



HERBIVORES



Rhino and tapir

Feed number: 3695

Suitable for: Rhino and tapir

YOUR BENEFITS

- ◇ A recipe low in iron with naturally low-iron raw materials and manufactured without additional iron supplementation for black rhinos and tapirs
- ◇ Also suitable for rhinos with intermediate type feeding habits
- ◇ High content of easily fermentable fiber due to beet pulp grape and apple pomace
- ◇ High content of vitamin E
- ◇ Without any soybean and palm oil products
- ◇ Contains organic sources of trace elements
- ◇ Biotin supplemented
- ◇ Without mineral iron
- ◇ Little cereals for a low content of starch
- ◇ The iron content is analysed for each batch
- ◇ With an appropriate ration composition there is no need of additional supplements thanks to adequate vitamin- and mineral supplementation

We are happy to work with you to create an individual feeding recommendation



Full-scale picture of the feed
Colours may be different from the product

TYPE OF FEED, FORM, DELIVERY QUANTITY

- ◇ Supplementary feed
- ◇ Form: pellet 8 mm round
- ◇ Delivery quantity: 25 kg paper bag
pallets of 750 kg
- ◇ Product number: 3695.PD.S25
- ◇ Storage: dry (<75% humidity), dark (no direct sunlight) and cool (10-25°C). Temperature fluctuations of > 10°C should be avoided. Always remove plastic film around pallets immediately after delivery

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FEED SPECIFICATIONS

Major nutrients (%)

Dry matter	90
Crude protein	13.5
Crude fat	4
Crude fiber	21
Crude ash	9
Acid-insoluble ash (AIA)	0.6
NFE	42.5
NDF	35
ADF	22
Starch	6
Sugar	6

Energy (MJ/kg)

GE	16.5
ME Horse	7.7
ME Ruminant	9.2

Macrominerals (%)

Calcium	1.2
Phosphorus	0.7
Magnesium	0.3
Sodium	0.6
Potassium	1.5
Chlorine	0.7

Trace elements (mg/kg)

Iron	300
Zinc	178
Copper	35
Iodine	1.7
Manganese	85
Selenium	0.6
Cobalt	0.3

Vitamins (added, mg/kg)

Vitamin A (IU/KG)	11'700
Vitamin D3 (IU/KG)	2'180
Vitamin E	1'300
Vitamin K3	1.2
Vitamin B1	4
Vitamin B2	7
Vitamin B6	6
Vitamin B12	0.04
Nicotinic acid	60
Pantothenic acid	40
Folic acid	4
Biotin	6
Choline	0
Vitamin C	50

Amino acids (%)

Arginine	0.67
Lysine	0.54
Methionine	0.20
Methionine + Cystine	0.39
Tryptophan	0.15
Threonine	0.46

Ingredients

Grape pomace, alfalfa, sunflower extraction meal, oat bran, apple pomace, wheat bran, beet pulp, molasses, linseed products, minerals, corn (NGMO) trace element and vitamin premixes, dextrose

Remarks

- ◇ Given values are calculated averages in air-dry feed.
- ◇ Energy values calculated according to Kamphues et al. 2014. GE=gross energy, ME=metabolisable energy
- ◇ ME Ruminant calculated according to the Hohenheim Gas Test
- ◇ Trace elements: calculated total content. Vitamin declaration: vitamins added before production. Estimated total vitamin content for ration calculations on request.
- ◇ Nutrients are subject to natural variation of the raw materials and their production process.

OUR FEED RECOMMENDATION

- ◇ The feed is suitable for supplementing a ration based on roughage (grasshay, lucerne, straw, leaves etc.)
- ◇ Always provide free access to fresh drinking water.
- ◇ Benchmark: 0.4% - 0.8% of body weight per day for rhinos and 0.5-1.5% of the body weight for tapirs

It is recommended to use the pellet in an enriched feeding management that maximizes the animals' feeding time

Sources:

Clauss, M. et al. (2005). A contribution to the trace element nutrition of captive black rhinoceroses (*Diceros bicornis*). Nutrition Advisory Groups Proceedings. Castell, J. (2005). Dissertation. Untersuchungen zu Fütterung und Verdauungsphysiologie am Spitzmaulnashorn (*Diceros bicornis*). Institut für Physiologie, Physiologische Chemie und Tierernährung der Tierärztlichen Fakultät der Ludwig-Maximilians-Universität München [Institute for Physiology, Physiological Chemistry and Animal Nutrition at the Veterinary Faculty of the Ludwig-Maximilians-University of Munich].
Kamphues, J. et al. (2014). Supplemente zu Vorlesungen und Übungen in der Tierernährung, 12. Auflage, M.&H. Schaper, Hannover, pp 20-26
Litzenich, B. A., Ward, A. M. (September 1997). Hay and Pellet Rations: Considerations in Feeding Ungulates. Nutrition Advisory Group Handbook, Fact Sheet 006.