



**We turn the desert into an
OASIS!!!**

“AGRIBIOEKOTEX” LLC





About Azerbaijan

- ✔ **Establishment** - 28 May 1918
- ✔ **Independence** - 18 October 1991 (II republic)
- ✔ **Capital:** Baku
- ✔ **Language:** Azerbaijani
- ✔ **Currency:** New Azerbaijani Manat (AZN)
- ✔ **Oil& Gas sector is the biggest part of economy**



About Azerbaijan



✓ Territory:

86.6 thsd. square km, (11.5% forests, 1.6% water surface, 50% agricultural lands, of which 27% pastures, 36.9% other lands). The territory also includes Azerbaijani sector of the Caspian Sea. The country is situated between 44° and 52° of east longitude, 38° and 42° of north latitude, Baku is located in 40° parallel.



Ali Ali-zada





Company of the 2010 Year





Company of the 2013 Year





ABOUT US

“AGRIBIOEKOTEX” LLC

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 perspective ecologically clean agro-technologies.

AgriBioEkoTex Enterprise produces not only very famous sorts of tomato and cucumber in the market, but products of biotechnology such as BIOHUMUS, BIOMAX, ANTINEMATOD-BIO, BIO AS-5M which are new ones for our region 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.



AGRIBIOEKOTEX`S MISSION

AgriBioEkoTex's Mission is:

- **to become the best agricultural enterprise of Azerbaijan in the field of production and grow of the products using ecologically clean way and products guaranteeing this;**
- **to provide development of modern biotechnology;**
- **to take care of manpower and clients.**



OUR PRODUCTS

✓ BIOHUMUS

✓ BIOMAKS

✓ ANTINEMATOD-BIO

✓ BIO AS-5M



BIOHUMUS

- ✓ It is humus organic manure, main product cultivation of dung and it composts with passed cultivation in worms organism. As result of biological reorganization happening in worms intestine 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 property and it is less necessary than dung or mould.





Californian Worms





Composting Start







“BIOHUMUS” operation is based on two main connecting effects:

- ✓ **“BIOHUMUS” gives balance correlation to microelement, fast development of root system and initial stage of growth.**
- ✓ **Micro flora situated in “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.**

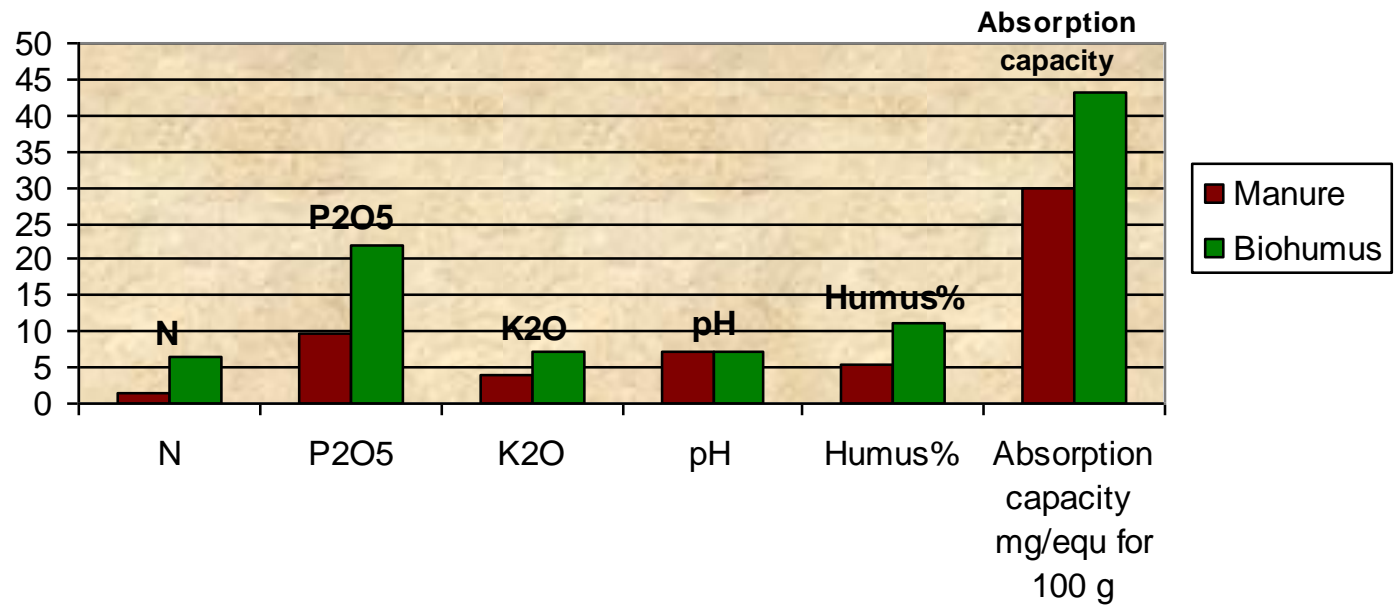
The main quality of “BIOHUMUS” consists of content of “BIOHUMUS” which is better than dung in 10-15 times. “BIOHUMUS” doesn’t only substitute dung. It also has big water capacity, perceptibility to water, mechanical durability, granulation (granules have very high durability), a lot of useful micro flora, different ferments, soil antibiotics, vitamins, hormones of growth.

