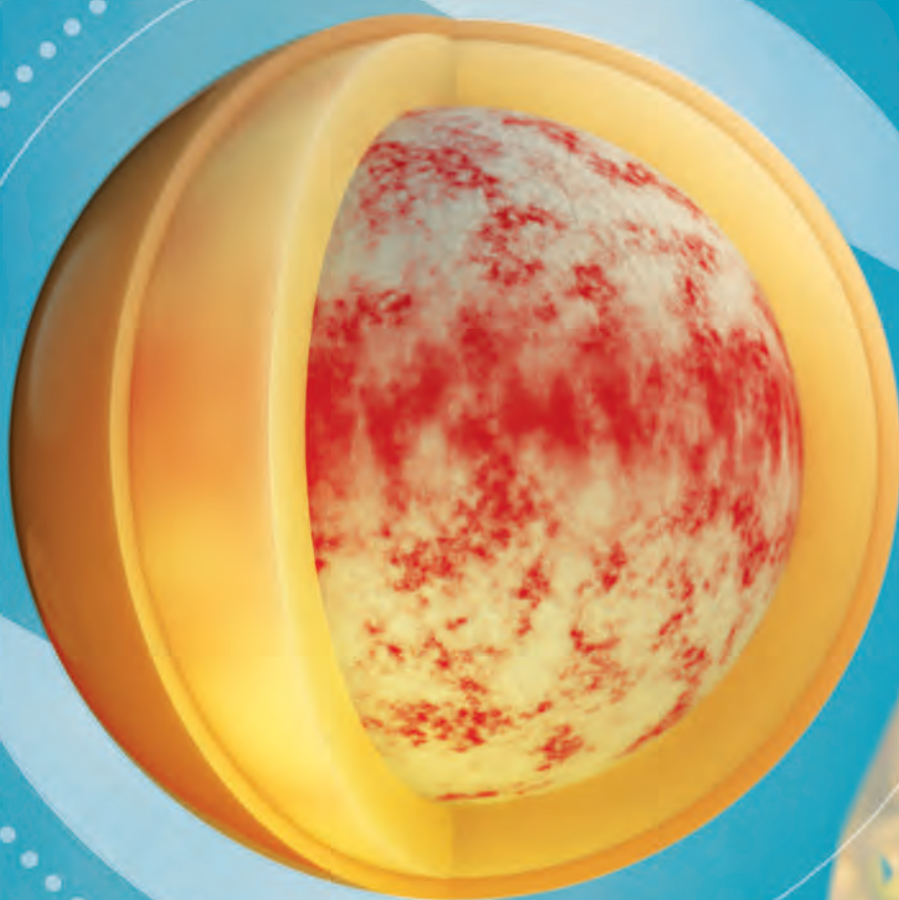


FeedBest V G P R O G



MULTY -
ENZYME

FEED

ADDITIVE



Micro-granulated



Heat-stable



Stabilized

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FeedBest V G P R O G

FeedBest VGPro G

An unique multi-enzyme product of the new generation to increase the digestibility of complex, hard-to-digest diets, which include a large percentage of wheat, barley, bran, fiber, fiber from legumes, sunflower, rapeseed, soybean meal, cake by livestock and poultry.

Declared product activities:

Item	Activity U/gr	Effect
Xylanase	2300-2500	Splits pentonase (xylan, arabinoxylans and others) to mono-, disaccharides
Beta-glucanase	550	Splits glucans to low-molecular carbohydrates and glucose
Pectin lyase	2500-3000	Destroys cementing substances of plant tissue such as pectin, arabinoxylans, xylan, lignin and provides cellulolytic microflora access to cellulose mycelium
Pectinase	460-500	Increases digestibility of internal plant cell pectin
Amylase	200	Reduces of chyme viscosity

Additional product activities:

Item	Effect
Bacterial xylanase	Maximum split of complex non-starch polysaccharides
Bacterial glucanase	
Fungal cellulase	
Bacterial pectatranseliminase	The most complete destruction of the membranes of plant cells and intercellular cell-to-cell linkages. Increase of availability of feed nutrients for the endogenous enzymes of the body. Allows to increase digestibility of cellulose by 25.5% (the results of the balance experience)
Exo-polygalacturonase	
Endo-polygalacturonase	

Advantages of the product:

- powerful, protected, high-tech, microgranulated
- high distribution in feed
- unique: pectin-lyase, pectate-traneliminase, exo-polygalacturanase activities can increase the digestibility of cellulose by 25.5%
- synergetic effect of activities allows to more fully realize the potential of an animal and increase the efficiency of mixed feed

- Feedbest VGProG stability to protease (pH - 3,5;) t=40C

Pancreatic endoenzymes of the animal	Enzyme activity product, %	
	Sample № 1	Sample №2
Pepsin	94	93
Trypsin	92	91

- Heat stability of enzymes in Feedbest VGProG

Product	Residual activity, %		
	75C*75%*2 min	85C*75%*2 min	90C*75%*10 sec
Feedbest VGProG	94	90	82

- Stability of enzymes in Feedbest VGProG – 12 months

	Warranted term of storage, months / residual activity, %					
	1 month	3 months	5 months	7 months	9 months	12 months
Feedbest VGProG	105%	104%	103%	102%	101%	100%

*The product activity is increased comparing to declared by 5%
(Environmental conditions: temperature 25C, relative humidity 60%)

Consumption rate of Feedbest VGProG

Type and age of animals	Consumption rate, gr/ton
<i>Hard to digest ratio</i>	
Poultry	500
Pigs	50
<i>Easy digestible ratio</i>	
Poultry	400
Pigs	400

Package: 20 kg bags

Warranted term of storage: 12 months at temperature from -25⁰C to +25⁰C

