# GLOBAL SWEET

LNB

## SUPPLEMENTARY COMPOUND FEEDS
## PREMIKSES

**containing substances that bind mycotoxins, absorb ammonia and odours and inhibit proliferation of toxinogenic fungi and bacteria**


phytase
phyzyme XP
new generation

This product contains amino acid CHELATES Zn, Cu
MICROELEMENTS IN ORGANIC FORMS

Vitamin E
E Promix
Microvit®
high assimilability

GLOBAL SWEET

## Parameters of supplementary compound feeds for pigs, Global Sweet product line

| Intended for: | | Weaners 20/25–35/45 kg | Growers 35/45 – 65 kg | Growers/ finishers > 65 kg | Dry and early pregnant sows | Late pregnant and lactating sows |
|---|---|---|---|---|---|---|
| Compound feed type | | **Starter** | **Grower** | **Finiszer** | **LP** | **LK** |
| Supplementary compound feed code | | 8270 | 8271 | 8271 | 8272 | 8273 |
| Ingredients | U.M. | **Starter Global Sweet** | **Grower/Finiszer Global Sweet** | **Grower/Finiszer Global Sweet** | **LP Global Sweet** | **LK Global Sweet** |
| Share in the feed | | 4,0% | 3,0% | 2,5% | 2,5% | 4,0% |
| Net energy | kcal | 450 | 330 | 330 | 80 | 240 |
| Metabolised energy | MJ | 2,60 | 1,90 | 1,90 | 0,50 | 1,40 |
| Total protein | % | 14,0 | 10,0 | 10,0 | 2,0 | 6,5 |
| Lysine | % | 8,40 | 6,50 | 6,50 | 1,50 | 4,30 |
| Methionine | % | 2,00 | 0,70 | 0,70 | - | 0,75 |
| Methionine + cystine | % | 2,00 | 0,70 | 0,70 | - | 0,75 |
| Threonine | % | 2,50 | 1,25 | 1,25 | - | 0,90 |
| Total calcium | % | 17,00 | 19,00 | 19,00 | 24,00 | 22,00 |
| Total phosphorus | % | 2,00 | 1,40 | 1,40 | 2,00 | 3,00 |
| Digestible phosphorus | % | 4,00 | 4,30 | 4,30 | 5,40 | 5,00 |
| Total sodium | % | 4,40 | 5,50 | 5,50 | 5,00 | 5,00 |
| Vitamin A | j.m. | 350 000 | 400 000 | 400 000 | 400 000 | 300 000 |
| Vitamin $D_3$ | j.m. | 50 000 | 60 000 | 60 000 | 60 000 | 38 000 |
| Vitamin E | mg | 1 400 | 1 680 | 1 680 | 2 100 | 1 540 |
| Vitamin $K_3$ | mg | 30,0 | 36,0 | 36,0 | 45,0 | 33,0 |
| Vitamin $B_1$ | mg | 30,0 | 36,0 | 36,0 | 45,0 | 33,0 |
| Vitamin $B_2$ | mg | 100,0 | 96,0 | 96,0 | 120,0 | 88,0 |
| Vitamin $B_6$ | mg | 60,0 | 72,0 | 72,0 | 90,0 | 66,0 |
| Vitamin $B_{12}$ | mcg | 500 | 600 | 600 | 750 | 550 |
| Folic acid | mg | 40,0 | 48,0 | 48,0 | 60,0 | 44,0 |
| Pantothenic acid | mg | 350,0 | 350,0 | 350,0 | 400,0 | 400,0 |
| Nicotinic acid | mg | 400,0 | 480,0 | 480,0 | 600,0 | 600,0 |
| Biotin | mcg | 2 000 | 2 400 | 2 400 | 6 000 | 3 500 |
| Choline chloride | mg | 7 500 | 6 800 | 6 800 | 12 000 | 7 500 |
| Manganese | mg | 1 000 | 1 080 | 1 080 | 1 080 | 860 |
| Zinc | mg | 3 500 | 3 000 | 3 000 | 4 500 | 3 000 |
| Iron | mg | 2 000 | 2 500 | 2 500 | 3 200 | 2 000 |
| Copper | mg | 4 000 | 660 | 660 | 800 | 500 |
| Cobalt | mg | 13,3 | 16,6 | 16,6 | 16,6 | 13,3 |
| Iodine | mg | 26,6 | 33,3 | 33,3 | 33,3 | 26,6 |
| Selenium | mg | 6,6 | 8,3 | 8,3 | 8,3 | 6,6 |
| Natural productivity stimulator | | + | + | + | - | + |
| Antioxidant | | + | + | + | + | + |
| Flavourings | | + | + | + | + | + |
| Microelements chelates | | + | + | + | + | + |
| Detoxicant | | + | + | + | + | + |
| New generation bacterial phytase | | + | + | + | + | + |

