

ALGODARFEED -
SEAWEEDS-BASED
FEED ADDITIVE.

OPTIMAL CHOICE
FOR PIG NUTRITION



ALGODARFEED: NATURAL FEED ADDITIVES FROM THE DEPTH OF THE WHITE SEA

Algodarfeed feed additive is an organic bioactive additive for pig diet. It is made with the brown alga *Fucus* harvested in the White Sea. It contains the entire range of vitamins (A, B1, B2, B3, B12, C, D3, E, K, F, H), rare micro elements (iodine, selenium, barium, zinc, magnesium, sulfur, and others), folic and pantothenic acid, polysaccharides, amino acids, polyunsaturated acids like Omega-3.

From the point of view of biochemistry, Algodarfeed is a source of bioorganic compounds of micro- and ultra micro elements in combination with substances that have prebiotic, sedative and immunomodulatory effects on the swine body.

Over a quarter of Algodarfeed mass is represented by concentrated biologically active and mineral substances exclusively in bioorganic form. They are as follows:

1. a complex of bioorganic forms of macro- and microelements which are up to 5 times more potent than the ones from traditional mineral sources. This includes bioavailable compounds of such microelements as iodine, manganese, cobalt, copper, iron, zinc, ultra micro elements - bromine, chromium, silicon, nickel, selenium as well as macro elements - calcium, phosphorus, magnesium, sulfur;
2. structurally specific crude fiber (dietary fiber), which is not digested either by the swine body or by microorganisms living in its gastrointestinal tract;
3. specific carbohydrates (poly- and oligosaccharides) providing metabolic modification.



Indicator	Unit of measure	Method	Value
Physical and chemical indicators			
Mass fraction of humidity	%	GOST P 54951-2012	6,2
Mass fraction of crude protein	%	GOST 13496.4-93 п.2	6,21± 0,22
Mass fraction of crude fat	%	GOST 13496.15-2016	1,4± 0,44
Mass fraction of crude fiber	%	GOST 31675-2012 п.7	9,9±1,4
Mass fraction of crude ash	%	GOST 32933-2014	24,4
Calcium content	g/kg	GOST 26570- 95 п.2	1,39
Phosphorus content	g/kg	GOST 26657- 97 п.4	0,03
Nutritional units in 1 kg	kcal	Computational method	2006
Metabolizable energy	MJ/kg	Computational method	8,71
Nitrogen-free extract (NFE)	%	Computational method	51,93
Mass fraction of sodium chloride	%	GOST 13496.1- 98	1,8
Carotene content	mg/kg	GOST 13496.17- 95	16
Vitamin content :			
Vitamin A	mg/kg	M- 02 - 1006 - 08	2,38±0,71
Vitamin A	IU/kg	Computational method	6918±2064
Microelements			
Iron	mg/kg	GOST 26573.2- 2014	137,00±32,33
Copper	mg/kg	MY 08/47-224	2,55±0,84
Iodine	mg/kg	MY 08/47-247	400±32
Cation content			
Potassium		M 04 - 65 - 2010	20,42±5,47
Sodium		M 04 - 65 - 2010	21,67± 4,33
Magnesium		M 04 - 65 - 2010	6,73±1,35

Anion content			
Chlorine		M 04 -73-2011	34,21± 5,47
Sulfate		M 04 -73-2011	58,11±9,30
Sulphates in terms of elementary medium		M 04 -73-2011	19,41
Amino acids content			
lysine	g/kg	M-02-902 -142-07	3,58±0,47
Methionine	g/kg	M-02-902 -142-07	1,53±0,18
Cystine	g/kg	M-02-902 -142-07	0,53±0,07
Methionine + cystine	g/kg	Computational method	2,06±0,25
Threonine	g/kg	M-02-902-142-07	2,06±0,25
Tryptophan	g/kg	ГОСТ 13496.21-2015	0,34±0,03
Arginine	g/kg	M-02 -902 -142-07	4,19± 0,59
Valine	g/kg	M-02 -902 -142-07	4,56±0,55
Histidine	g/kg	M-02 -902 -142-07	2,69±0,32
Glycine	g/kg	M-02 -902 -142-07	3,39±0,41
Isoleucine	g/kg	M-02 -902 -142-07	3,30±0,40
Leucine	g/kg	M-02 -902 -142-07	4,52±0,54
Phenylalanine	g/kg	M-02 -902 -142-07	3,73± 0,45
Tyrosine	g/kg	M-02 -902 -142-07	2,15±0,26
Phenylalanine + Tyrosine	g/kg	Computational method	5,88±0,71
Alanin	g/kg	M-02 -902 -142-07	4,27± 0,51
Aspartic acid	g/kg	M-02 -902 -142-07	16,81±2,19
Glutamic acid	g/kg	M-02 -902 -142-07	19,56±2,35
Serine	g/kg	M-02 -902 -142-07	3,42±0,41

ALGODARFEED IS INDISPENSABLE FOR PIG FARMING



By 2 to 7 days
pig fattening period shortened



By up to 4%
Protein content in swine meat increased



By up to 3%
Fat content in swine meat decreased



By up to 70%
Antibiotics use reduced

ACTIVE SUBSTANCES

Bioorganic forms of microelements in Algodarfeed are compounds of microelements with amino acids and polypeptides that are absolutely chemically inert. They do not interact with any nutrient and biologically active substances of swine compound feed during its preparation, storage and consumption by pigs. These compounds are digested by the pig body to the maximum. As a result, the input of chemical salts of microelements into the premix is reduced by 1/3, and the use of highly reactive iodide salts is excluded altogether. As a result of the eliminated chemical interactions of macro- and microelements in the premix, its effectiveness increases by 1.2 times.

