



Saccharomyces cerevisiae 100% and preparations based on the yeast

Long-lasting experience in working with *Saccharomyces cerevisiae* brewer's yeast as well as its influence on the animals' organism were the idea behind creation of the brand of AgroYeast. The foundation of research conducted for many years, was the effect of addition a yeast into fodder. As a result, it was concluded that a beneficial effect have not only vitamins, protein and micronutrients contained in yeast, but also the substances derived from hops and, because the yeast origin, occurring in them. In addition to the high nutritional value, the preparations based on brewer's yeast have also immune-stimulating properties and bind mycotoxins in the gastrointestinal tract of livestock, which are dangerous for the body. AgroYeast yeast compositions are based on thorough scientific research and directionally designed for selected groups of animals.

The addition of AgroYeast yeast to animal's fodder in various physiological stages, has demonstrated the increase of its efficiency. In particular, this applies to dairy cows and swine, where a significant improvement in the overall performance of production and the results of reproduction and rearing as well as reduction of diseases specific to certain species of animals have been observed. The family of AgroYeast preparations contains carefully designed, on the basis of research results, the compound fodder, intended for particular groups of animals.

Description of the main features of the products



**Saccharomyces cerevisiae 100%
inactive brewer's yeast**

Recommended for the farming of all types of animals:

- improvement of the animals' health,
- improvement of the hooves and cloven feet development,
- source of protein, vitamins and microelements,
- improvement of the animal's fertility,
- increase of taking and usage of fodder,
- increase of body weight gains in the rearing,
- increase in the immune status of farm animals,
- load reduction of mycotoxins in animal's fodder,
- adsorption of harmful microorganisms and their metabolites,
- source of vitamin B,
- formation of high-quality animal hair,
- optimization of digestion in rich in fibre substances diet,
- increase of animals' libido,
- reduction of digestive disorders,

Current research results concerning AgroYeast DSC yeast, indicate on positive differences in the production results of livestock breeding at all stages of their rearing and in particular a significant impact on health and welfare of domestic and fur-bearing animals.



**Brewer's yeast, recommended in
the breeding of all kinds of animals.**

Ingredients:

Saccharomyces cerevisiae fodder
and brewing yeast

Chemical composition:

Crude protein	42%
Crude fat	<6,0 %
Fibre	12 %
Ash	<8 %
Carbohydrates	11 %
Lysine	1,7 %
Methionine	0,7 %
Glutamic acid	6,1 %
Tryptophan	3,0 %
Threonine	1,3 %

Microelements content in 100g

Phosphorus	89 mg
Zinc	6,0 mg
Calcium	22 mg
Copper	38 mg
Potassium	71 mg
Magnesium	18 mg

Nutritional data in 100g:

Energy in kJ	1707
Energy in kcal	408
Protein	42,3g
Fat	2,2g
- including saturated fatty acids	1,6g
Carbohydrates	11,9g
- including sugar	7,9g
Fibre	4 g
Sodium	0,1g

Recommended dosage

Type of animal/per day	In the daily dosage of fodder
Calves	70 - 100 g
Dairy cows	125 - 250 g
Bulls	130 - 250 g
Horses	110 - 250 g
Boars	150 - 500 g
Sows	110 - 250 g
Domestic animals	1 - 3 %
Fur-bearing animals	1 - 3 %
Poultry	2 - 3 %
Fishes	1 - 3 %



Saccharomyces cerevisiae
Inactive fodder yeast

Recommended for cattle and swine breeding:

- improvement of the overall animals' health,
- improvement of the hooves and cloven feet development,
- source of protein, vitamins and microelements,
- improvement of the animal's fertility,
- increase of taking and usage of fodder,
- increase in milk production of cows,
- increase in weight gains in swine breeding,
- increase in the immune status of farm animals,
- load reduction of mycotoxins in animal's fodder,
- adsorption of harmful microorganisms and their metabolites,
- source of vitamin B,
- increase of animals' libido,
- reduction of digestive disorders,

Current results of research on Agro Yeast DP yeast, indicate on positive differences in production performance in cattle and swine breeding in relation to the control groups. The results arise from the positive impact of yeast cells on animals' organisms in all stages of rearing.



Saccharomyces cerevisiae fodder yeast
recommended for cattle and swine breeding.

