



aqri^{Bio}ekoTex

BACK TO THE ROOTS



Azerbaijan **AqriBioEkoTex** Enterprise produces the products of biotechnology such as **BIOHUMUS, BIOMAX, FERMENTSTART, BACTOVIT, BIOBITPEST, TRICHO-GUARD, NITRO-FIX, BGS 1008-6, BIORG** which are important ones for our region and world wide for the time being. Ecological means and technologies of our enterprise, and biologically clean integrated products are the most important points for all of us.

AqriBioEkoTex is the first enterprise in Azerbaijan, which performs biotechnological production on a custom level. The technology of clean fertile soil, was applied for the first time in the practice of growing in production quantities. This technology not only makes the growing of ecologically clean and safe, but provides delivery of best quality products to the market in more quantity than standart simple growing. Nowadays our Enterprise has commercialized a process of vermicomposting –production of **BIOHUMUS** using red Californian worms and also fermentation of all types of animal manures and sawage sludges by special microbiology preparations.

We have had long experience in the market since 1987. Our “**AGRO**” Enterprise has shown itself as a safe partner and is remarkable for the high skill level of its specialists. In 2004 “**AGRO**” began selling of perspective ecologically clean agro-technologies.

Aim level and potentialities of realization of the strategic plans of developing determined the priorities for our group of specialists. **AqriBioEkoTex** Enterprise was established at the beginning of 2005. **AqriBioEkoTex** is ready to establish mutually beneficial cooperation and considers all the proposals relating to further developing of the business.

AqriBioEkoTex is the first step towards creation of powerful multitype biotechnological corporation producing all range of biologically active products and bioproduction.

AqriBioEkoTex's projects is one of the striking examples of how domestic enterprises can effectively develop with the state support and favorable investment climate in modern conditions of Azerbaijan and world wide. Ecologically clean domestic technologies of world level quality entered the market. **AqriBioEkoTex** is a united team, which every minute of its existence thinks about you and your requests, and offer you high quality products at the reasonable price.

I hope if you apply to us, we will be able to answer any of your questions and help to solve the yours agricultural problems for increasing the crop capacity of all farming standards.

Made in Azerbaijan

FOR THE PLANTS

Organic Fertilizer BIOHUMUS[®] *Organic complex fertilizer*

Organic Fertilizer BIOHUMUS - It is humus organic manure, main product cultivation of dung and it composts prepared from cow, or chicken, or horse manures or mixing all this manures with using our bio product **Fermentstart** (special symbiotic microorganisms). As result of biological process happening with **Fermentstart** nutrient dissoluble substance inaccessible for plants changes into soluble accessible for plants condition. Besides that, biohumus, bringing in soil gives it more granulate structure which helps to keep nutrient soluble substance in immediate proximity to root system. Stated structure of soil retains nutrient substance from washing away in lower stratum of ground. Owing to this big part of nutrient substance is used properly and it is less necessary than dung or mould.

Organic Fertilizer BIOHUMUS operation is based on two main connecting effects:

- **Organic Fertilizer BIOHUMUS** gives balance correlation to microelement, fast development of root system and initial stage of growth.
- Micro flora situated in **Organic Fertilizer BIOHUMUS** decomposes original components and it makes easy dissimilate substance of root system and it extends effective action of manure from all period of vegetation.

BIORG[®]

BIORG Fully Organic Substrate is specially designed for greenhouse farms. It is an organic mixture of **BIOHUMUS**, ferti soil, **BIOMAX**, **BACTOVIT** and special peat. Special peat was used to increase aeration in **BIORG Fully Organic Substrate** substrate.

All mentioned above ingredients were invented and patented by our company **AqriBioEcoTex LLC**.

The function of **BIORG Fully Organic Substrate** is based on two main connecting effects:

- **BIORG Fully Organic Substrate** gives balanced correlation of micro and macro elements, fast development of root system and initial stage of growth.
- **BIORG Fully Organic Substrate's** micro flora decomposes original components, it dissimilates substance easier for feeding a root system and it extends effective action during all period of vegetation.

Note: Collaborative use of **BIORG Fully Organic Substrate**, **BIOMAX**, **BACTOVIT** and **BIOBITPEST** liquid bio-products brings to the maximization of the final results.

