

strong benefits

WHY HOSTAZYM® X ?

The continuous improvements seen in daily pig practice when applying Hostazym® X xylanase complex, can simply be attributed to its 5 core strengths :

1. **Ideal fibre affinity**
2. **Cereal consistency**
3. **Desirable nutrient release**
4. **Exceptional robustness**
5. **Proven feed efficiency**



Hostazym X50 microGranulate

Production strain origin	Trichoderma longibrachiatum (IMI SD 135) / not genetically modified
Primary enzyme activity	Endo-1, 4-β xylanase activity (EC 3.2.1.8.) Minimum activity 30,000 EPU/g
Secondary enzyme activities	Cellulase, hemicellulase, α-amylase, protease
Type of diet	Rich in all types of cereals and cereal by-products
Recommended inclusion (EU/NZ label) Broilers, pigs, piglets	50 g/tonne (= 1500 EPU per kg feed)
Recommended inclusion (EU/NZ label) Turkeys for fattening, & layers	35 g/tonne (=1050 EPU per kg feed)
Packaging	20 kg bags
Shelf Life	24 months

conclusion

HOSTAZYM® X, THE PREFERRED NSP ENZYME FOR PIGS !

Hostazym® X unique characteristics of heat tolerance, high stability, perfect dosing and homogenization combined with its feed-matching complex, has proven in any fibre type of pig diet to give:

- **Improved growth PERFORMANCE** and FCR
- **FLEXIBLE** feed formulation (savings up to 5 €/mT)
- **Higher intestinal HEALTH** status

Hostazym® X

The preferred NSP enzyme



Let's talk about
Hostazym® X
in pigs

Pigs need efficient ways to extract more nutrients out of the feed and to maintain intestinal health. Hostazym® X is an unique digestive enzyme complex, specifically developed to meet these crucial objectives in everyday pig diet formulations. Hostazym® X provides a consistent solution for overcoming the anti-nutritional effects of many NSP fibre fractions (Non-Starch Polysaccharides), present inside conventional and more challenging pig diets.



unique

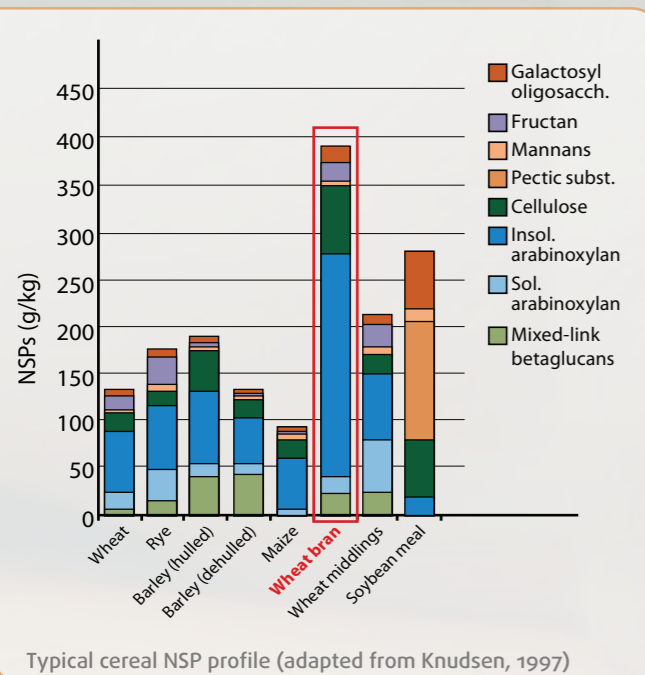
UNIQUE PRODUCT CHARACTERISTICS

1. SPECIFIC PRODUCTION PROCESS

Hostazym® X is produced in an unique way, being the only EU-registered feed enzyme (Nr. 421617) from **Surface Fermentation (SF)**. It explains why all of its enzymes have :

- A high, natural heat-tolerance
- No true need for a protective product coating

2. INTRINSIC MATCH WITH FEEDSTUFFS' NATURE



Hostazym® X is synthesized on **feed-grade wheat bran**. This highly fibrous substrate ($\pm 40\%$ NSP) makes Hostazym® X a valuable enzyme tool with :