Ingredients:

Saccharomyces cerevisiae
fodder yeast

Chemical composition:

Crude protein	42%
Crude fat	<6 %
Fibre	8 %
Ash	<8 %
Carbohydrates	1,9 %
Lysine	1,5 %
Methionine	0,7 %
Glutamic acid	6,3 %
Tryptophan	3,5 %
Threonine	1,2 %

Microelements content in 100g

Phosphorus	68 mg
Zinc	5,3 mg
Calcium	28 mg
Copper	23 mg
Potassium	51 mg
Magnesium	20 mg

Nutritional data in 100g:

Energy in kJ	1697
Energy in kcal	405
Protein	42,6g
Fat	3,2g
- including saturated fatty acids	2,5g
Carbohydrates	1,9g
- including sugar	1,6g
Fibre	8g
Sodium	0,3g

Recommended dosage

Type of animal/per day	In the daily dosage of fodder
Cielęta	70 - 100 g
Krowy mleczne	125 - 250 g
Buhaje	130 - 250 g
Konie	110 - 250 g
Knury	150 - 500 g
Maciory	110 - 250 g
Domestic animals	1 - 3 %
Fur-bearing animals	1 - 3 %
Poultry	2 - 3 %
Fishes	1 - 3 %



**Saccharomyces cerevisiae
inactive yeast with DDGS**

Product recommended in breeding of dairy and beef cattle, swine, sheep and fur-bearing animals:

- increase in the immune status of farm animals,
- load reduction of mycotoxins in animal's fodder,
- adsorption of harmful microorganisms and their metabolites,
- stabilization of the operation of farmed animals' gastrointestinal tract,
- source of vitamin B,
- the amount of somatic cells in milk decrease,
- positive impact on development and appearance of hair of fur-bearing animals,
- prevention of stomach and intestines diseases and supporting healing processes,
- increase of taking and usage of fodder,
- improvement of the animal's fertility,
- positive influence on udder health and development of cloven feet,
- preventive action with Mastitis, metritis and catarrh.

We are able to make available an electronic form of "The final report of the study" for the preparation of AgroYeast PE, justifying its application in order to achieve measurable economic benefits in animal husbandry, upon request.



**Supplementary fodder product
designed for all types of animals.**

Ingredients:

Saccharomyces cerevisiae
yeast combined with DDGS

Chemical composition:

Crude protein	40%
Crude fat	<6 %
Fibre	7 %
Ash	<8 %
Carbohydrates	1,9 %
Lysine	2,6 %
Methionine	0,7 %
Glutamic acid	9,6 %
Tryptophan	3,8 %
Threonine	1,5 %

Microelements content in 100g

Iron	33 mg
Zinc	4,5 mg
Calcium	26 mg
Copper	28 mg
Potassium	30 mg
Magnesium	23 mg

Nutritional data in 100g:

Energy in kJ	1702
Energy in kcal	407
Protein	39,3g
Fat	3,2g
- including saturated fatty acids	2,5g
Carbohydrates	1,9g
- including sugar	1,6g
Fibre	7g
Sodium	0,3g

Recommended dosage

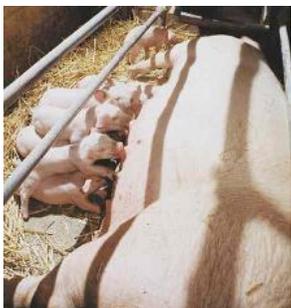
Type of animal/per day	In the daily dosage of fodder
Cielęta	70 - 100 g
Krowy mleczne	125 - 250 g
Buhaje	130 - 250 g
Konie	110 - 250 g
Knury	150 - 500 g
Maciory	110 - 250 g
Domestic animals	1 - 3 %
Fur-bearing animals	1 - 3 %
Poultry	2 - 3 %
Fishes	1 - 3 %

Inactive yeast containing apple fibre

Product recommended for swine breeding

- increase in the immune status of farm animals,
- load reduction of mycotoxins in animal's fodder,
- adsorption of harmful microorganisms and their metabolites,
- stabilization of the operation of the gastrointestinal tract of farmed animals,
- source of vitamin B,
- source of energy in the fodder,
- prevention of stomach and intestines diseases and supporting healing processes,
- prevention of diarrhoea,
- increase of taking and usage of fodder,
- limitation of piglet mortality,
- a positive impact on the development of cloven feet,
- prevention of mastitis and metritis

We are able to make available an electronic form of "The final report of the study" for the preparation of AgroYeast PA, justifying its application in order to achieve measurable economic benefits in animal husbandry, upon request.



