

# BestXyl



## Specification

Xylan is contained commonly in a variety of feed ingredients, like wheat, rye, corn, cereal by-products, soybean meal, etc. Whereas, xylan is indigestible compound for non-ruminant, and causes a significant anti-nutritional affect by increasing chyme viscosity and preventing absorption of protein and energy. BestXyl (Xylanase) in diets help remove anti-nutrition of xylan and reduce feed cost savings.

## Definition of activity

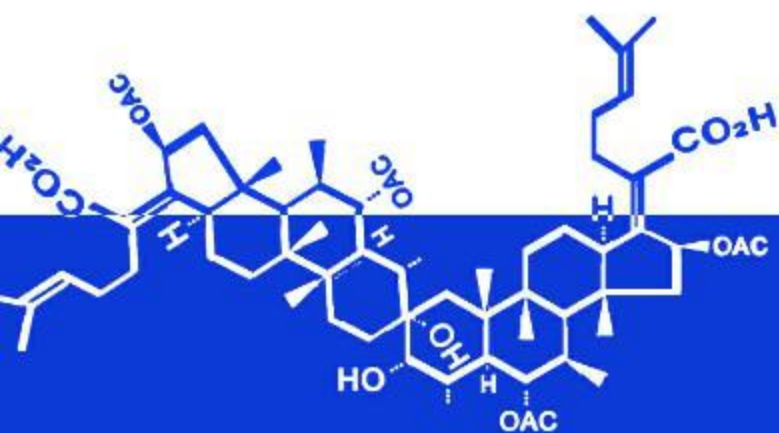
One unit of xylanase activity is defined as the amount of enzyme that liberates 1 micromole of reducing sugar per minute from 5.0 mg/mL of xylan at pH 5.5 and 37°C.

## Specification

Name	BestXyl	Activity	10000-600000U/g
Strain	Aspergillus niger	EC code	3.2.1.8
Form	Powder	Carrier	Starch
Color	White, Light yellow	Loss on drying	≤10%
Working T	30°C-70°C	Optimum T	60°C
Working pH	2.0-7.0	Optimum pH	4.0
Particle size	80% pass 40 mesh		
Package	25kg /bag		
Storage	Stored 12 months under cover in dark, cool and dry conditions		
Caution	Avoid direct sunlight and high temperature		

## Functions

- ① Break down the structure of cell wall, especially xylan, reduce the viscosity of chyme in the intestinal tract, and improve the digestion efficiency of nutrients.
- ② Improve the energy utilization, reduce feed costs and improve feed quality.
- ③ Generate a large amount of xylo-oligosaccharides, improve gut health, and stimulate animal performance.





## Dosage

Recommended dosage in complete feed of BestXyl with 10000 U/g:100-300g/t.

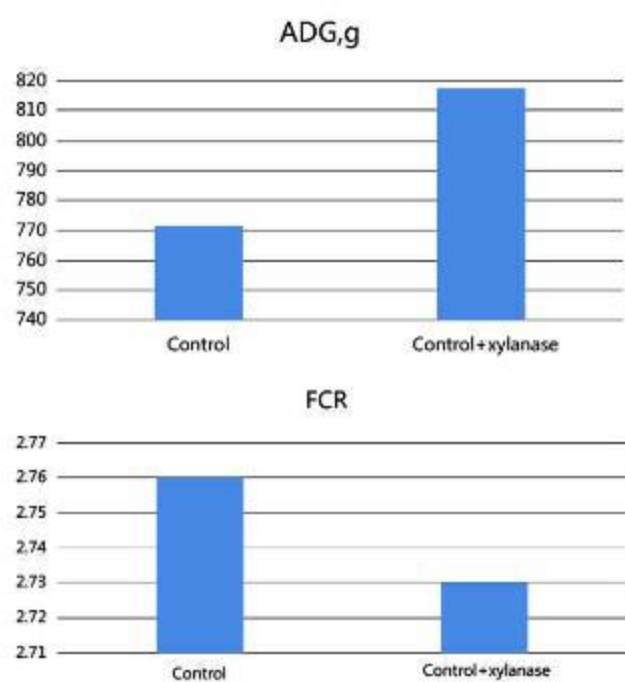
## Standard Matrix Values

Standard matrix values for BestXyl(10000U/g,100g/t)

Nutrient	ME (kcal/kg)	CP%	Lys%	Met%	Cys%	Thr%	Try%	Iso%	Arg%	Val%
Amount provided in the diet	20-60	0.1800	0.0060	0.0075	0.0094	0.0080	0.0100	0.0090	0.0105	0.0080

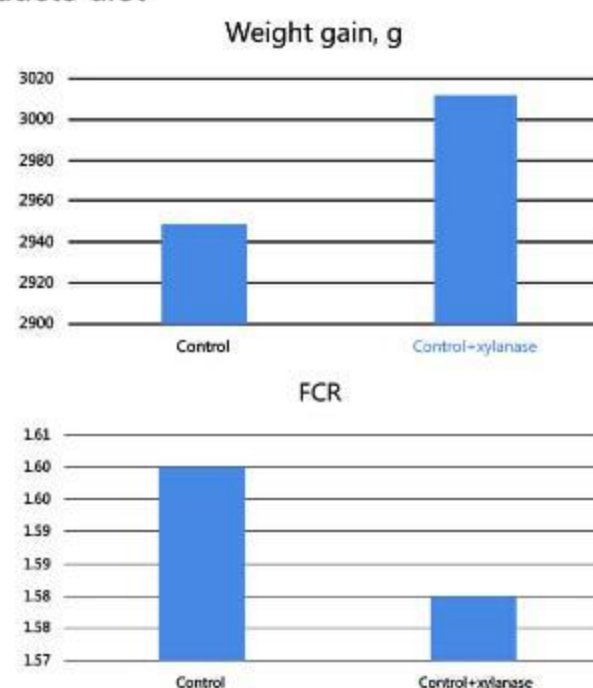
## Application

① Improve the performance of growing pigs on wheat-based diet



Animal: growing pigs, 40-60kg  
Control: Wheat meal diet; Test: Control +BestXyl

③ Improve the performance of broiler on mixed grain and byproducts diet



Animal: AA broilers, 1-42D  
Control: Corn-wheat-byproduct meal diet; Test: Control +BestXyl