



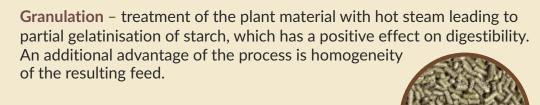
CHRUPKA – **muesli for calves** is an innovative textured compound feed with a unique structure and composition to maximise growth rates and improve calf health and vitality. CHRUPKA is a muesli-type feed, unique on the Polish market, produced with the aid of four feed upgrading technologies:

Extrusion - processing of plant-based raw materials based on hydrobarothermal treatment to induce desirable physical and chemical modifications. The combined effect of water, steam, temperature, pressure and mechanical stresses in the processing of feed materials results in beneficial changes in the structure of proteins, fats, starch and the fibre contained in the extrudates.

Micronisation - exposure of plant materials to IR radiation with a wavelength of 1.8-3.4 μ m. The process excites the molecules that make up the material, causing them to vibrate. The vibration

Micronization (milling) - reduction of the diameter of feed material particles to the order of micrometres.

The process, which is used in many areas of science and industry, significantly increases the availability and assimilation of nutrients.





4 technologies

CHRUPKA - muesli for calves

is an innovative, textured compound feed with a unique structure and composition, designed to maximize growth rates while ensuring healthy and vibrant calves.

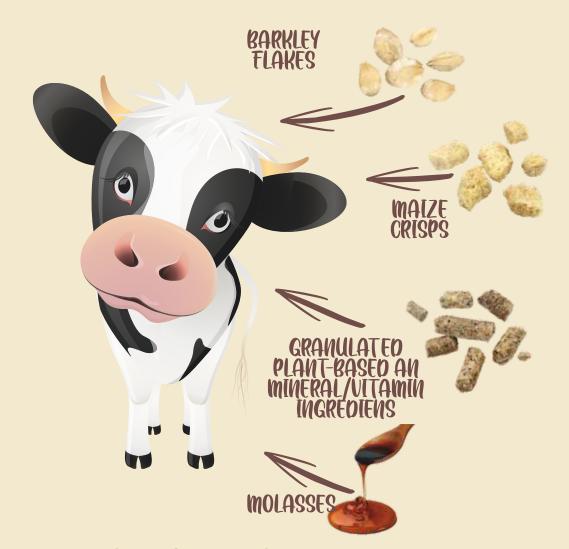
FEEDING SCHEDULE:

The first muesli feed used after the period of colostrum feeding, until 12 weeks of life. Excellent palatability combined with an appropriate physical form make it especially suitable for incorporation into regular feeding regimes.

DOSAGE: 0.1 kg - 2 kg/head/day.

INGREDIENTS:

Extruded corn (muesli-type), infrared micronized barley flakes, soy meal post-extraction, Golden Protein (extruded rapeseed meal), o-MEGA L (extruded linseed, corn, dried apples, milk thistle), microWHEAT – micronized extruded wheat, beet molasses, monocalcium phosphate, calcium carbonate, sodium chloride.



ANALYTICAL INGREDIENTS:

Total protein 20.0%; Crude fat 4.0%; Crude fibre 4%; Calcium 1.1%; Crude ash 7.5%; Sodium 0.2%; Magnesium 0.20%; Phosphorus 0.8%; Vitamin A 22 810 IU; Vitamin D3 7,260IU; Vitamin E 70 mg; Vitamin B1 28.5 mg; Vitamin B2 5.3 mg; Vitamin B6 21.3 mg; Biotin 142.5 mg; Niacin 21.4 mg; Manganese 110.0 mg; Iodine 2.9 mg; Copper 28.8 mg; Iron 146.6 mg; Zinc 160.0 mg; Selenium 710.0 mcg

Why choose CHRUPKA?

- CHRUPKA reduces the incidence of diarrhoea, flatulence and mortality rates. On account of highly digestible ingredients more nutrients are absorbed in the small intestine and less 'feed' for bacteria passes into the large intestine.
- CHRUPKA markedly reduces production costs. It reduces the period of feeding calves with expensive milk replacers and allows producers to make an earlier switch to cheaper bulky feeds.
- CHRUPKA accelerates rumen development. A very high absoption rate of starch and its transformation into volatile fatty acids stimulate the development of the rumen very effectively.
- CHRUPKA stimulates early solid feed intake. Since the product is highly palatable and rich in simple sugars and emulsified fat, it is readily ingested.