Bromine

Bromine is an effective and absolutely safe sedative substance that compensates for any stress caused by pig farming technology (weaning piglets, regrouping, high premise temperature, technological noise, vaccinations, sanitation, etc.). While sedating, bromine does not affect the level of feed intake; the level of physical activity remains normal, and the productivity of pigs increases considerably.

Bromine noticeably reduces the risk of cannibalism in piglets after weaning and in the process of fattening.

Iodine

Iodine is required for the synthesis of thyroid hormones that affect pig productivity. Algodarfeed provides high quantities of iodine in an easily digestible organic form.

Chromium

Chromium is an ultra micro element that regulates the flow of insulin and glucose from the blood into the cells of the body by controlling the permeability of the cell walls.



Selenium

Selenium is the main antioxidant protection element which accelerates the utilization of free radicals and indirectly affects pig's immune system. There is enough selenium in Algodarfeed so no additional supply in the form of feed or injections is necessary.

Nickel

Algodarfeed contains a significant dose of nickel that is sufficient for activating hematopoiesis and improving the supply of oxygen to the cells of the pig's body. This ultra micro element preserves cell membranes during heat-caused stress and also balances the aggressive effect of the adrenaline hormone secreted in response to any stress kind. Acting in synergy with bromine, nickel effectively sedates and reduces stress in pigs.

Dietary fiber

Dietary fiber in Algodarfeed acts as a powerful prebiotic and multiplies the effect of probiotics, organic acids supplements, enzyme preparations by about 1.2-1.5 times. This is due to the fact that the dietary fiber is not digested either by the pig itself or by its intestinal microorganisms. The fiber acts as a substrate for the biochemical reactions and increases the contact area between substrate and additive and thus enhances and accelerates their effect. In addition to that, the dietary fiber of the feed additive normalizes intestinal motility. This not only enhances the parietal digestion and absorption of nutrients, but also inhibits the development of pathogens such as Escherichia coli, Salmonella, Klebsiella, Clostridia and other pathogens.

Polysaccharides

Alginates have a strong thickening and water-binding properties, they also offer the immunostimulating effect. Fucoidans are a group of sulfated polysaccharides known in particular for their anti-inflammatory and immunostimulating properties. Mannitol is a polysaccharide with pronounced osmotic properties that promotes diuresis and enhances the excretion of urate salts from the kidneys and ureters. Consequently, due to its carbohydrates' properties, Algodarfeed can be used to improve the strength of mixed feed granules, to prevent inflammatory processes in the internal organs of pigs and to stimulate their immune system.

Pantothenic and folic acid

When added to the diet of replacement gilts and breeding sows, Algodarfeed, due to its high content of pantothenic and folic acids, contributes to an increase in fertility and litter weight.

WE OFFER TWO TYPES OF ALGODARFEED

«Algodarfeed 1.2»



Production form: particles up to 2 mm

Mass fraction of crude protein 5,5%
Mass fraction of crude fiber 5,3%
Mass fraction of crude ash 19,6%






«Algodarfeed 1.4»



Production form: powder

Mass fraction of crude protein 5,4%
Mass fraction of crude fiber 5,5%
Mass fraction of crude ash 21,7%

RECOMMENDED USE

-  Algodarfeed can be used as a self-sufficient feed additive at a dosage of 0.01-0.2% of the total swine feed mass. This will improve swine innards state, chemical composition of blood, growth and development rate, survival rate of store pigs and promote excellent conformation and body composition.
-  Algodarfeed is useful for sows during transition period. It eases farrowing and increases sow lactation performance after farrowing.
-  To prevent savaging in piglets, the input rate of Algodarfeed can be increased to 0.1-0.2% of total feed mass. The compensatory reaction of decreased piglet activity appears in 3-5 days.
-  Algodarfeed is thermally stable and can be used in wet and dry feed.
-  Algodarfeed should be stored in a dry place at ambient temperature and used within 18 months from the date of manufacture.



Name		Net weight	Weight per pack	Price per kg	Storage conditions and shelf life
Algodarfeed 1.2		1 kg	25 kg	3,5 \$	At a temperature between 5°C and 25°C, without exposure to direct sunlight. Shelf life: 18 months
Algodarfeed 1.4		1 kg	25 kg	7,5 \$	At a temperature between 5°C and 25°C, without exposure to direct sunlight. Shelf life: 18 months

WE LOOK FORWARD TO OUR COOPERATION



Commercial department: +7 (8182) 45-70-29
hotline: +7 (800) 302-44-94



vodoroslionline.ru, algodar.ru



commerc@av1918.ru



163030 Arkhangelsk
328, Leningradsky Ave.