It is important that “BIOHUMUS” quantity of nitrates decreases in 8-10 times, in crease productivity and improves firmness to diseases and to pests (immunity improves), taste of vegetables and fruits is mode better, increase terms of keeping.

The reason of degreasing nitrates quantity is because of useful soil-formed microorganism is increased, which is connected with surplus moving nitrates. That’s why it supports entrance of nitrogen on nature level.



Comparison of Biohumus & Manure





TABLES FOR COMPARISON

BIOHUMUS	Chemical fertilisers and manure
Plants produce ecologically pure food when cultivated with biohumus	In food production made by means of chemical fertilizers or manure possesses from 2 to 55 times more nitrates
Does not pollute environment	Chemical fertilisers pollute soil, air and water
Restores soils	Does not restore soils, but visa versa destroys it
Safe in any concentration for plants	Chemical fertilisers and manure could burn plants
Extracts easily absorbed nutrients for plants	Nutrients did not disassociate up to stage that is needed plants to digest them
Possesses long term effect, nutrients are disengaged complying with the needs of any plant	Many of chemical fertilisers are quickly lost in soil
Supports humidity keeping of soil, allows drainage in case of the exceeding watering	Does not do
Makes better soil ventilation	Does not do
Possesses high concentration of useful microorganisms	Does not possess
Makes plants resistant to and illnesses	Does not do
Does not have any scent	Has scent



✓	1. Scent	None	
✓	2. Colour	Dark brown, brown	
✓	3. Humidity, %	46	
✓	4. Organic substances %	70	
✓	5. Ash, %	30	
✓	6. pH	7.2	
✓	7. Nitrogen, total:		
✓	- in dry substance, %	2.4	- in natural humidity, %
	1.12		
✓	8. Phosphor, total:		
✓	- in dry substance, %	1.1	
✓	- in natural humidity, %		0.59
✓	9. Potassium, total:		
✓	- in dry substance, %	1.5	
✓	- in natural humidity, %		0.81
✓	10. C/N normal:	18	
✓	11. Phosphate (P2O5), %	0.79	
✓	12. Magnesium oxide (MgO), %		0.80
✓	13. Calcium оксид (CaO), %	4.63	
✓	14. Potassium dioxide (K2O), %		0.97
✓	15. Cadmium (Cd), mg/kg	0.5	
✓	16. Chrome (Cr), mg/kg	15	
✓	17. Copper (Cu), mg/kg	16	
✓	18. Nickle (Ni), mg/kg	9	
✓	19. Lead (Pb), mg/kg	5	
✓	20. Zinc (Zn), mg/kg	61	
✓	21. Mercury, mg/kg	0.12	
✓	22. Microflora, colonies/gramme		2.4*106
✓	23. E.coli, in 1 g	zero, have not been identified	
✓	24. Salmonelles, in 50 g	zero, have not been identified	
✓	25. Antrax, in 1 g	zero, have not been identified	











