



Insectivores: Bird breeding granules

Feed number: 3763

Suitable for: Insectivorous and omnivorous birds and reptiles

YOUR BENEFITS

- ◇ Complementary food for insectivorous and omnivorous birds and reptiles
- ◇ For birds during laying phase this feed can be offered as complete feed
- ◇ High proportion of insect protein flour (24.5%)
- ◇ Shrimp shell flour as a natural source of chitin (3%)
- ◇ Fishmeal (7.5%) and linseed products (6%) as a natural source of omega-3 fatty acids
- ◇ With different carotenoids (32 mg/kg)
- ◇ Wide calcium-phosphorus ratio (3:1) and thus suitable on the one hand for the laying phase, on the other hand to compensate for calcium-poor ration components (e.B unsupplemented insects, minced meat)
- ◇ With phytase for better phosphorus utilization (750 FTU/kg)
- ◇ With a ration content of at least 50% of the dry matter, the feed ideally complements minerals, trace elements and vitamins, so that no further supplements should be necessary.
- ◇ Practical granulate form for dry or wet feeding depending on the animal species and acceptance



Colours may be different from the product

TYPE OF FEED, FORM, DELIVERY QUANTITY

- ◇ Complementary feed
- ◇ Form: granules
- ◇ Delivery quantity: 12.5 kg plasticbag
pallets of 600 kg
- ◇ Product number: 3763.G6.F12
- ◇ 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	91
Crude protein	30
Crude fat	9
Crude fiber	8.7
Crude ash	12.4
NFE	30.9
NDF	18.4
ADF	9.1
Starch	16
Sugar	2.4

Energy (MJ/kg)

GE	17.9
ME	10.7

Macrominerals (%)

Calcium	2.9
Phosphorus	0.9
Magnesium	0.3
Sodium	0.35
Potassium	0.85
Chlorine	0.6

Trace elements (mg/kg)

Iron	350
Zinc	96
Copper	18
Iodine	1.8
Manganese	105
Selenium	0.4
Cobalt	1.5

Vitamins (added, mg/kg)

Vitamin A (IU/KG)	10'000
Vitamin D3 (IU/KG)	3'000
Vitamin E	600
Vitamin K3	12
Vitamin B1	38
Vitamin B2	27
Vitamin B6	22
Vitamin B12	0.14
Nicotinic acid	110
Pantothenic acid	80
Folic acid	4
Biotin	0.7
Choline	1'800
Vitamin C	400

Amino acids (%)

Arginine	1.6
Lysine	1.5
Methionine	1.0
Methionine + Cystine	1.4
Tryptophan	0.4
Threonine	1.4

Ingredients

Insect protein meal, corn, fish meal, sunflower cake, corn, wheat, barley, rapeseed meal, wheat bran, linseed cake, calcium carbonate, apple pomace, shrimp shell meal, fish oil, mineral, trace element and vitamin premix, amino acids, carotenoids, natural antioxidants

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

- ◇ For an optimal ration composition, the granules should make up about 50% of the ration (based on dry matter)
- ◇ Depending on the species, to be combined with live or dead insects, meat, fruits, etc.
- ◇ When used as supplementary feed: Recommended feed supply per day for birds: 50-100g feed / kg metabolic body weight. Recommended food supply for reptiles: 6g food/kg metabolic body weight. (Then corresponds to 1.5x the estimated basal metabolic rate)
- ◇ During the laying phase, birds must either be provided with additional lime grit or the granules must be used as complete feed
- ◇ Depending on the acceptance, the granules can be offered dry or mixed with water to a porridge or mixed with other ration components.
- ◇ The food is not suitable for iron-sensitive animal species
- ◇ Always provide fresh water

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

Sources:

Kamphues et al. (eds), Supplemente zur Tierernährung für Studium und Praxis, 12. Auflage, 2014. M&H. Schaper, Hannover, pp 20-26, pp 20-26
 National Research Council (1994), Nutrient Requirements of poultry, Ninth revised edition, National Academy Press
 Bernard J. B. et al. (1997) – Feeding captive insectivorous animals: Nutritional aspects of insects as foods, Nutrition Advisory Group Handbook, Factsheet 003
 MSD Veterinary Manual (2020) – Nutrition in Reptiles – Management and Nutrition – Recommended Nutrient Concentrations for Reptiles; © 2020 Merck Sharp & Dohme Corp., a subsidiary of Merck & Co., Inc., Kenilworth, NJ, USA