



HARVEST XXI

**Manufacturer of
organo-mineral fertilizers**

*Since 2005 on the
market of plant protection products*



CONTENT

TOPICS

- Brief history of the company
- Goals
- Growth biostimulator ZHUSS Argentum Agro
- The advantages of medicine testing results
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ABOUT US

Harvest XXI company operates in the agricultural market Russia since 2005.

Our specialists have accumulated a lot of experience:

- In the field of plant protection
- Cultivation of agricultural crops
- Production of modern effective fertilizers for leaf processing and seed material etching

The volume of investments in improving the production base, production technologies and training of employees exceeded 2 million US dollars (2020).

The company has 4000 hectares of territory in the Rostov region, where various crops are grown, tests and testing of the latest developments of our specialists are carried out on experimental plots.

The production line consists of 25 medicines **ZHUSS (Liquid Fertilizer Stimulating Composition)** is necessary for correction of the nutrition of agricultural crops..



OUR TARGET . . .

SOME PROBLEM IN THE MODERN AGRICULTURE

The rapid growth of the world's population (from 1 billion people in 1825 to 6-6.5 billion by 2000 and up to 7.2 billion in the next 25 years) sharply raises the question of meeting the needs of humanity in agricultural products.

The use of pesticides, in particular fungicides, is considered as the most important direction to prevent crop losses.

Using the pesticides not only pollutes the soil, but also negatively affects the entire eco-culture of the planet, and the health of the person himself.





...REDUCING OF USING THE FUNGICIDES



One of the problems associated with pathogens, our company offers to solve with the help of the medicine **ZHUSS Argentum Agro**, which reduces the use of fungicides by 50-70%

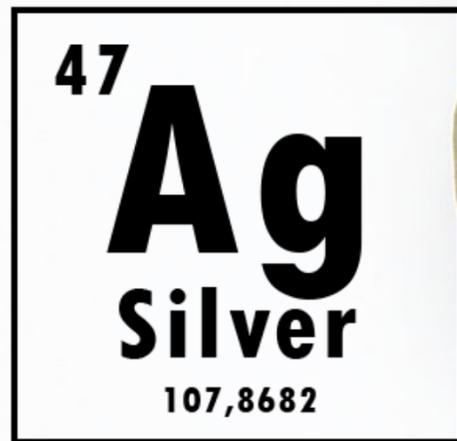


ZHUSS ARGENTUM AGRO

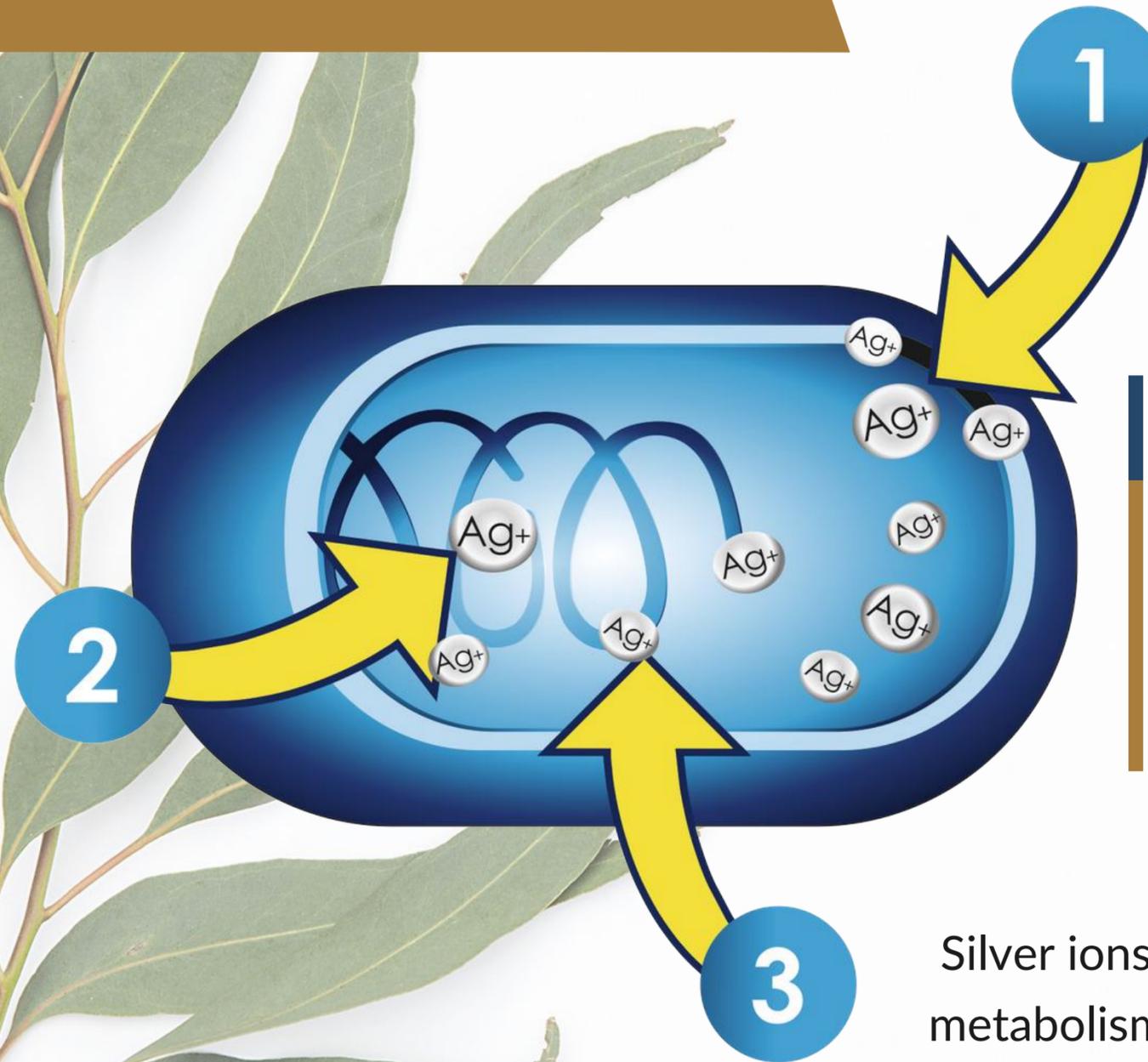
Concentrated solution of ionic silver 200 mg/l.