BIOHUMUS use effects

- ✔ **More than 4 times increase of grow-through energy and more than 40% increase of seeds off-springs; reduces expenditures on seeds;**
- ✔ **10-15 days earlier seedlings development – reduction of expenditure and earlier planting of improved young trees;**
- ✔ **10-14 days earlier begins production of vegetables – more earlier sales on the market with high prices and reduced energetic expenditures in warm houses;**
- ✔ **40% and more increase of harvests – increase of profits**



BIOMAKS

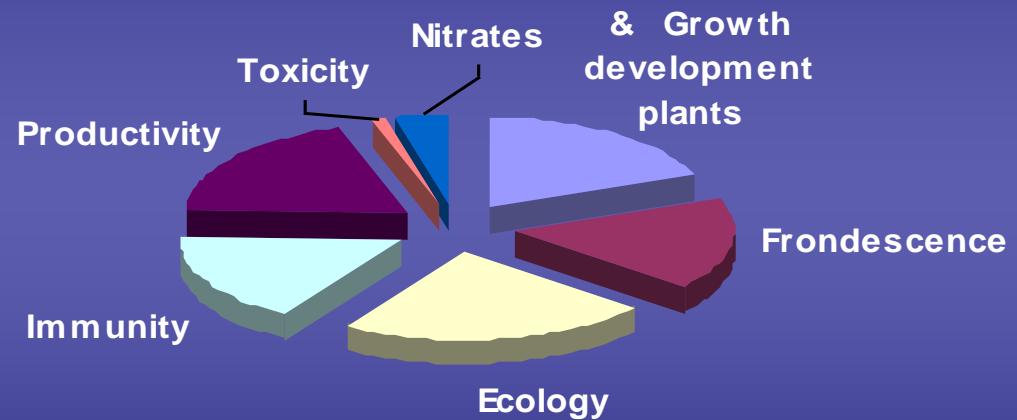
"BIOMAX" preparation is product of worm and soil microorganisms. It consists of definite quantity of free amino acids. Average content of amino acids oscillate between /44-61/x 10 in 5th degree g/l. content of humus acid in work solution composes 5 h/l. Humin substance is picked out from vermicompost. Biomax differs from other preparations because humin substance concentration is increased in 10 times in addition many microelements (N, P, K) and macro elements (Mg, S, Fe, B, Mn, Cu, Mo, Zn) were brought in it. Biomax consists of all vermicompost components in soluble and physiological active condition. Bactericidal and fungicidal properties stipulate for bacterio-statical proteins picked out by rain worms tissue and antibiotic picked out by saprophyte micro flora of rainy worms intestine in process of vermicompostroton. Increasing of production of cultural plants happens in uproot cultivation, which can be explained by many influences of humin substances to physic-biochemical processes of agricultural cultures.





Influence of BIOMAX on plants growth and soil

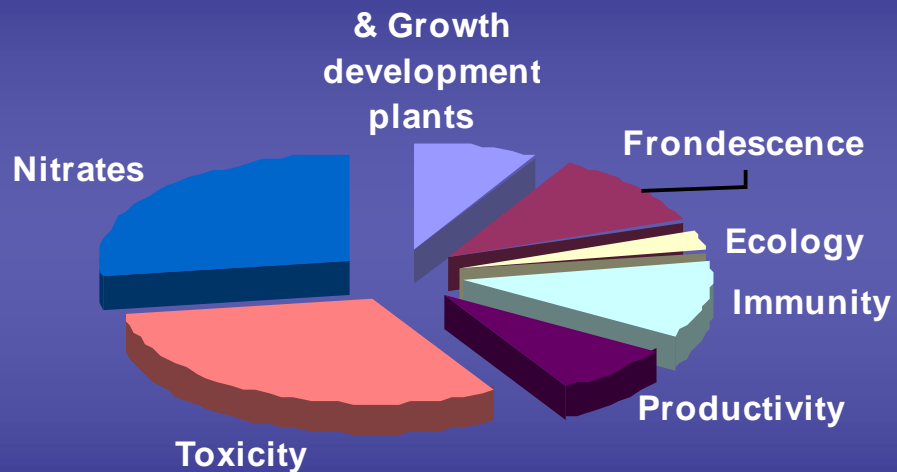
BIOMAX





Influence of other liquid fertilizers on plants growth and soil

Other liquid fertilizers





Chemical analysis

(Report No Bak.WL 0179/04)

