



Simplifying horse feed

PREPARATION & RECOVERY MASH

Cereal food mix to be soaked in warm water and consumed as a mash.

It has a highly palatable format and eases recovery after efforts as it is designed to deliver the needed nutrients in a fast manner to horses in competition with increased nutrient requirements or those experiencing stress.

Also indicated for older horses with chewing issues due to ageing and for disease recovery.

Designed with a variety of cereals and fibre sources, the proportions of which have been carefully studied to ensure the delivery of carbohydrates with differing fermentation rates, which allows these to be absorbed gradually along the horse's digestive tract, thus delivering energy directly to the animal while they promote diversity in the intestinal microbiome.

To achieve an adequate protein input, protein sources that are rich in the essential amino-acids related to stress, like threonine and tryptophan, have been chosen.

Stress and intense work increase bioavailable macro and micro mineral demands and thus we have included them in our formulation via. 

Bioplex® technology: organic source of chelated microminerals (iron, zinc, copper, and manganese) as proteinates. Microminerals are extremely important to metabolism and for the musculoskeletal system, thus it is vital to ensure adequate bioavailability.

- ✓ Optimal maintenance of bone density in foals and adult horses.
- ✓ Optimal epithelium quality, both skin and digestive epithelium.
- ✓ Maximal iron availability for haemoglobin and myoglobin synthesis, which facilitates oxygen transport and, thus, boosts sport performance in horses.
- ✓ Correct hoof development.
- ✓ Correct functioning of the antioxidant system.

Sel-Plex® is a micromineral obtained from a yeast. Selenium is a crucial part of the antioxidant system of the horse and, since an important oxidative metabolism develops during exercise, it is essential for this mineral to be available in adequate volumes.

- ✓ Optimal antioxidant system.
- ✓ Favours muscular integrity and recovery after physical efforts.
- ✓ Optimizes functions of the immune and reproductive systems.

Yea-Sacc® technology (live *Saccharomyces cerevisiae* yeast) provides different benefits to our compounds:

- ✓ Promotes stabilisation of the horse's intestinal microflora and improves dietary nutrient digestion.
- ✓ Improves pH balance maintenance in the hindgut, favouring fibre digestion.
- ✓ Reduces the risk of digestive upset related to high starch contents.

MOS yeast's cellular wall - *Actigen®* Prebiotic is a unique bioactive second-generation product derived from *Saccharomyces cerevisiae* with three different effects:

- ✓ Traps pathogenic bacteria in the intestine, aiding prevention of digestive balance disruptions.
- ✓ Increases expression of genes related to the integrity of the digestive epithelium. A healthy digestive epithelium enhances nutrient digestion and avoids entrance of bacterial subproducts.
- ✓ Immunoregulator: increases immune activity in the horse in both humoral and cellular systems.

Contains *Synergen®*, a product of the solid-state fermentation of *Aspergillus niger* with residual enzymatic activity; outstanding activity of amylase, beta-glucanase, xylanase, and other fibrolytic and proteolytic enzymes.

- ✓ Better protein and energy uptake from both fibre and starches.
- ✓ Less undigested nutrients reaching the hindgut.

Composition

1.2.2 Maize flakes (*)
 1.1.4 Barley flakes
 1.11.7 Wheat bran,
 4.1.10 Dried (sugar) beet pulp
 2.18.5 Soya (bean) hulls (**)
 2.18.3 Soya (bean) meal (**)
 3.11.3 Pea flakes
 7.6.1 (Sugar) cane molasses
 2.8.2 Linseed expeller
 2.20.1 Vegetable oil and fat (soya) (**)
 5.4.1 Apple pulp, dried
 1.11.1 Wheat
 4.3.4 Carrot flakes
 11.1.1 Calcium carbonate
 11.4.1 Sodium chloride
 11.3.1 Dicalcium phosphate
 11.4.2 Sodium bicarbonate
 11.2.1 Magnesium oxide
 12.1.12 Yeasts products (*Saccharomyces cerevisiae*),
 12.2.6 By-product of enzyme production with *Aspergillus niger*



Analytical constituents

Crude protein	12,70	%
Dig. crude protein	90,00	gr/kg
Crude fats	4,40	%
Crude fibre	8,70	%
Crude ash	5,40	%
Sodium	0,29	%
Calcium	0,75	%
Phosphorus	0,40	%
Magnesium	0,24	%
Potassium	0,65	%
Starch	28,70	%
Sugar	5,80	%
Lysine	0,67	%
Methionine	0,25	%
Threonine	0,46	%
Tryptophan	0,15	%
Omega 3	0,74	%
Omega 6	0,15	%
Energy (DE)	3.110,00	Mcal
Energy (DE)	13,02	MJ/kg
Energy (Ewpa)	0,90	Ewpa

Additives (/ kg. Of product)

Vitamins, provitamins and substitutes chemically defined analog effect

(3a672a) Vitamin A (Retinol Acetate)	12.000,00	U.I.
(3a671) Vitamin D3	2.400,00	U.I.
(3a700) Vitamin E	320,00	mg.
(3a711) Vitamin K3	1,00	mg.
(3a821) Vitamin B1 Thiamine Mononitrate	10,00	mg.
Vitamin B2	6,00	mg.
(3a831) Vitamin B6 Pyridoxine Hydrochloride	6,00	mg.
B12 vitamin	0,05	mg.
(3a880) Biotin	0,80	mg.
(3a315) Niacinamide	30,00	mg.
(3a841) Calcium D-Pantothenate	30,00	mg.
(3a316) Folic Acid	6,00	mg.
(3a890) Chloride Hill	250,00	mg.
(3a312) Vitamin C	200,00	mg.

Trace elements or trace element compounds

(3b107) Iron (iron chelate (II) of protein hydrolysates)	50,00	mg.
(3b103) Iron (iron (II) sulfate heptahydrate)	50,00	mg.
(3b202) Iodine (anhydrous calcium iodate)	0,50	mg.
(3b301) Cobalt (Co (II) acetate tetrahydrate)	0,30	mg.
(3b407) Copper (copper chelate (II) from protein hydrolysates)	20,00	mg.
(3b405) Copper (copper sulphate (II) pentahydrate)	20,00	mg.
(3b505) Manganese (manganese chelate of protein hydrolysates)	40,00	mg.
(3b503) Manganese (manganese sulfate monohydrate)	40,00	mg.
(3b612) Zinc (zinc chelate of protein hydrolysates)	75,00	mg.
(3b605) Zinc (zinc sulfate monohydrate)	75,00	mg.
(3b8.10) Selenium (organic form of selenium produced by <i>Saccharomyces cerevisiae</i> CNCM I-3060)	0,20	mg.
(E8) Selenium (Sodium Selenite)	0,20	mg.

Digestive

(4a1704) <i>Saccharomyces cerevisiae</i> CBS 493.94	35,00	10*9ufc
---	-------	---------

Chelated minerals
 Organic form of Selenium



PREPARATION:

Soak 1 part of Preparation & Recovery Mash with two parts of warm water and let cool for 15 minutes before serving, until the mix reaches the horse's body temperature.

DOSAGE:

Recommended	Ration contribution
daily ration (kg)	Kg /day
200	0,5
400	1,0
600	1,4

