

We invented the Exergy steam drying technology in late seventies and have over 35 years' experience in designing and delivering drying plants using our technologies integrated with other processes. We strongly believe in long term trust based relationship with our clients, partners and suppliers. Our drying solutions reinforces your process.



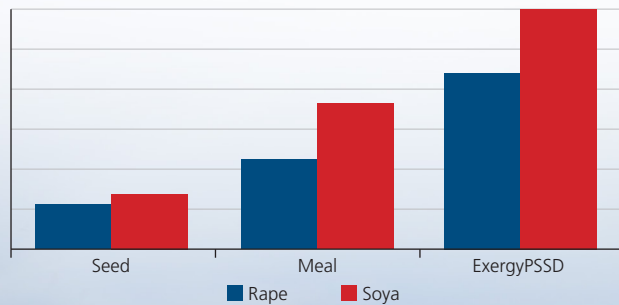
EXERGY ANIMAL FEED APPLICATION

– Quality Improvements, Drying and Sterilization

RUMEN PROTECTED PROTEIN

ExergyPSSD® changes the protein molecule structure to a less water soluble open protein compared to the native global structure. The protein is not denatured during the drying process. This creates so called protected protein which by-passes the rumen without being degraded allowing full digestion in the small intestine. The amount of protein by-passing the rumen will increase by about 50% to be used in the intestine for improved milk production and weight gain (meat).

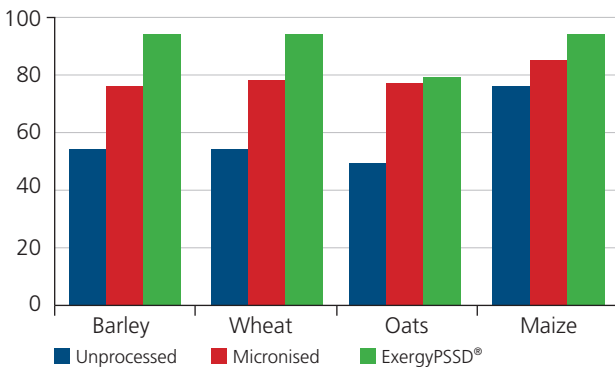
AMINO ACIDS, AAT



GELATINISATION OF STARCH

Many feed compounders are using extruders, micronisation or steam batch cookers to treat grains of different raw materials in order to increase gelatinisation of starch as to attain a more digestible grain for the animals. All grains including whole corn kernels shows much higher gelatinisation levels after ExergyPSSD® treatment than for instance micronisation. Exergy provides a versatile continuous process for all products and gives better results.

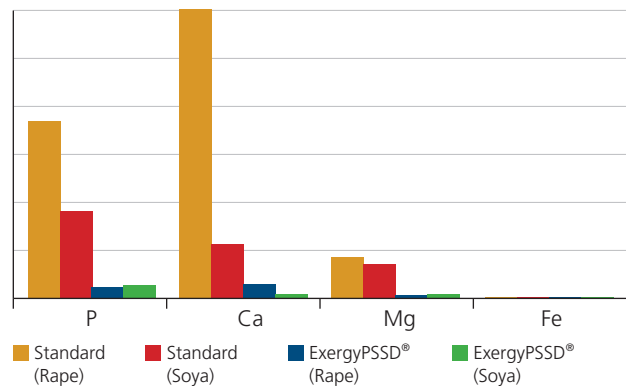
% GELATINISATION OF WHOLE GRAINS



IMPROVED OIL YIELD AND QUALITY

Oil yield with ExergyPSSD® is increased by about 1% and the oil is easier to refine compared to standard oil. Direct neutralisation with alkali followed by washing, reduces the phosphorus content to 6–7 PPM. This means that acid or enzymatic degumming is not needed. Sensory evaluations show no difference between the ExergyPSSD® processed oil and the standard oil.

OIL ANALYSIS AFTER WATER DE-GUMMING



GENERATING PROFITABILITY

We analyse our customers' needs to provide effective drying processes that leads to a cost effective complete solution with high productivity and energy efficiency.

LOW OPERATING COST

- 150 kWh/ton water evaporation – Energy saving
- Few rotating parts – High availability and low maintenance cost

COMPACT AND DURABLE DESIGN

- Small foot print, built on height – Save on land
- First plant built 1979 and still in operation – Long lifetime

ENVIRONMENTAL FRIENDLY AND SAFE

- No emissions to atmosphere – No VOC or odor treatment needed
- Oxygen free – No fire and explosion protection systems needed



SWEDISH EXERGY AB | EXPERIENCE & KNOW-HOW FOR OPTIMAL SOLUTIONS

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