Supplementary fodder product with the addition of apple fibre, recommended primarily for swine breeding.

Ingredients:

Saccharomyces cerevisiae
yeast combined with DDGS and apple fibre

Chemical composition:

Crude protein	37%
Crude fat	<10 %
Fibre	11 %
Ash	<8 %
Carbohydrates	1,9 %
Lysine	1,3 %
Methionine	0,7 %
Glutamic acid	7,4 %
Tryptophan	3,5 %
Threonine	1,4 %

Microelements content in 100g

Phosphorus	69 mg
Zinc	5,5 mg
Calcium	30 mg
Copper	29 mg
Potassium	59 mg
Magnesium	19 mg

Nutritional data in 100g:

Energy in kJ	1678
Energy in kcal	401
Protein	37,6g
Fat	8,1g
- including saturated fatty acids	5,9g
Carbohydrates	1,9g
- including sugar	1,6g
Fibre	11g
Sodium	0,3g

Recommended dosage

Type of animal/per day	In the daily dosage of fodder
Cielęta	70 - 100 g
Krowy mleczne	125 - 250 g
Buhaje	130 - 250 g
Konie	110 - 250 g
Knury	150 - 500 g
Maciory	110 - 250 g
Domestic animals	1 - 3 %
Fur-bearing animals	1 - 3 %
Poultry	2 - 3 %
Fishes	1 - 3 %

Symbiotic: active and inactive yeast

Product recommended in dairy and beef cattle breeding:

- stabilization of the rumen pH and reduce the risk of acidosis,
- stimulation of rumen microorganisms,
- stimulation of rumen enzymatic and cellulolytic activeness,
- improvement and maintenance of rumen anaerobic environment,
- increase of taking and usage of fodder,
- increase in milk production of cows,
- the amount of somatic cells in milk decrease,
- increase in the immune status of farm animals,
- load reduction of mycotoxins in animal's fodder,
- adsorption of harmful microorganisms and their metabolites,
- stabilization of the operation of the gastrointestinal tract of farmed animals,
- source of vitamin B,
- improvement of the animal's fertility,
- positive influence on udder health and development of cloven feet,
- preventive action with Mastitis, metritis and catarrh.

Current results of research on the formulation of AgroYeast PLC indicate a positive differences in production performance of cattle breeding and reproduction, compared to control groups. The results arise from the combined action of the living and the inactive yeast cells, so-called symbiotic effect, not occurring in other formulations available on the market.



Supplementary fodder product containing live yeast cells (rumen), recommended primarily in cattle breeding.

Ingredients:

Saccharomyces cerevisiae
yeast combined with
DDGS

Skład chemiczny:

Białko surowe	40%
Tłuszcz surowy	<6 %
Błonnik	8 %
Popiół	<8 %
Węglowodany	1,9 %
Lizyna	2,1 %
Metionina	0,6 %
Kwas glutaminowy	8,3 %
Tryptofan	3,6 %
Treonina	1,3 %

Microelements content in 100g

Phosphorus	67 mg
Zinc	5 mg
Calcium	29 mg
Copper	22 mg
Potassium	59 mg
Magnesium	20 mg

Nutritional data in 100g:

Energy in kJ	1732
Energy in kcal	414
Protein	40,6g
Fat	3,1g
- including saturated fatty acids	2,2g
Carbohydrates	1,9g
- including sugar	1,6g
Fibre	8g
Sodium	0,3g

The product contains 1×10^{11} CFU/kg of live yeast cells dedicated for ruminants (*Saccharomyces cerevisiae* CNCM I-1077).