Biomax[®]

Organic complex fertilizer

The biological conditioner of the soil and the stimulator of humic acid-based cures

BIOMAX is liquid product, special extract from **Organic Fertilizer Biohumus**. It consists of definite quantity of free amino acids. Average content of amino acids oscillate between $(4-6) \times 10^5$ g/l. content of humus acid in work solution composes 5 h/l. Humic substance is picked out from **Organic Fertilizer Biohumus**. **Biomax** differs from other preparations because humin substance concentration is increased in 10 times in addition many macroelements (N, P, K) and microelements (Ba, Ca, M, Mo, B, Zn, Fe, Mn, Cr) were brought in it. Biomax consists of all **Organic Fertilizer Biohumus** components in soluble and physiological active condition. Bactericidal and fungicidal properties cause bacteriostatic proteins secreted by microorganism tissue and probiotic secreted from **Fermentstart** during fermentation. Increasing of production of cultural plants happens in uproot cultivation, which can be explained by many influences of humin substances to physico-biochemical processes of agricultural cultures.

Bio-bitpest[®]

Bio-bitpest is ORGANIC LIQUID PESTICIDE, bio-active pesticidal composition for the destruction of insects. It is special **Bio pesticide** liquid formula.

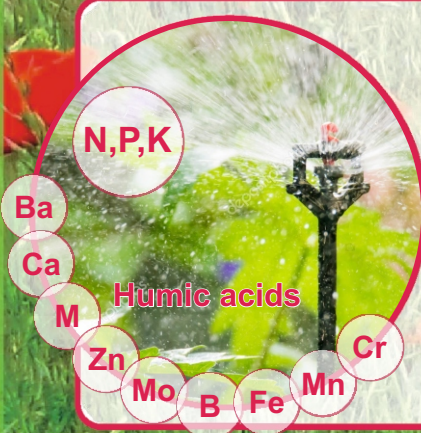
Bio-bitpest is a water soluble, high quality pesticidal composition for the destruction of pests. Can be applied for agricultural and horticultural plants, fruit trees, ornamental plants. It is a Bio pesticide liquid formula. **Bio-bitpest** is produced from natural products with the addition of a balanced amount of microorganisms. Compatible with all chemicals and fertilizers used in agriculture. Approved for use in organic production.

Product benefits

- ▶ Significantly increases protection.
- ▶ Stimulates the growth of plants by biological protection.
- ▶ Improves quality of plants
- ▶ Stimulates plant enzymes
- ▶ Improves the appearance of plants
- ▶ Increases the efficiency of fertilizer
- ▶ Obtain ecological clean Bio products

Composition: wine vinegar, alcohol, sugar, water.

ORGANIC PREPARATES



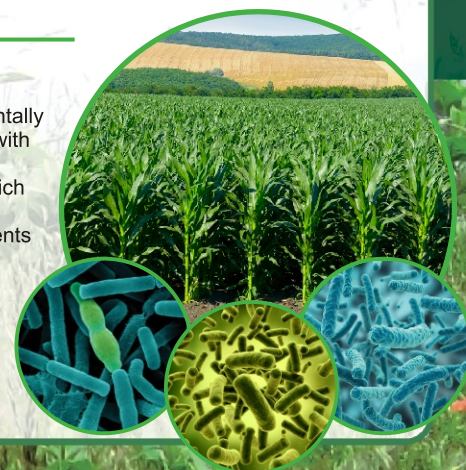
BactoVit[®]

Microbiological fertilizer, stimulant of productivity of land, bioinoculant

BACTOVIT is the Bio-active growth stimulant and soil conditioner, is an all-natural, environmentally safe liquid microbiological concentrate, is a ready made product, which only has to be diluted with water. **BACTOVIT** consists of a mixture of probiotic micro-organisms which increases yield significantly. It improves soil health by stimulating and feeding native microbial life in the soil which creates a higher yielding crop. When probiotic microorganism cultures are applied to soil, they stimulate the decomposition of organic wastes and residues, thereby releasing inorganic nutrients for plant uptake. It can be used for soil and foliar application. Approved for use in organic **BIO** cultivation.

Characteristics: Photosynthetic bacteria, fermenting bacteria, lactic acid bacteria, yeast and actinomycetes.

Ingredients: Probiotic microorganisms, sugar syrup, water.



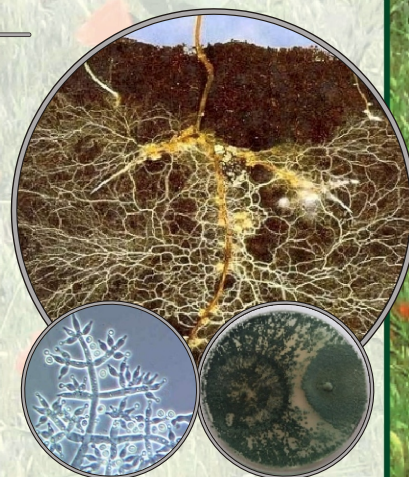
Tricho-Guard[®]

Tricho-Guard is a specially grown spores of the fungus *Trichoderma harzianum*, *Trichoderma viride*, *Trichoderma lignorum*.

