



Simplifying horse feed

MUSCLE UP

Top quality food in muesli format containing extruded cereal flakes, ideal for morpho-functional shows or for horses who need to gain weight.

Rich in vitamin E, Magnesium, *Sel-Plex®* organic Selenium, and essential amino acids from highly digestible proteins which promote muscle development and prevent deposition of fat on tissues.

Super-fibres and soy oil deliver slow-release energy, which allows a reduction of starch loads and avoids 'heating' effects in excitable horses.

Balanced input of Omega-3 and Omega-6 fatty acids thanks to combination of soy oil with extruded linseed, which promote general health and provide a healthy and shiny appearance to the coat.

Formulated with a highly bioavailable vitamin-mineral package with increased contribution of B-complex vitamins, especially those related to carbohydrates and fat metabolism.

Plus, all our food products are enriched with  **Alltech®**

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

- ✓ Aids dietary nutrient digestion.
- ✓ Aids fibre digestion.
- Reduces risk factors associated of digestive upset.

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

- ✓ Bind gut pathogens and support good gut health.
- ✓ Supports animal performance and contributes to a health immune status.

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.

Designed with *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.
- ✓ Essential minerals to help support healthy skin and coat.
- ✓ Maximal iron availability for haemoglobin and myoglobin synthesis, which facilitates oxygen transport and, thus, boosts sport performance in horses.
- ✓ Essential minerals for healthy bone development.
- ✓ Correct functioning of the antioxidant system.
- ✓ Favours immune system's function in animals, especially during stress-triggering situations (shows, transportation, strenuous exercise, etc.).

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.
- ✓ Contribute to health antioxidant activity.
- ✓ Optimizes functions of the immune and reproductive systems.

Composition

1.4.1 Oats
1.1.4 Barley flakes
4.1.10 Dried (sugar) beet pulp
1.2.2 Maize flakes (*)
2.18.3 Soya (bean) meal (**)
2.18.5 Soya (bean) hulls (**)
2.8.2 Linseed expeller
2.19.1 Sunflower seed
1.11.1 Wheat
7.6.1 (Sugar) cane molasses
1.11.7 Wheat bran,
2.20.1 Vegetable oil and fat (soya) (**)
6.10.2 Lucerne field dried
11.1.1 Calcium carbonate
11.4.1 Sodium chloride
11.3.1 Dicalcium phosphate
2.19.2 Sunflower seed expeller
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	14,50	%
Dig. crude protein	103,00	gr/kg
Crude fats	7,10	%
Crude fibre	10,80	%
Crude ash	6,75	%
Sodium	0,40	%
Calcium	1,15	%
Phosphorus	0,42	%
Magnesium	0,25	%
Potassium	0,82	%
Starch	24,20	%
Sugar	4,70	%
Lysine	0,85	%
Methionine	0,27	%
Threonine	0,53	%
Tryptophan	0,18	%
Omega 3	1,52	%
Omega 6	0,26	%
Energy (DE)	3.200,00	Mcal
Energy (DE)	13,40	MJ/kg
Energy (Ewpa)	0,93	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	360,00	mg.
(3a711) Vitamin K3	1,20	mg.
(3a821) Vitamin B1 Thiamine Mononitrate	12,00	mg.
Vitamin B2	7,20	mg.
(3a831) Vitamin B6 Pyridoxine Hydrochloride	7,20	mg.
B12 vitamin	0,06	mg.
(3a880) Biotin	0,96	mg.
(3a315) Niacinamide	36,00	mg.
(3a841) Calcium D-Pantothenate	18,00	mg.
(3a316) Folic Acid	7,20	mg.
(3a890) Chloride Hill	300,00	mg.
(3a312) Vitamin C	240,00	mg.

Trace elements or trace element compounds

(3b107) Iron (iron chelate (II) of protein hydrolysates)	60,00	mg.
(3b103) Iron (iron (II) sulfate heptahydrate)	60,00	mg.
(3b202) Iodine (anhydrous calcium iodate)	0,60	mg.
(3b301) Cobalt (Co (II) acetate tetrahydrate)	0,36	mg.
(3b407) Copper (copper chelate (II) from protein hydrolysates)	24,00	mg.
(3b405) Copper (copper sulphate (II) pentahydrate)	24,00	mg.
(3b505) Manganese (manganese chelate of protein hydrolysates)	48,00	mg.
(3b503) Manganese (manganese sulfate monohydrate)	48,00	mg.
(3b612) Zinc (zinc chelate of protein hydrolysates)	90,00	mg.
(3b605) Zinc (zinc sulfate monohydrate)	90,00	mg.
(3b8.10) Selenium (organic form of selenium produced by <i>Saccharomyces cerevisiae</i> CNCM I-3060)	0,24	mg.
(E8) Selenium (Sodium Selenite)	0,24	mg.

Digestive

(4a1704) <i>Saccharomyces cerevisiae</i> CBS 493.94	42,00	10*9ufc
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Chelated minerals

Organic form of Selenium

Feeding advice: never feed more than 3 kg of concentrate in a sole ration and do not feed forage until 2 hours after concentrate consumption, for maximal advantage and better digestibility of the product.



DOSAGE According to
adult horse's weight and
body condition

Daily recommended quantity (kg)	Moderate activity (Kg/day)
200	0,80
400	1,60
600	2,40

Daily recommended quantity (kg)	Intense activity (Kg/day)
200	1,20
400	2,40
600	3,60