(conducted by international company Intertek Caleb Brett is produced in table)

<i>Nº</i>	<i>Test</i>	<i>Result</i>	<i>Method</i>
1	<i>Phosphorus, P gr/l</i>	<i>2,2</i>	<i>AAS</i>
2	<i>Potassium, K, gr/l</i>	<i>2.1</i>	<i>AAS</i>
3	<i>Barium, Ba, mg/kg</i>	<i>4,7</i>	<i>AAS</i>
4	<i>Copper, Cu, mg/kg</i>	<i>2,6</i>	<i>AAS</i>
5	<i>Molybdenum, Mo, mg/kg</i>	<i>0,28</i>	<i>AAS</i>
6	<i>Zink, Zn, mg/kg</i>	<i>2,84</i>	<i>AAS</i>
7	<i>Iron, Fe, mg/kg</i>	<i>26,4</i>	<i>AAS</i>
8	<i>Manganese, Mn, mg/kg</i>	<i>0,39</i>	<i>AAS</i>
9	<i>Total Nitrogen, g/l</i>	<i>1,9</i>	<i>Microcoulometer</i>



Rate of "BIOMAX" cultivation compose

- ✓ For cereals cultures in phase of bushing out at the beginning of earing 8-15 l/h
- ✓ For water-melons, vegetables and legumes cultures 3-5 l/h
- ✓ For cotton 8-15 l/h
- ✓ For fruit-berries, citrus 5-10 l/h
- ✓ For treatment of seeds 0,6 l/h
- ✓ For flowers growing 3-3 l/h



BIOMAKS use effects

- ✔ **Increases seeds sprouting (energy of seeds growth);**
- ✔ **Stipulates powerful roots formation of plants;**
- ✔ **Promotes to fast cutting;**
- ✔ **Stimulates growth and accelerate plants development;**
- ✔ **Increases plants immunity to different diseases;**
- ✔ **Decreases nitrate contain chemical weed-killers in 8-10 times;**
- ✔ **Prevents plants from heavy metals and radionuclide;**
- ✔ **Increases contents of sugar, proteins and vitamins in fruits and vegetables;**
- ✔ **Remove chlorine and stimulate development, flowering of rooms plants.**





