

# Xylamax<sup>®</sup>

A unique xylanase enzyme scientifically designed for consistent, premium performance

## How to Optimize Xylamax<sup>®</sup> Energy Value When Used with Other Enzymes

Xylamax, at a full 100 g/MT feed dose, has a metabolizable energy matrix value (MV) of up to 130 kcal/kg of feed in corn-soy diets and up to 150 kcal/kg of feed in wheat-soy diets<sup>1</sup>. The exact energy contribution of Xylamax varies, depending on feed formulation, ingredient quality, nutrient profile, and substrate content (xylan, arabinoxylan). Other factors, such as breed, age, and health of animals, production environment, feed manufacturing processes and presence of other feed additives may affect Xylamax's energy contribution.

As a general rule, when considering energy matrix value for the additional feed enzymes included in the feed formulation, reduce the energy contribution of Xylamax by 20% per additional enzyme with energy matrix.

The following examples (based on use in corn-soy diets) provide guidance for adjusting feed formulation to optimize energy value when using Xylamax in combination with other enzymes.

### 100 g/MT Xylamax (no other enzymes)

Energy Value	kcal/kg of feed
Xylamax	+130

### 100 g/MT Xylamax with phytase

Energy Value	kcal/kg of feed
phytase	+30
Xylamax	+130
20% reduction Xylamax	-26
<b>Total Adjusted Energy Value</b>	<b>+134</b>

### 50 g/MT Xylamax with phytase and protease

Energy Value	kcal/kg of feed
phytase	+30
protease	+20
Xylamax (50g/MT)	+65
First 20% reduction Xylamax	-13
Revised Xylamax	52
Second 20% reduction	-10
Revised Xylamax	42
<b>Total Adjusted Energy Value All Enzymes</b>	<b>+92</b>

### 70 g/MT Xylamax with phytase

Energy Value	kcal/kg of feed
phytase	+30
Xylamax (70g/MT)	+90
20% reduction Xylamax	-18
<b>Total Adjusted Energy Value</b>	<b>+102</b>

