A deficiency not only causes loss of body substance, but might also result in damage to the liver, allergies or healing process disorders.

Tryptophan is converted in the metabolism among others to nicotinic acid and the well-being hormone serotonin which acts as a regulator for the transmission in the central-nervous system, and is very important for the essential well-being of the horse. A deficiency leads to unbalanced reaction, irritability as well as to lack of spirit. As serotonin is quickly used up, a regular supply of tryptophan is indispensable.

DIETARY MINERALS

Calcium plays a substantial part in the development, the capacity and strength of the bones and teeth. A deficiency due to its short supply or an increased demand, such as growth, pregnancy, lactation or severe exertion will result in stiffness and low-grade lameness. If calcium deficiency

continues longer, exostosis and inflammation of the bone, joint degeneration and even bone fractures can occur. Particularly in growing foals, calcium deficiency can induce irreversible deformation of the limbs. In addition, calcium plays a vital role in coagulation and in healing wounds, as well as in muscular activity, heart function and stabilization of nerve cells.

Dicalcium phosphate supplies, beside calcium, mainly phosphorus which is, in addition to vitamin D₃, the most important allies of calcium for strengthening the bone structure.

Potassium is indispensable for maintaining the performance potential of the muscle cells; deficient supply results in functional disorders of heart and skeletal musculature.

Magnesium serves as activator for many enzymes in the energy metabolism of the nerve cells and the brain. If magnesium is deficient, heart and skeletal muscles lose their performance capacity. This leads to weak muscles, muscle tremors and ultimately convulsive fits. Of particular interest is the protective function of magnesium against negative effects during stressful situations with anxious and terrified horses. It stabilises the cell membranes, prevents over-stimulation of the nerve cells and, in the blood, counteracts the effect of the stress hormone adrenaline. There is a distinct demand for magnesium during lactation and growth because magnesium is also needed for bone formation.

Sodium and chloride regulate the water and electrolyte balance in the body and maintain the tissue tension outside the cells. Many basic feeds have decreased sodium content, thus leading to such deficiency symptoms as a horse's loss of appetite, loss of weight and weakness in performance.

Phosphorus, next to vitamin D₃, is the most important ally of calcium in strengthening the bone structure.

Sulphur is a dietary mineral whose significance was long underestimated, especially in detoxifying metabolic products. Deficiencies can lead to diseased hooves, inferior condition of the horse's skin and hair, increased proneness to diseases, slow healing processes, as well as problems with the mucous membrane in the lung and joint capsules.

Silicon cares for strong and elastic connective tissues.



TRACE ELEMENTS

Iron is indispensable for the formation of red blood- and muscle-pigment substances (haemoglobin and myoglobin). Haemoglobin functions in the red blood cells for the oxygen transport from the lung to all tissues; in the muscle cells myoglobin takes over the oxygen and makes it available for exercising the muscles. In case of iron deficiency, the occurrence of anaemia, and the supply of oxygen of the individual tissues, especially of the musculature, is no longer guaranteed. Subsequently, fatigue, proneness to infections, decreased performance as well as an increased strain on heart, lung and musculature can result. Iron-deficiency situations occur by deficient supply, by loss of blood (injuries, operations, severe worm disease, diarrhoea disorders) or during times of stronger blood formation.

Iodine builds as a base building block of the thyroid gland hormone; it is the motor for an active and anabolic metabolism. An almost insignificant iodine deficiency leads to significant harm to energy production and therefore to performance capacity.

Cobalt promotes, among other things, the blood formation.

Copper is indispensable for the regular pigmentation of the skin and for forming the hypodermis tissue. It supports iron during the haemoglobin synthesis. It is very important for the joint development with foals. A deficiency could cause vascular ruptures (lung bleeding) and cartilage injuries (chip formation).

Manganese activates important enzymes of the energy synthesis and is therefore irreplaceable for healthy growth, for the formation of the skeletal musculature, as well as for robust bones and joints.

Molybdenum is an important component of many of the body's enzymes.

Selenium protects the cell membrane from harmful oxygen connections (free radicals) and is indispensable for the functioning of heart and musculature. A selenium deficiency leads to pain in the muscles, stiffness and performance weakness.

Zinc is indispensable for the smooth function, the regeneration and the wound healing of the skin. A deficiency leads to rough and chapped skin, swollen skin, loss of hair, changes of the hoof-horn, as well as cartilage injuries (chip formation) with foals.

MISCELLANEOUS

Glycosaminoglycans, like chondroitin sulphate, are a main constituent of the connective tissues. Included are the sinews and sinew sheaths, the ligaments, joint capsules, and cartilage, as well as joint fluid (synovia). The basic substance of the connective tissue with its glycosaminoglycans is responsible for its mechanical capacity, and it serves as a courier of nutrients and waste products between the connective tissue cells and the blood stream. Should injury decrease glycosaminoglycan concentrations, chronic damage (arthrosis, old sinew damage), excessive strain or the natural ageing process would prevent the fulfilment of these functions. The consequences are the deficient stability of the joints, cartilage, ligaments, and sinews.

Omega-3 fatty acids cause a decreased proneness to inflammation and allergic reactions, as well as a more rapid recovery from pathogenic disorders.

Procyanidines from grape pomace protect as anti-oxidants the heart and skeletal musculature during high physical strain, and they persistently strengthen the immune system of the body.

