



## GLUCOLUX®-F

ENZYME PRODUCT

### Identification

The product is applied in diets of animals to increase feed energy nutrition and digestibility by means of enrichment of feed with monosaccharides.

### Main characteristics

Glucolux-F – complex enzyme product with naturally balanced amylolytic and cellulolytic activity. It is produced in powder form

Main enzymes	Activity, U/gr	
	Group 1	Group 2
glucoamylase	not less than 1000	not less than 3000
xylanase	up to 600	up to 1500

### Effective range:

pH 3,5-6,0; temperature 30-80°C

### Biological properties

Main component glucoamylase promotes hydrolysis of carbohydrates in feed to maltose and glucose. Accompanying cellulolytic enzymes (xylanase,  $\beta$ -glucanase, cellulase), also containing in the product, hydrolyze polysaccharides of plant cell (xylans, glucans, cellulose) to digestible compounds.

### Advantages of GlucoLux-F

- ◆ helps to increase animal productivity with the same diets, reducing feed cost per unit
- ◆ increases digestibility of nutrient and improves their absorption in small intestine
- ◆ improves microbiological environment of intestinal tract by reducing viscosity and increasing level of monosaccharides
- ◆ supplements enzymatic background of gastrointestinal tract in young pigs and cattle
- ◆ activates immunological processes, which leads to increase of body resistance

### Consumption rates of GlucoLux-F in combined feed

Biological activity, U/gr	Combined feed, gr/ton
1000	500-1000
3000	165-330

Package: 20 kg bags

### Warranted term of storage:

12 months at temperature from -25°C to +25°C.

### Effects of GlucoLux-F in poultry farming:

- ◆ increase of daily weight gain up to 4%
- ◆ reduction of feed cost per unit by 2-4%



### Effects of GlucoLux-F in pig farming:

- ◆ increase of weight gain up to 8-11 %
- ◆ increase of milk productivity of sows and improvement of milk quality
- ◆ piglet weight gain at weaning period
- ◆ reduction of feed cost per unit by 5-6%
- ◆ increase of stock safety by 1-3%



### Effects of GlucoLux-F in cattle farming:

- ◆ increase of weight gain of young fat stock by 6-8%
- ◆ increase of milk yield by 6-9%
- ◆ reduction of feed cost per unit by 5-6%
- ◆ increase of stock safety by 1-2%



### Increase of metabolic energy, protein digestibility rate and amino acids availability (in %) in components of combined feed for pigs, when applying GlucoLux-F

Component	ME	Protein	Amino acids
Wheat	5	6	6
Unhulled barley	5	5	5
Hulled barley	5	6	6
Unhulled oat	5	5	5
Hulled oat	5	6	6
Corn	4	5	5
Rye	5	6	6
Triticale	5	6	6
Millet	5	6	6
Sorghum	5	6	6
Wheat bran	5	6	6
Lupine	5	6	6
Feed beans	5	5	5
Pea	5	6	6