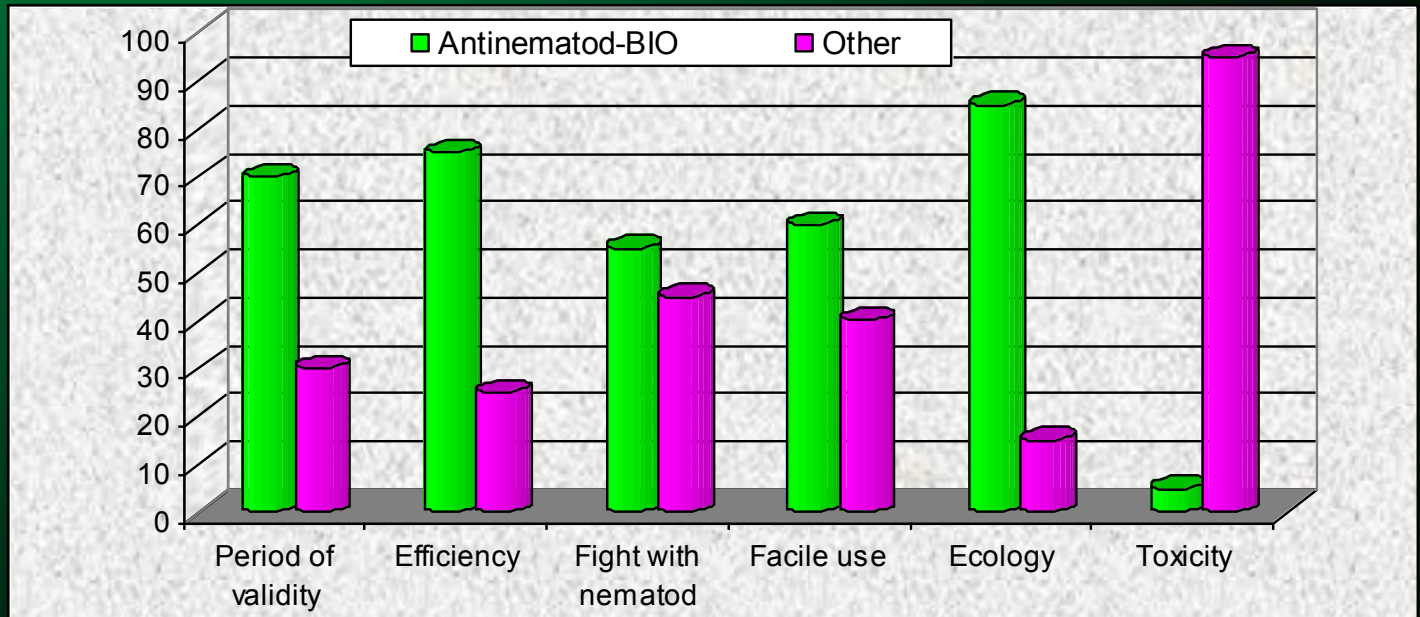
ANTINEMATOD-BIO

Eelworm are filiform microscopic small worms. These worms are able to penetrate inside plants through roots. Eelworms partially live in substratum, and partially – inside of roots. Eelworm's disutility is that they stick shell of plant cells by their piercing mouthparts and suck out contents of plants. It causes delay and, then, stopping of growth of roots and stems. "Antinematod-BIO ("Anti-eelworm BIO") biological preparation offered by us differs from analogical preparations as well as chemical preparations by that Lactic Acid Bacteria, leaven as well as Filamentos Fingi type bacteria have been used as germ culture for solution of the preparation.



