



## OTHER ANIMAL SPECIES



# Insectivore with insect meal

Feed number: 3761

Suitable for: Giant anteater, tamandua and other insectivores

## YOUR BENEFITS

- ◇ Balanced complete feed designed for the needs-covering nutrition of anteaters and other insectivores, covering their requirements
- ◇ Developed in collaboration with the Dortmund Zoo and the University of Zürich
- ◇ High protein content amongst others due to the insect protein meal (25%) for a near-natural nutrition
- ◇ Contains shrimp shells (1.5%) as a natural source of chitin
- ◇ With pre- and probiotics to support the digestion
- ◇ Moderate supplementation
- ◇ Contains taurine (0.23%) and arachidonic acid (0.04%)
- ◇ Contains formic acid (0.1%)
- ◇ Without dairy products or lactose
- ◇ Practical granule, can be easily mixed with water to obtain a homogeneous gruel



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

## TYPE OF FEED, FORM, DELIVERY QUANTITY

- ◇ Complete feed
- ◇ Form: granules
- ◇ Delivery quantity: 12.5 kg plastic bags  
pallets of 600 kg
- ◇ Product number: 3761.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    | 90.0 |
| Crude protein | 38.0 |
| Crude fat     | 14.0 |
| Crude fiber   | 9.5  |
| Crude ash     | 7.0  |
| NFE           | 21.5 |
| NDF           | 19.0 |
| ADF           | 12.0 |
| Starch        | 7.5  |
| Sugar         | 4.5  |

### Energy (MJ/kg)

|        |      |
|--------|------|
| GE     | 20.3 |
| DE Dog | 15.1 |
| ME Dog | 13.5 |
| ME Cat | 15.0 |

### Macrominerals (%)

|            |     |
|------------|-----|
| Calcium    | 1.2 |
| Phosphorus | 0.8 |
| Magnesium  | 0.2 |
| Sodium     | 0.3 |
| Potassium  | 0.6 |
| Chlorine   | 0.4 |

### Trace elements (mg/kg)

|           |     |
|-----------|-----|
| Iron      | 450 |
| Zinc      | 98  |
| Copper    | 21  |
| Iodine    | 1.5 |
| Manganese | 85  |
| Selenium  | 0.5 |
| Cobalt    | 0.9 |

### Vitamins (added, mg/kg)

|                    |      |
|--------------------|------|
| Vitamin A (IU/KG)  | 7500 |
| Vitamin D3 (IU/KG) | 750  |
| Vitamin E          | 960  |
| Vitamin K3         | 17   |
| Vitamin B1         | 60   |
| Vitamin B2         | 35   |
| Vitamin B6         | 30   |
| Vitamin B12        | 0.2  |
| Nicotinic acid     | 100  |
| Pantothenic acid   | 100  |
| Folic acid         | 5    |
| Biotin             | 1.1  |
| Choline            | 680  |
| Vitamin C          | 410  |

### Amino acids (%)

|                      |      |
|----------------------|------|
| Arginine             | 2.17 |
| Lysine               | 2.44 |
| Methionine           | 0.93 |
| Methionine + Cystine | 1.40 |
| Tryptophan           | 0.48 |
| Threonine            | 1.65 |

### Ingredients

BSF fly larvae meal, poultry meat protein, potato protein, apple pomace, oat bran, lignocellulose, poultry fat, corn, soya oil, corn starch, oat flakes, dextrose, alfalfa, prawn meal, fish oil, inulin, minerals, quartz, prebiotics, amino acids, E. faecium (E1708)

### 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

- ◇ Approximately 400-600g per day for an adult giant anteater; however, there are large variations depending on weight and activity, for tamanduas: 150 - 200 g/day
- ◇ Feeding daily in two to three portions is recommended.
- ◇ The feed should be stirred in water to make it a thick gruel, mixing proposal: Feed (g) : Water (ml) in the ratio 1:2,4 to [1:2-1:3]. If accepted, the feed can also be fed dry.
- ◇ By leaving to stand, the gruel thickens after time.
- ◇ To introduce the feed increase the amount of new feed progressively over a period of at least two weeks.
- ◇ Depending on the faeces consistency, sieved peat or cellulose can be added to the gruel

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

#### Sources:

National Research Council (2006). Nutrient Requirements of Dogs and Cats, National Academies Press, Washington DC, S. 31  
Kamphues, J. et al. (2014). Supplemente zu Vorlesungen und Übungen in der Tierernährung, 12. Auflage, M.&H. Schaper, Hannover, pp 20-26  
Stahl, M. et al (2011), Energy intake for maintenance in a mammal with a low basal metabolism, the giant anteater (*Myrmecophaga tridactyla*)  
Animal Physiology and Nutrition  
Oyarzun, S.E. et al (1996), Nutrition of the Tamandua: I. Nutrient Composition of Termites (*Nasutitermes* spp.) and of the Tamandua (*Tamandua tetradactyla*), Zoo Biology 15:509-524