MSM (methyl sulphonyl methane) has, as a biological active sulphur compound, an essential influence on the condition of the skin, the hair and the hoof-horn, as well as on the capacity of the sinew- and joint-structures. Sulphur promotes the detoxication of metabolic waste products in the liver.

Garlic not only stimulates digestion and metabolism, but also promotes the power of resistance in the entire organism. The skin secretes the essential garlic oils, and the anti-allergenic ingredient over the skin are extremely effective in repelling biting insects.

Bear's garlic contains essential oils which strengthen the insect repelling effect of garlic.

Marine-Algae-Flower contains natural mineral substances, trace elements as well as vitamins. These increases the stimulating effect on the intestine flora as well as the natural regulation of the skin metabolism.

Parsley has a high content of vitamin C and promotes the effect of selenium in the immune system.

Probiotics (living yeast) are living and, in the horse's intestine, augmentable yeast cultures. They improve the intestinal flora by promoting the required microbial settlements, the displacement of sickening germs, the neutralization of toxins, as well as the stabilisation of the pH-value. In addition there is an effective activation of the natural body's defence by the stimulation of the immune system in the intestine. Probiotic cultures do not settle in the intestine on a continuing basis, thus they have to be supplied for a longer period of time.

Prebiotics (MOS = Mannan-oligosaccharides) from a special yeast cell-wall extract prevent the growth of pathogenic germs in the digestive tract and increase natural body's defence. This markedly decreases the exposure of metabolism and liver with toxins and ammonia.

Kieselgur can bind liquids up to twenty times of its own volume and is therefore effectively regulating moisture of intestinal contents during diarrhoea and constipation. With its high silicon content, it has a strong and strengthening effect on connective tissues and increases the elasticity of the sinews, ligaments as well as the tendon sheaths and joint capsules.

Wheat bran principally contains the outer layers of the cereal corn and is therefore rich in raw fibres. An adequate high content of raw fibres is indispensable for a proportionate and smooth progress of the digestive processes. Wheat bran has an appetizing effect and is especially recommended to horses which are either generally or during stress situations, (transport, tournament, races, etc.) hesitant in consuming their feed.

Pectin and mucilage originated from apple pomace and linseed, cover the mucous membrane of the stomach with a thin, protective and sliding layer, whereby the membrane is protected against aggressive acids or deficient feed components.

Linseed has a high content of unsaturated fatty acids, essential amino acids and mucilage. Shown by the latest investigations, the unsaturated fatty acids intrude into the process of inflammation and unfold their anti-inflammatory and analgesic effect in the region of the skin, the intestine and the entire locomotor system. The positive influence of mucilage on the digestion and the essential amino acids of linseed, lead to a distinct improvement in the nutritional supply to the horse.

Whey powder has a high content of natural dietary minerals, proteins, vitamins and lactose. The latter effects by its slow and balanced decomposition in the large intestine a targeted supply of energy, and has therefore a balanced function in the energy budget.

Brewer's yeast is very rich in amino acids and has a high content of B-vitamins. As during disorders in the digestive tract or through impairment of intestinal flora, the supply of amino acids as well as B-vitamins is often inadequate, brewer's yeast can prevent deficiency.

Carrots are a dietetic feed with a high content of beta-carotene (provitamin A).

Soybean protein concentrate is rich in essential, limiting amino acids like lysine and methionine; these are indispensable for growth, muscle formation and for reproduction. Especially for horses with digestive disorders, the balanced and adequate supply of these high quality amino acids is the only potential in preventing the decomposition of body substance, especially of the musculature.

Betaine supports in the liver the quick process and excretion of metabolic waste products, especially of lactate.

Lecithin is as an important building block of the liver cells for regeneration processes of much importance; lecithin is excreted by the gall and supports the assimilation and utilization of fats and oils from the feed.

Ammonium chloride effects acidification of the urine and therefore prevents the formation of urinary gravel or bladder stones. These often cause inflammation of the urinary tract with chronic pain, increased proneness to infections and muscle tenseness.

Dextrose (glucose) is a carrier substance, rich in energy, which serves a quick balance of eventual deficit in the energy budget.

Banana meal is made of ripe bananas, distinguished by a high content of readily available starches and electrolytes (especially potassium).

Rolled oats are a high energy, hydrothermally treated cereal product with a high portion of easily and quickly digestible carbohydrates.

Corn starch procreates a balanced release of energy which is used for muscle work or for filling the glycogen storage.

Molasses is rich in dextrose and electrolytes. It is an efficient supplier of energy and provides for such necessary electrolytes as potassium and sodium, which will be withdrawn from the body during digestive disorders, especially during diarrhoea.

Herbs have a manifold operational area; they have an effect on the natural regulation of the digestion, enliven liver-and kidney-metabolism, improve protection against infections and promote healing processes, as well as the regeneration in the joint area. They influence the heart and support the organism during such metabolic problems as equine metabolic syndrome, cushing's syndrome or laminitis.

EQUI 2000 on the tournament

Up-to-date information about anti-doping and medication control rules to be found under:

www.horsesport.org
(Homepage of FEI)

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Water consumption	25
WUNDOPATHIE	24

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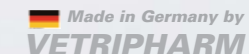
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EQUI 2000 enables an individual and purposeful supply for a horse in all age- and performance-groups.

EQUI 2000 products are constantly adapted to the latest findings of the veterinary science of nutrition.

EQUI 2000 exclusively uses high quality ingredients which are subject to the strictest quality controls. Genetically modified raw materials are never used.





EQUI 2000

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