

# ENERplus

## ENERplus allows you to use 100%

the fibrous component of biomass used as feeding in anaerobic digestion plants for biogas production.

**ENERplus** is an optimal product for biogas and biomethane plants fed with high amounts of Triticale, wheat, grass, sorghum silage litters (poultry, cows, pigs) and OFMSW.

**ENERplus** contains lyophilized enzymes with high concentration and high purity, the **ENERplus** enzymes formulation is designed to speed up the breakdown of plant cells by making 100% cell content available for the bacteria responsible for the methanation process.

### With ENERplus we are able to:

- Reduce up to 15% the feeded amount in biogas/biomethane plants;
- Reduce the mixing time or electricity consumption;
- Eliminate pumping problems;

### DESCRIPTION

**ENERplus** is a mixture of 3 important enzymes active in the degradation of:

- Cellulose and hemicellulose from cellulase and hemicellulase
- Polysaccharides from xylanase and B-glucanase

Today, more and more biogas plants are using more sustainable biomass but which require long retention times; **ENERplus** increases the degradation efficiency by speeding up the hydrolysis process.

### INDICATIONS

**ENERplus** is indicated in all BIOGAS / BIOMETHANE plants with ALL TYPES OF FEEDING

**ENERplus** having a broad spectrum action, increases the efficiency of the system by reducing the need of long hydraulic retention times (HRT).

### USAGE

The product is to be added as it is, daily in the solids loading system or in the feeding pre-tank.

### DOSAGE

5 Kg / day of enerplus for 1 mw plant  
2,5 Kg / day for smaller plant

### PACKAGING

5 or 2,5 kg biodegradable bags



***Methodo Chemicals is Positive Energy***

Established in the '80s as a company  
SELLING raw materials and additives for the animal feed  
and dietary supplement industries.

***During the '90s***

the company built its PRODUCTION plant for making  
premixes and complementary feed.

***Today, METHODO***

is putting its 30 years of experience in the nutrition sector  
at your service to create a range of supplements that optimise  
the anaerobic digestion process in BIOGAS plants.



FORMULATION, MANUFACTURING  
OF COMPLEMENTARY FEEDS  
AND PREMIXES TRADING  
OF FEED MATERIALS  
AND FEED ADDITIVES

**METHODO CHEMICALS S.r.l.**

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