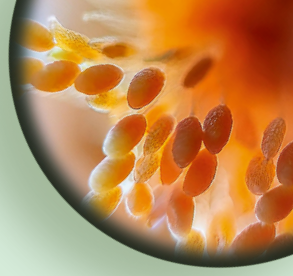
PROVITA SUPPLEMENTS

PERFECT COMPONENTS. MAXIMUM RESULTS.



FUNGAL FERMENTATION FUTURE

PROVITA SUPPLEMENTS provides highly functional dried fungal fermentation products from solid-state fermentation (SSF) of selected strains (*Aspergillus niger, Aspergillus tubingensis, Aspergillus oryzae, Neurospora intermedia, Neurospora tetrasperma*). Targeted postbiotics to enhance the breakdown of monogastric or ruminant diets to increase nutrient digestibility, support gut integrity and animal performance.

Postbiotics are defined as '... preparation of inanimate microorganisms and/or their components that confers a health benefit on the host' (ISAPP, 2023). Solid-state fermentation is the cultivation of microorganisms on a moist solid support with the absence or near absence of water. Adapted to various challenges in the feeding of monogastrics and ruminants, the postbiotic provides solutions for greater use of non-human edible feedstuff, support of gut integrity, and greater feed efficiency resulting in greater animal performance and lower emissions.

MONOGASTRICS

MAXFERM
breaking up NSP matrix

MAXFERM/PRO
improved protein digestibility

MAXFERM/ECO
ecological production

RUMINANTS

MAXFIBER
breakdown of high fiber-diets

MAXFIBER/HSD
breakdown of high starch-diets

MAXFIBER/ECO
ecological production

BARRIER FUNCTION
- ↑ Tight junction expression
  Cell proliferation
- ↓ Pathogen adhesion

MICROBIOTA
- ↑ Microbial proliferation
  Beneficial microbiota
  Microbial activity

SUSTAINABILITY
- ↑ Nutrient degradation
  Nutrient absorption
- ↓ Nutrient excretion

OUTCOME
- ↑ **Gut integrity**
  Animal performance
  Ingredient Flexibility
- ↓ **Lower emissions**

For more information

en.provita-supplements.com | info@provita-supplements.de

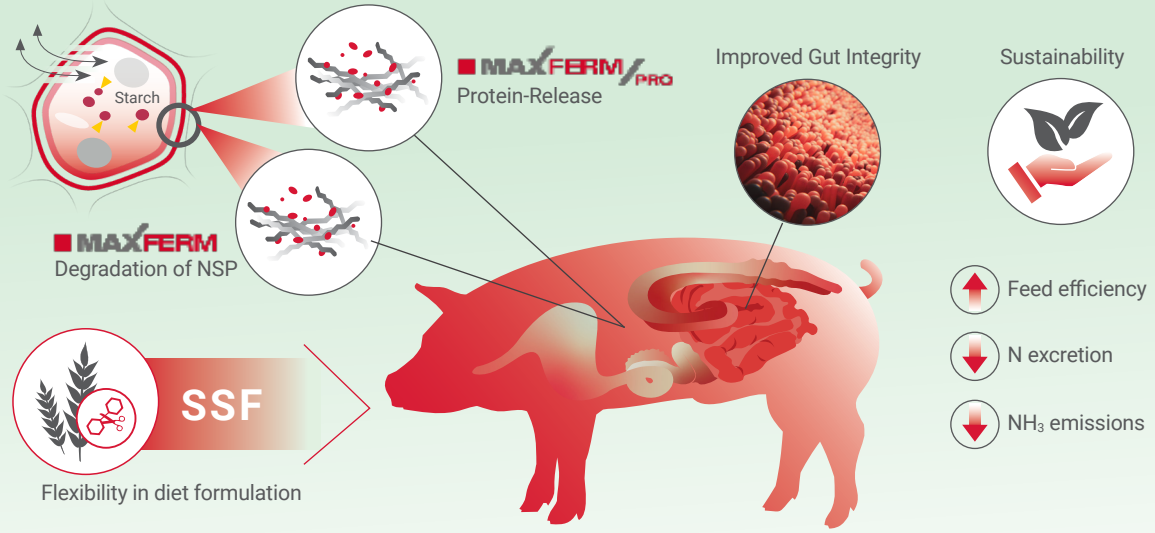
MAXFERM

BREAKING UP FIBER MATRIX

The use of MAXFERM can minimize the adverse effects of non-starch polysaccharides (NSP) and increase the digestibility of nutrients. This favors greater flexibility in the formulation of the feed ration and can help to reduce feed costs.

MAXFERM/PRO – UNLOCK YOUR PROTEIN

MAXFERM/PRO solutes cells of protein-rich feedstuffs and releases proteins from the colloidal system of cytoplasm and cell wall structures. The multifactorial impact of MAXFERM/PRO increases total tract digestibility allowing to reduce dietary crude protein content and nitrogen excretion.



MAXFIBER

IMPROVING FEED EFFICIENCY

MAXFIBER products promote the degradation of crude fiber and structural carbohydrates (MAXFIBER) or non-fiber carbohydrates (starch, pectin) (MAXFIBER/ HSD) increasing the total tract digestibility and improving energy utilization. In addition to the prebiotic effect and the stabilization of rumen fermentation, MAXFIBER promotes an improved feed conversion ratio, a higher milk yield and a lower loss of milk persistence.

MAXFIBER

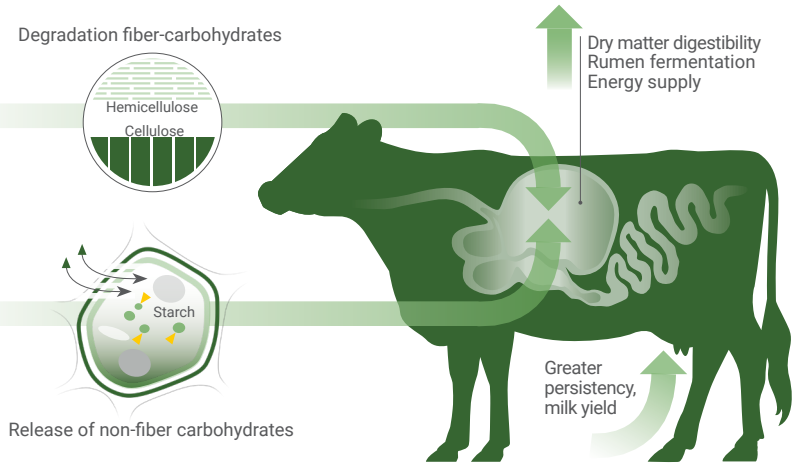
Diets rich in fiber-carbohydrates
⇨ **cellulose, hemicellulose**

- High forage to concentrate ratio diets
- Pasture/forage based
- Slow fermentation rate

MAXFIBER/HSD

Diets rich in non-fiber carbohydrates
⇨ **starch, pectines**

- Low forage to concentrate ratio diets
- Anti-heat stress diets
- Fast fermentation rate



PROVITA SUPPLEMENTS

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