## The main features of Global Sweet premixes:

**1. Detoxicant**

- adsorbs and absorbs mycotoxins and bacteria in the feed and in the digestive tract
  - higher body weight gains,
  - lower feed consumption per 1kg of body weight gain,
  - improved reproductive performance of sows,
- stimulates the detoxication process, animal health and immunity improvement.
- absorbs ammonia and odours
  - decreased emission of gases into the environment, improved microclimate in the piggery and limited aggression in animals, including pig cannibalism, limited occurrences of respiratory system inflammations in swine.
- inhibits proliferation of toxic fungi and bacteria
- absorbs water and prevents the feed from clodding
- due to absorption of unbound water found in the feed components, the detoxicant stabilises the feed quality and limits the corrosion of the feed mixer
- absorbs heavy metals
- amino acids, sugars, vitamins and other valuable nutrient elements are better available to animals due to selective absorption

**2. New generation phytase**

- even better digestibility of phosphorus, calcium as well as other elements and amino acids as a result of decomposition of phytine compounds
- compared to traditional phytase, the bio-effectiveness is on average 20% higher
- better resistance to the influence of endogenous proteolytic enzymes active in the body (pepsin, trypsin, chymotrypsin)
- a wide pH range of enzymatic activity (2 – 5) = good performance in the intestines as well as in the stomach
- research has shown that compared to traditional fungal phytases, the new generation bacterial enzyme Phyzyme XP is characterised by increased ability to release the following elements from phytinians:
  - phosphorus (by 20%)
  - calcium (by 10%)
  - energy (by ca. 200%)
  - amino acids (by ca. 90% more lysine and ca. 350% more threonine)

**3. Microelements in organic forms (chelates)**

- high bioavailability of minerals
- limiting the interaction between elements, which could cause phytinians to form indigestible substances or to damaging the vitamins
- limiting the formation of free radicals

**4. Natural stimulator of productivity**

- has an immunostimulating effect
- improves digesting and absorption of nutrient elements contained in the feed
- has an antiseptic and anti-inflammatory effect

**5. Application of high quality vitamin E – Microvit E Promix**

- improved health and immunity of animals
- big numbers of live born piglets per litter and higher live weight of piglets
- improved meat quality

| Sample recipes for complete compound feeds for weaners and growers/ finishers | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Components | U.M. | Starter (20/25 - 35/45 kg) | | | Grower (35/45 – 65 kg) | | | Finiszer (od 65 kg) | | |
| Barley | kg | 375 | 150 | 365 | 400 | 212 | 347 | 428 | 293 | 423 |
| Wheat | kg | 400 | 335 | 300 | 405 | 400 | 250 | 400 | 300 | 150 |
| Maize | kg | | 300 | | | 200 | | | 200 | |
| Triticale or rye | kg | | | 100 | | | 200 | | | 300 |
| Wheat bran | kg | | | | | | | 50 | 80 | |
| Extracted soybean meal | kg | 160 | 170 | 50 | 150 | 155 | 90 | 90 | 100 | 100 |
| Danex – full fat soybean | kg | | | 140 | | | 80 | | | |
| EVO – extra value oil * | kg | 20 | | | 12 | | | 5 | | |
| Lonacid MAX (1017)** | kg | 5 | 5 | 5 | 3 | 3 | 3 | 2 | 2 | 2 |
| Starter Global Sweet (8270) | kg | 40 | 40 | 40 | | | | | | |
| Grower/ Finiszer Global Sweet (8271) | kg | | | | 30 | 30 | 30 | 25 | 25 | 25 |
| Nutritional value of compound feeds | | | | | | | | | | |
| Net energy | kcal/kg | 2280 | 2260 | 2285 | 2260 | 2255 | 2260 | 2200 | 2200 | 2200 |
| Metabolised energy | MJ/kg | 13,25 | 13,15 | 13,30 | 13,15 | 13,10 | 13,15 | 12,80 | 12,80 | 12,80 |
| Total protein | % | 17,1 | 17,0 | 16,8 | 16,7 | 16,6 | 16,3 | 14,8 | 14,8 | 14,4 |
| Crude fibre | % | 3,1 | 2,6 | 3,5 | 3,2 | 2,8 | 3,4 | 3,5 | 3,4 | 3,4 |
| Lysine | % | 1,09 | 1,08 | 1,08 | 0,93 | 0,92 | 0,93 | 0,78 | 0,77 | 0,77 |
| Methionine | % | 0,33 | 0,35 | 0,33 | 0,27 | 0,28 | 0,27 | 0,25 | 0,25 | 0,24 |
| Methionine + cystine | % | 0,65 | 0,65 | 0,64 | 0,59 | 0,59 | 0,58 | 0,54 | 0,55 | 0,53 |
| Threonine | % | 0,68 | 0,69 | 0,67 | 0,60 | 0,61 | 0,59 | 0,52 | 0,53 | 0,51 |
| Tryptophan | % | 0,20 | 0,19 | 0,20 | 0,20 | 0,19 | 0,20 | 0,18 | 0,17 | 0,17 |
| Isoleucine | % | 0,66 | 0,66 | 0,64 | 0,65 | 0,65 | 0,63 | 0,55 | 0,56 | 0,54 |
| Calcium | % | 0,78 | 0,78 | 0,78 | 0,67 | 0,67 | 0,66 | 0,56 | 0,57 | 0,56 |
| Total phosphorus | % | 0,49 | 0,48 | 0,47 | 0,44 | 0,43 | 0,43 | 0,44 | 0,46 | 0,40 |
| Digestible phosphorus | % | 0,30 | 0,30 | 0,30 | 0,26 | 0,25 | 0,26 | 0,23 | 0,23 | 0,23 |
| Sodium | % | 0,20 | 0,20 | 0,20 | 0,18 | 0,18 | 0,19 | 0,16 | 0,16 | 0,17 |