Recommended dosage

Type of animal/per day

Calves	70 - 100 g
Dairy cows	125 - 250 g
Bulls	130 - 250 g

**Supplementing dietary mixture containing wheat bran,
added to fodder and recommended for cattle and swine breeding.**

Inactive fodder yeast with wheat bran

Product recommended for cattle and swine breeding:

- recommended for unhealthy animals nutrition,
- dietary preparation,
- improvement of the animals' health,
- female health improvement after delivery,
- source of protein, vitamins and microelements,
- increase of taking and usage of fodder,
- increase in milk production of cows,
- increase in weight gains in swine breeding,
- increase in the immune status of farm animals,
- load reduction of mycotoxins in animal's fodder,
- adsorption of harmful microorganisms and their metabolites,
- source of vitamin B,
- reduction of digestive disorders,

Current research results on the preparation AgroYeast PP indicate on positive effects especially for sick and required dietary nutrition animals. The results arise from the positive impact of yeast cells combined with wheat bran on animals' organisms.



Ingredients:

<i>Saccharomyces cerevisiae</i>
yeast combined with
wheat bran

Chemical composition:

Crude protein	44%
Crude fat	<6 %
Fibre	8 %
Ash	<8 %
Carbohydrates	1,8 %
Lysine	1,3 %
Methionine	0,5 %
Glutamic acid	5,1 %
Tryptophan	2,6 %
Threonine	1,0 %

Microelements content in 100g

Phosphorus	62 mg
Zinc	5,0 mg
Calcium	25 mg
Copper	20 mg
Potassium	52 mg
Magnesium	18 mg

Nutritional data in 100g:

Energy in kJ	1546
Energy in kcal	370
Protein	44,2g
Fat	3,0g
- including saturated fatty acids	2,1g
Carbohydrates	1,9g
- including sugar	1,6g
Fibre	8g
Sodium	0,3g

Recommended dosage

Type of animal/per day	In the daily dosage of fodder
Cielęta	70 - 100 g
Krowy mleczne	125 - 250 g
Buhaje	130 - 250 g
Konie	110 - 250 g
Knury	150 - 500 g
Maciory	110 - 250 g
Domestic animals	1 - 3 %
Fur-bearing animals	1 - 3 %
Poultry	2 - 3 %
Fishes	1 - 3 %

Our resources and technology

All resources used in the manufacture of our products come from reliable sources. Their quality ensures obtaining reproducible and customer-safe products. The developed production technology of formulations based on *Saccharomyces cerevisiae* yeast, provides obtainment of stable, free from microbiological, chemical and physical hazards material.

Saccharomyces cerevisiae brewer's yeast

Brewer's yeast come from breweries. Only natural ingredients such as malt, hops and water are used in the process of their grafting. Properties of brewer's yeast have been known for a long time and their positive influence on animals' organisms has been the subject of years of research. Their characterization is based not only on the amount of chemical components such as protein, microelements and vitamins, but also on the characteristics deriving from hops, such as immune-stimulating and antioxidant properties as well as their ability to bind mycotoxins in the gastrointestinal tract, which resulting from their specific construction. They are the most important component of our preparations.



Saccharomyces cerevisiae fodder yeast

Fodder yeast are manufactured by food alcohol producers. They are grafted on plant surfaces and a valuable source of vitamins, proteins and minerals. For these reasons, they are a valuable addition in all sorts of fodder compositions, for each type of livestock.

Saccharomyces cerevisiae live cells

Saccharomyces cerevisiae live yeast, CNCM I-1077 graft, dedicated for ruminants, has been developed by a leading, global manufacturer of yeast. In a special combination with other additives and inactive yeast we have received the symbiotic with positive influence on ruminants, especially during reproduction.

Hydrolysed DDGS

Hydrolysed DDGS is produced during a special process of concentration grain and corn mash, and then drying it at low temperature. It is also a source of highly digestible protein of a rich amino acid composition. Fibre contained therein is easily digestible. The material, as a supplement, assures obtaining a balanced product which is an energy source, and when combined with yeast, becomes a rich resource in the production of all kinds of fodder. DDGS, which is one of the components of our products, comes from the food alcohol distillery. Its production contains a high level of control which ensures a stable final product.



Quality control of AgroYeast products

In order to ensure the highest quality of our manufacturing, the company AS Trade received certificates in accordance with ISO 9001 and ISO 22000 standards. Before the introduction on the market, all the products are subject to detailed analyses conducted by leading Polish universities. The appropriate groups of animals are fed by directional mixtures for many months and the results obtained, in the form of scientific publications, are made available to our Customers. Our policy is not only the selling of finished products but also the full support in their application. Therefore, we are grateful for any information from the market, which is the basis for improving our services and products.