The spores of this fungus secrete active bio-substances that have high biological activity and due to this they participate in the decomposition of organic substances enriching the soil. It plays an important role in the decomposition of ammonium and nitrite, enriches the soil with phosphorus and calcium. And the bioactive substances secreted by these mushrooms accelerate the growth of plants and their fruits by protecting them from various diseases. Spores are biologically active in groundwater and act as an adversary of bacteria and other fungi that infect plants. Fungal spores secrete substances that are necessary for normal plant growth. They generate various processes of soil bioregulation.

EFFECTIVENESS AGAINST DISEASES:

Alternaria, *Anthraxnose*, *Bacterial Fetus Cancer*, *White and gray rot (fomozy)*, *Kela cabbage*, *Peach Curl*, *Mealy dew (oidium)*, *Fruit scab*, *Rhizoctoniosis*, *Perinosporosis (mildew, downy mildew)*, *Phytophthalosis of potatoes and tomatoes*, *Fusarium*, *Black leg seedlings and other root rot*



Nitro-Fix[®]

Nitro-Fix is a specially grown type of nitrogen fixing bacteria *Azotobacter chroococcum* and *Azotobacter vinelandii*. This type of bacterium, as a result of a nitrogen oxidation process, allows the gaseous nitrogen (N) to dissolve in a soluble form suitable for sealing. The presenters of this kind are present in the water, in neutral and alkaline soils. **Nitro-Fix** plays a crucial role in the nitrogen cycle in the nature. It binds atmospheric nitrogen, which is inaccessible to plants, and releases bound nitrogen in the form of ammonium ions into the soil.

EFFECTIVENESS AGAINST MUSHROOMS: *Alternaria sp.*, *Pythium de Baryanum*, *Fusarium oxysporum*, *Fusarium vasinfectum*, *Fusarium moniliforme*, *Fusarium lini*, *Cladosporium sp.*, *Scolecotrychum sp.*, *Helmintosporium sativum*,;

EFFICIENCY AGAINST BACTERIA:

Rhizoctonia sp., *Puccinia trititica*, *Septoria graminum*, *Actinomyces sp.*



Fermentstart[®]

Fermentstart - is a uniquely modified complex of beneficial special symbiotic microorganisms (lacto-bacteria, bifidobacteria, mesophilic bacteria, yeast) intended for accelerated fermentation of various organic wastes and fast preparation of high-quality organic compost/fertilizer for all types of soil. The drug is also modified to destroy unpleasant odors inside livestock farms and drain holes.

Fermentstart is a microbiological preparation suitable for accelerating the biological decomposition of stubble residues (stubble, stems, etc.) in the crop production of field and other kinds of crops.

Fermentstart, in cooperation with soil bacteria, helps to turn cellulose-rich plant residues into a valuable nutrient environment with a high content of humus for short-term purposes. Nutrient components contained in humus (soil phosphorus, potassium, microelements) create a reserve for the development of plants in the next season which ensures the necessary intake of nutrients, even with reduced application of traditional fertilizers. Long-term use of the drug loosens the dense soil, improves its air and water exchange and facilitates its processing.

Ingredients: a complex of special beneficial symbiotic microorganisms, sugar syrup, water



BIOGAS

BGS 1008-6

BGS 1008-6 is a microbiological product, specially designed for use in equipment for biogas production. The configuration of the microorganisms inside **BGS 1008-6** provides the benefit of rapid acceleration of the **BIOLOGICAL GAS** and in the end - organic fertilizer.

BGS 1008-6 is a biologically active product that contains the complex of beneficial special symbiotic microorganisms.

The application of the product improves and increases the productivity of biogas up to 15%. Thus, **BGS 1008-6** is a preparation that makes it possible to obtain more of biogas (up to 15%) or decreases the use of raw materials to produce it. At the end of the process, we get a quality fermented organic fertilizer which can be added to the agricultural fields.

Benefits in comparison with the traditional known process:

- more biogas;
- less raw materials for biogas production;
- get a quality ecologically clean fermented organic fertilizer;
- economy and ecological process;

The product is not toxic for humans, animals, bugs, bees and etc.. Has no side effects. No restrictions for use.

Composition: Special symbiotic microorganisms, sugar and non-chlorinated water.



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