* - EVO Extra Value Oil (4087) – highest quality oils enriched with butyric acid glycerides

** - Lonacid MAX (1017) – acidifier and preservative produced by LNB Poland

| Sample recipes for complete compound feeds for sows | | | | | | | |
|---|---|---|---|---|---|---|---|
| Components | U.M. | Dry and early pregnant sows | | | Late pregnant and lactating sows | | |
| Barley | kg | 265 | 200 | 415 | 200 | 326 | 400 |
| Wheat | kg | | 345 | | | 100 | 356 |
| Maize | kg | | | | 300 | 300 | |
| Triticale or rye | kg | 200 | 200 | 300 | 100 | | |
| Wheat bran | kg | 150 | | 200 | 50 | 60 | |
| Oats | kg | 200 | | | 100 | | |
| Dry beet pulp | kg | 100 | 100 | | | | |
| Extracted soybean meal | kg | 60 | 80 | 60 | 186 | 170 | 100 |
| Danex – full fat soybean | kg | | | | | | 100 |
| Dried grass | kg | | 50 | | | | |
| EVO – extra value oil * | kg | | | | 20 | | |
| Lonacid MAX (1017)** | Kg | | | | 4 | 4 | 4 |
| LP Global Sweet (8272) | kg | 25 | 25 | 25 | | | |
| LK Global Sweet (8273) | kg | | | | 40 | 40 | 40 |
| Nutritional value of compound feeds | | | | | | | |
| Net energy | kcal/kg | 2060 | 2070 | 2050 | 2310 | 2200 | 2240 |
| Metabolised energy | MJ/kg | 11,95 | 12,00 | 11,90 | 13,40 | 12,80 | 13,00 |
| Total protein | % | 12,9 | 13,2 | 13,3 | 16,4 | 16,1 | 16,7 |
| Crude fibre | % | 6,8 | 5,5 | 4,5 | 3,7 | 3,3 | 3,5 |
| Lysine | % | 0,60 | 0,60 | 0,60 | 0,97 | 0,93 | 0,95 |
| Methionine | % | 0,21 | 0,21 | 0,22 | 0,29 | 0,29 | 0,28 |
| Methionine + cystine | % | 0,48 | 0,45 | 0,50 | 0,59 | 0,58 | 0,58 |
| Threonine | % | 0,45 | 0,46 | 0,45 | 0,63 | 0,62 | 0,62 |
| Tryptophan | % | 0,16 | 0,16 | 0,16 | 0,19 | 0,19 | 0,21 |
| Valine | % | 0,62 | 0,62 | 0,64 | 0,78 | 0,76 | 0,77 |
| Calcium | % | 0,74 | 0,77 | 0,68 | 0,96 | 0,97 | 0,98 |
| Total phosphorus | % | 0,47 | 0,40 | 0,53 | 0,54 | 0,55 | 0,52 |
| Digestible phosphorus | % | 0,25 | 0,25 | 0,26 | 0,34 | 0,34 | 0,34 |
| Sodium | % | 0,18 | 0,17 | 0,16 | 0,23 | 0,22 | 0,21 |

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