- Unique and broad-spectrum activities
- Consistent effects in everyday feed formulation

3. EXCEPTIONAL DOSAGE FORM

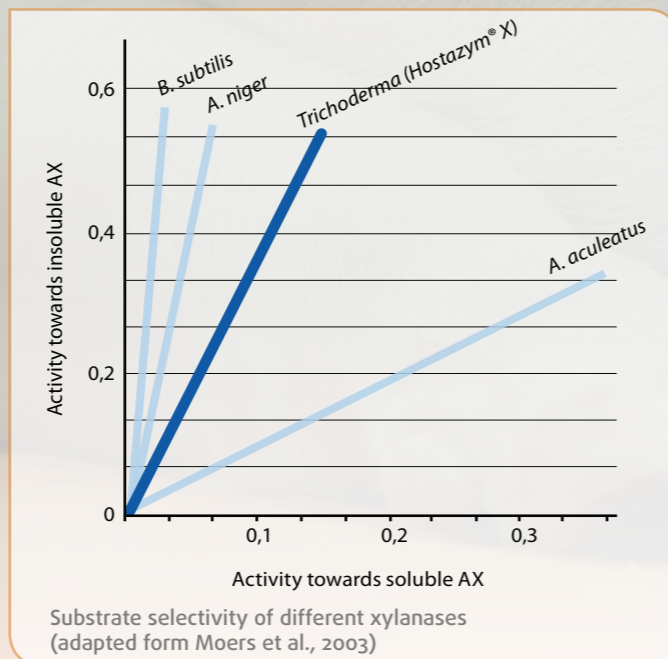
After the unique enzyme production, Hostazym® X is formulated via a patented **micro-granulation procedure** (patent WO/97 42837), delivering a final product with:

- Prolonged shelf life & 85°C pellet stability
- Homogenous distribution in premix & feed
- Excellent enzyme release in the pig foregut

4. BOOSTING ZOOTECHNICAL PERFORMANCE

The enzyme complex inside Hostazym® X is produced by the non-GMO *Trichoderma*, enabling an **ideal affinity** for both insoluble & soluble xylans (AX), and giving:

- Less nutrient caging or excessive NSP viscosity
- Improved nutrient utilization & less intestinal disorders
- More efficient NSP breakdown vs. gut fermentation



TECHNICAL PERFORMANCE

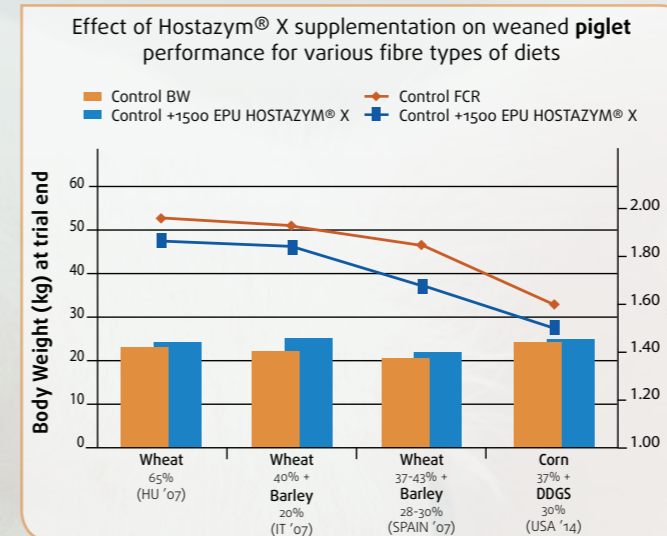
WEANED PIGLETS

In past years many efficacy trials in piglets have been performed, to demonstrate the effect of Hostazym® X supplementation on **zootechnical results post-weaning**.

