



BeneoPro W

High quality vital wheat gluten



- Rich in protein (80%)
- Excellent digestibility
- Functional properties
- Neutral colour and taste
- Safe product

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Connecting nutrition and health

BeneoPro W is the brand name for wheat gluten produced at the new Bio-ethanol plant at Wanze, Belgium.

BioWanze is designed as a food grade quality plant and this ensures the high quality of the wheat gluten produced. The plant is unique in that sense that the bio-ethanol is produced from wheat starch instead of the whole grain product. The protein fraction, is separated before fermentation and subsequent distillation of bio-ethanol. This procedure of gluten production corresponds to the one which is known in starch production facilities for decades. A flow chart of the production is given in Figure 1.

After separation, the gluten are dried in ring dryers ensuring that the typical physical characteristics of vital wheat gluten are maintained.

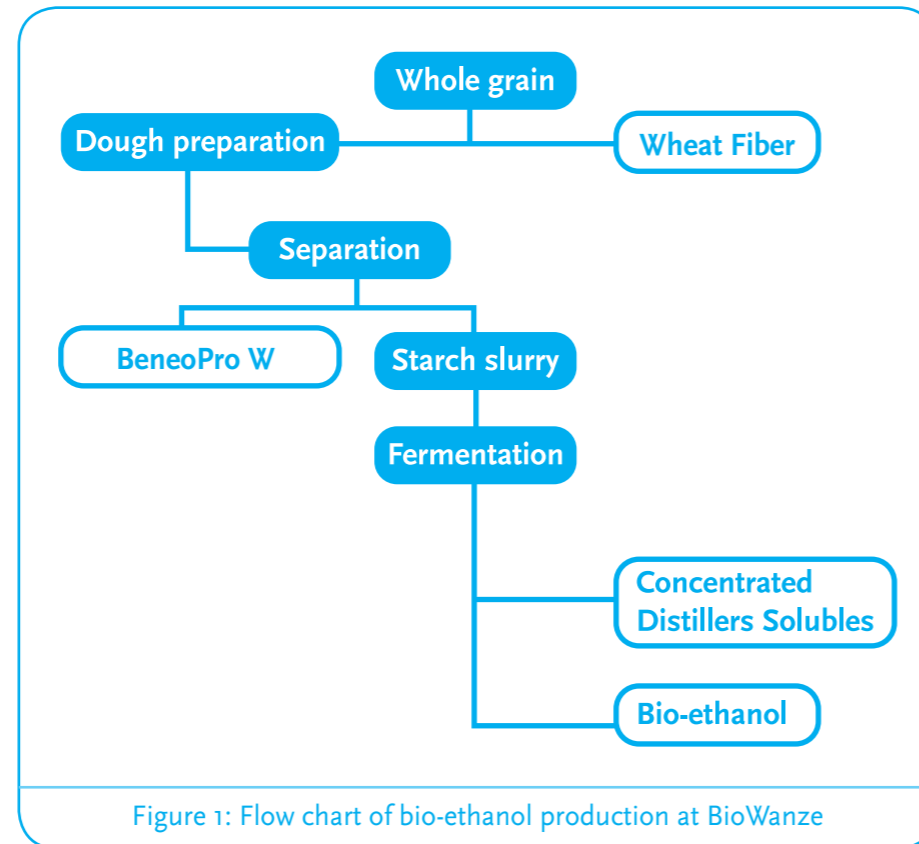


Figure 1: Flow chart of bio-ethanol production at BioWanze



Applications

Because of the nutritional and technical properties, BeneoPro W can be used in a large number of applications in animal nutrition.

- A highly concentrated protein source for aquaculture
- Improvement of the technical characteristics of wet and extruded petfood
- Source of highly digestible protein for young animal diets (piglets, calves, poultry)

Composition

Table 1: Indicative specifications of BeneoPro W

Parameter	%
Moisture	10 max.
Protein	80 min.
Ash	2 max.
Fat	2 max.
Fiber	1,5 max.

Conclusion

BeneoPro W is a highly valuable protein source and can be included in diets as well for nutritional as for functional characteristics.

Table 2: Indicative amino acid profile of BeneoPro W

Amino Acid	% of protein
Alanine	2,48
Arginine	3,30
Asparagine/Aspartic Acid	3,03
Cysteine	2,15
Glutamine/Glutamic Acid	36,09
Glycine	2,99
Histidine	1,77
Isoleucine	3,41
Leucine	6,57
Lysine	1,58
Methionine	1,94
Phenylalanine	5,76
Proline	11,82
Serine	5,31
Threonine	2,57
Tryptophan	0,77
Tyrosine	3,38
Valine	3,76

BENEO-Animal Nutrition

The BENEIO-Group combines over 100 years of experience in food production which also benefits our customers in the field of animal nutrition. BENEIO-Animal Nutrition currently offers a broad range of “functional feed” ingredients that support the health of animals: production animals, pets as well as fish. Our product range contains the main nutrients: proteins, carbohydrates, right up to fiber sources. Thanks to intensive research, our comprehensive expertise in the foodstuffs sector and excellent knowledge of the food and animal nutrition industry, we aim to become your partner in the development of innovative animal feed solutions.