Effects of **ANTINEMATOD**

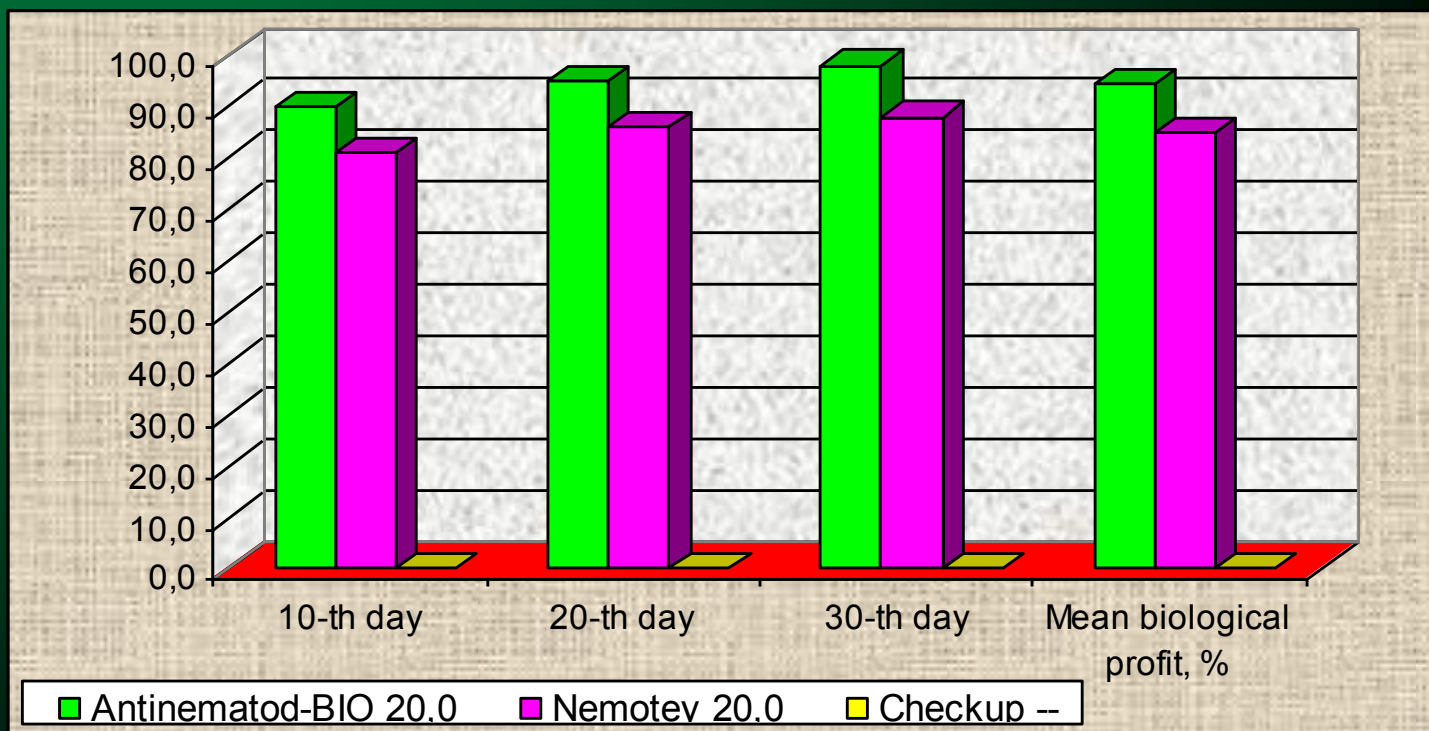
Percentage diagram





Daily using of preparation for biological profit, %

Percentage diagram





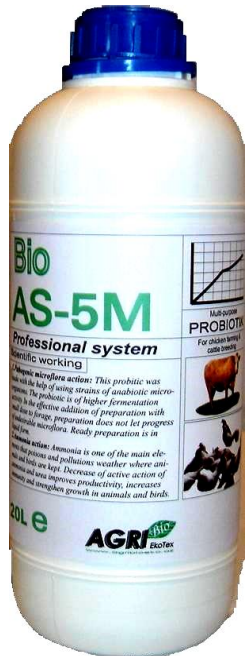
TABLES FOR COMPARISON

Name of preparation	Norm (L/1000 kv.m.)	10-th day	20-th day	30-th day	Mean biological profit, %
Antinematod -BIO	20	90	95	98	94.3
Nemotey	20	81	86	88	85
Checkup	—	0	0	0	0



ANTINEMATOD use effects

- ✓ **These bacteria synthesize useful substances from the root discharge of plants, organic substances and poison gases by use of sunlight and warm of the soil as energy source.**
- ✓ **Lactic acid is the strong sterilizer. It suppresses harmful microorganisms and strengths decomposition of organic substances. Lactic acid bacteria may suppress distribution of harmful microorganisms casing various diseases of plants. Increasing number of pathogenic germs weakens plants that causes eelworm outbreak. The number of eelworms begins to decrease as "Antinematod-BIO" offered is used.**



