



BIRDS



Ratite zoo maintenance

Feed number: 3910

Suitable for: suitable for herbivorous birds, particularly ostrich, rhea, emu

YOUR BENEFITS

- ◇ Supplementary feed for herbivorous birds for a reliable supply of protein, fibre, minerals, vitamins and trace elements
- ◇ High in fibre to suit the digestive physiology of herbivorous birds
- ◇ Fish oil and linseed products for natural omega-3 fatty acids (0.7%)
- ◇ With phytase (800 FTU/kg) for better phosphorus utilisation
- ◇ 8 mm size for less loss due to sparrows and other wild birds in the enclosure
- ◇ Contains carotenoids (9 mg/kg canthaxanthin)



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
- ◇ Delivery quantity: 25 kg paper bag
pallets of 750 kg
- ◇ Product number: 3910.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



BIRDS

Ostrich maintenance

Feed number: 3910

FEED SPECIFICATIONS

Major nutrients (%)

Dry matter	90
Crude protein	18.5
Crude fat	4
Crude fiber	16.4
Crude ash	11.3
NFE	39.8
NDF	31
ADF	20
Starch	11
Sugar	5

Energy (MJ/kg)

GE	16.3
ME	6.7

Macrominerals (%)

Calcium	2
Phosphorus	0.9
Magnesium	0.3
Sodium	0.4
Potassium	1
Chlorine	0.5

Trace elements (mg/kg)

Iron	450
Zinc	106
Copper	23
Iodine	1.7
Manganese	130
Selenium	0.6
Cobalt	0.2

Vitamins (added, mg/kg)

Vitamin A (IU/KG)	19500
Vitamin D3 (IU/KG)	4880
Vitamin E	108
Vitamin K3	7
Vitamin B1	7
Vitamin B2	16
Vitamin B6	8
Vitamin B12	0.04
Nicotinic acid	87
Pantothenic acid	37
Folic acid	2.2
Biotin	0.4
Choline	900
Vitamin C	64

Amino acids (%)

Arginine	1.10
Lysine	1.00
Methionine	0.55
Methionine + Cystine	0.80
Tryptophan	0.20
Threonine	0.70

Ingredients

alfalfa, sunflower extraction meal, wheat mill by-products mixture, apple pomace, maize, sunflower cake, grass meal, oat bran, potato protein, calcium carbonate, mono-calcium phosphate, linseed cake, peas, rapeseed extraction meal, extruded linseed, sugar beet molasses, wheat bran, fish oil, sodium chloride, sodium bicarbonate, magnesium oxide, monopotassium phosphate, dicalcium phosphate

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.
- ◇ 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

- ◇ This feed can be given to animals from 4 to 6 months of age.
- ◇ Recommended ration: Pellets as a supplement to grass, herbs, roughage (grass hay, alfalfa hay, straw) and, depending on availability, vegetables (mainly leafy green vegetables).
- ◇ Feeding guideline: ostriches: 1–1.5 kg per animal per day. Emus and rheas: 300–700g.
- ◇ Always provide fresh water.
- ◇ The feed should make up approx. 35–50% of the dry matter intake.

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

Sources:

Kamphues, J. et al. (2014). Supplemente zu Vorlesungen und Übungen in der Tierernährung, 12. Auflage, M.&H. Schaper, Hannover, pp 20–26
National Research Council (1994), Nutrient Requirements of poultry, Ninth revised edition, National Academy Press, Sales, J., Feeding Guidelines for Ratites in Zoos, Laboratory of Animal Nutrition, Ghent University, Belgium