SET-UP:

- Comparable design
- Nursery weaned piglets 7 -23 kg (d28 - d70 of age)
- Equal initial body weights
- But varying diet compositions, NSP fibre profiles

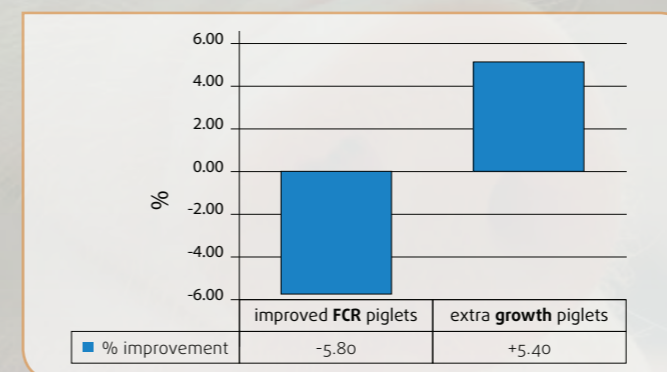
RESULTS:



CONCLUSIONS:

- Adding Hostazym® X at 1500 EPU/kg of feed boosts overall piglet performance, on many different cereal substrates.

All above trials combined, gives the following multi-diet outcome for weaned piglets supplemented on Hostazym® X



Daily practice: Hostazym® X in weaned piglets

- Consistent performance on a variety of substrates
- Less negative effects from various NSP fibres
- Higher nutrient utilization (reduced feed costs)
- Up to 5.5% higher growth & 6% better FCR

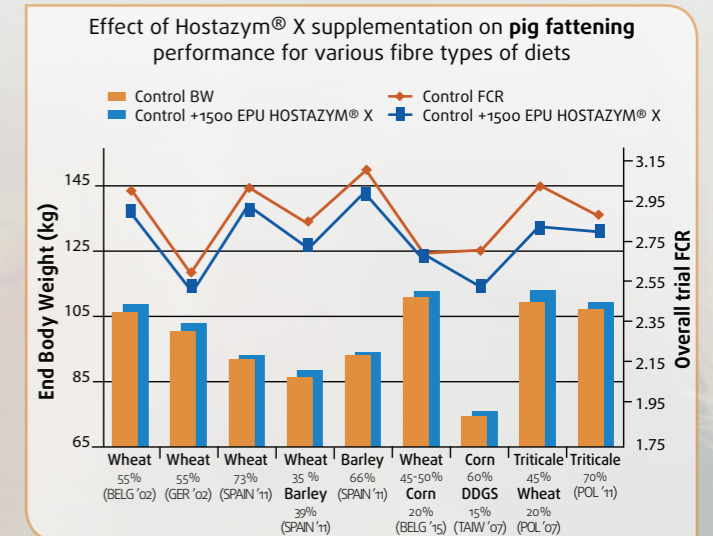
FATTENING PIGS

Similarly, various efficacy trials have been conducted in grow-finish pigs, to proof the clear benefits of Hostazym® X supplementation on **zootechnical results during fattening**.

SET-UP:

- Comparable design
- Pigs 25/30 kg - 90/110 kg end (full fattening period)
- Equal initial body weights
- But varying diet compositions, NSP fibre profiles

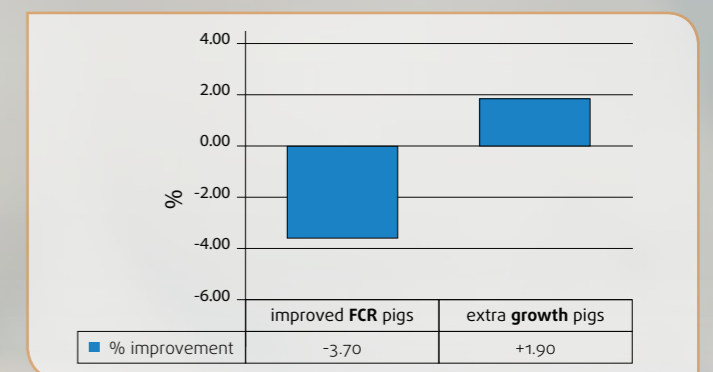
RESULTS:



CONCLUSIONS:

- Adding Hostazym® X at 1500 EPU/kg of feed improves pig meat production, on many different cereal substrates.

All above trials combined, gives the following multi-diet outcome for fattening pigs supplemented on Hostazym® X



Daily practice: Hostazym® X in fattening pigs

- Consistent performance on a variety of substrates
- Less negative effects from various NSP fibres
- Higher nutrient utilization (reduced feed costs)
- Up to 2% higher growth & 3.5% better FCR