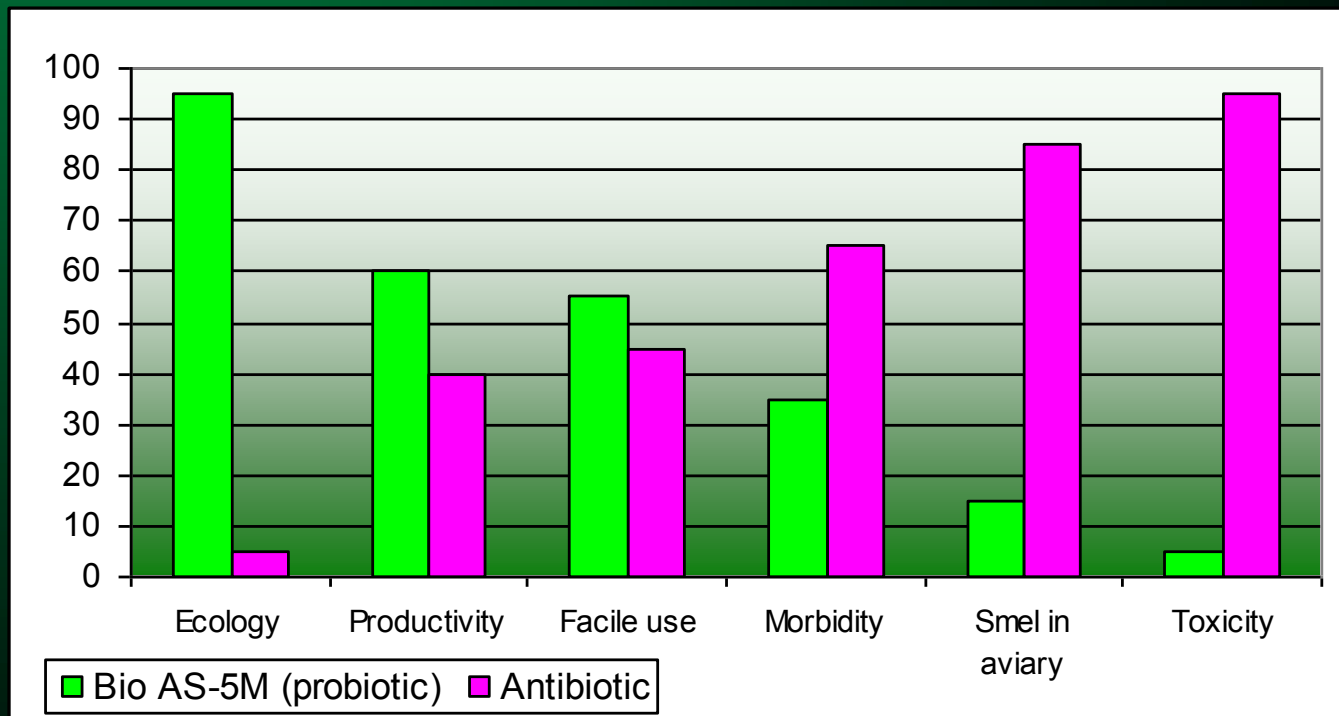
BIO AS-5M

- ✓ Principle of replacement of adverse bacteria (pathogenic and opportunistic pathogenic ones) with competing beneficent bacteria is known as probiotics principle.
- ✓ BIO AS-5M-prebiotic, while getting into gastrointestinal tract, is lessening the negative impact of pathogenic microflora



Effects of Bio AS-5M

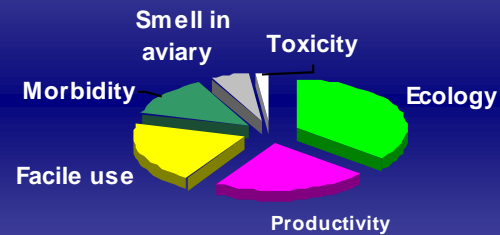
Percentage diagram



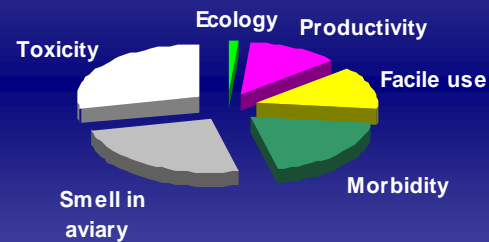


Comparison of Bio AS-5M (probiotic) & Antibiotic

Bio AS-5M (probiotic)



Antibiotic





BIO AS-5M

use effects

- ✔ **Quickly suppresses vital activity of the wide range of pathogenic and opportunistic pathogenic microorganisms without any disorders in normal intestinal micro flora;**
- ✔ **Considerably catalyzes immune processes for account of synthesis intensification of immunoglobulin, lysozyme, interferon, macro-phages, lymphoid structures;**
- ✔ **Normalizes metabolism**
- ✔ **Synthesizes natural antibiotics**
- ✔ **Stimulates regeneration processes in organism**



PHOTOGALLERY





PHOTOGALLERY





PHOTOGALLERY





BUSINESS PROPOSAL

AgriBioEkoTex is ready to establish mutually beneficial cooperation and considers all the proposals relating to further developing of the business.

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



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