



CELLOLUX®-F
ENZYME PRODUCT

Identification

The product is applied in diets of monogastric animals to improve digestibility of feed with high content of non-starch polysaccharides (wheat, rye, barley, oat, oilseed meal and cake, bran, etc.).

Main characteristics

CelloLux-F – complex enzyme product of new generation with xylanase, β -glucanase and cellulose activities. It is produced in powder form.

Main components	Activity, U/gr
cellulase	not less than 2000
xylanase	up to 8000
β -glucanase	up to 10000

Effective range:

pH 3,5-6,0; temperature 30-80°C

Biological properties

CelloLux-F contains enzymatic complex, which provides gradual breakage of cellulose, xylans, plant cell β -glucans that influence absorption and utilization of nutrients. It provides protein, starch and fat availability, improves feed digestion and nutrients absorption in small intestine. The product improves intestinal microflora by reducing viscosity and increasing monosaccharides level.

Advantages of CelloLux- F:

- ◆ supplements enzymatic background of gastrointestinal tract of monogastric animals;
- ◆ compensates deficiency of digestive enzymes at early stages of development and under stress;
- ◆ eliminates negative effect of anti-nutritional factors that influence nutrients absorption and utilization;
- ◆ helps to reduce feed cost, while maintaining diet density and animal productivity;
- ◆ helps to use freshly harvested seeds;
- ◆ helps to substitute expensive feed components (corn, soybean meal) with cheaper ones (barley, rye, oat, bran) and use processing industry wastes.

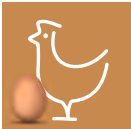
Package: 15 kg bags

Warranted term of storage:

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

Effects of CelloLux-F in poultry farming

- ◆ increase of weight gain up to 3%
- ◆ increase of egg production capacity up to 4%
- ◆ reduction of feed cost by 3-6%
- ◆ helps to use up to 50% of unhulled barley, up to 30% of rye, up to 30% of bran, up to 25% of pea in diets of layers
- ◆ helps to use up to 40% of unhulled barley, up to 20% of rye, up to 30% of oilseed meal in diets of broilers



Effects of CelloLux-F in pig production:

- ◆ increase of daily weight gain for 7-10%
- ◆ reduction of consumption rate per unit of weight gain for 6-11%.



Consumption rates of CelloLux-F in combined feed depending on content of cereals, gr/ton

Animal	Feed composition		
	Up to 50 % of cereals	Up to 60 % of cereals	Above 60% of cereals or freshly harvested seeds
Poultry	50	60-80	80-100
Pigs		80-100	

Increase of metabolic energy, protein digestibility rate (in %) in components of combined feed for poultry and pigs, when applying CelloLux-F

Component	ME	Protein
Wheat	5	5
Unhulled barley	5	4
Hulled barley	5	5
Unhulled oat	5	4
Hulled oat	5	5
Rye	5	4
Triticale	5	5
Wheat bran	5	5
Distillery stillage	4	4
Feed beans	5	4
Pea	5	5
Full-fat soy, soybean meal	4	4
Raps cake, meal	5	4
Oilseed cake, meal	5	4
Soybean meal	4	4