- It is intended for the prevention and treatment of bacterial, fungal, viral diseases of cultivated plants, as well as for the treatment of seed material before sowing
- Reduces the cost of using chemicals
- Works on open and closed ground
- It has no restrictions on the terms of use
- Increases the yield of agricultural crops from 8% on cereals and up to 30% on vegetables and fruit and berry crops
- Harmless to bees and humans (subject to the recommended application rates of 0.25-0.8 l / ha.)

ACTION OF SILVER IONS



Silver ions attack the DNA of bacteria and prevent them from cell division



1 Silver ions penetrate the cell wall of the bacterium

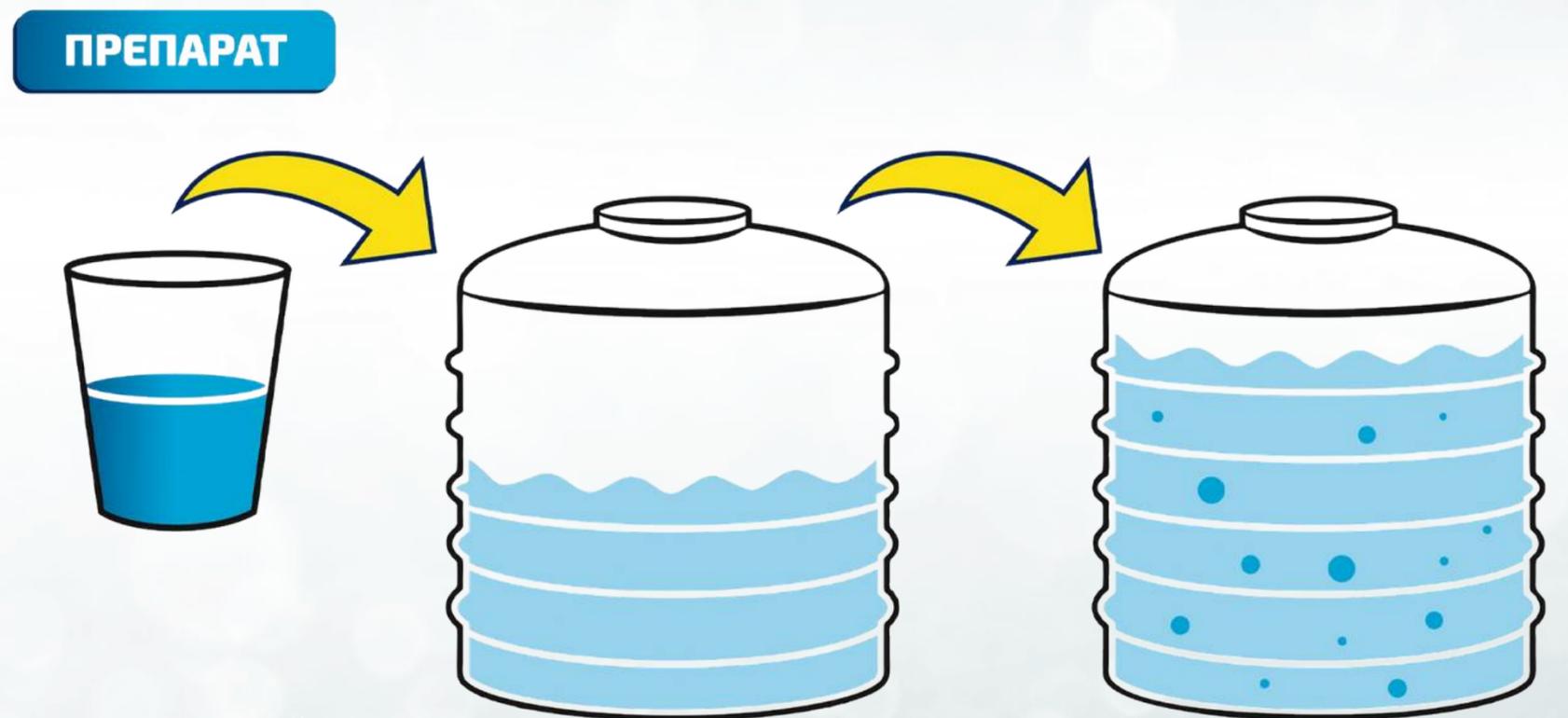
Argentum Agro is the diffusion of the active substance through the cell wall and membrane of phytopathogenic microorganisms, suppressing their reproduction. Silver ions are fixed and retained on the cell walls of phytopathogenic microorganisms.

3 Silver ions disrupt the metabolism of bacteria

PREPARATION

The solution is prepared immediately before processing

- Measure the required amount of the medicine for one filling of the sprayer.
- Fill the tank about half full of water, then add the medicine.
- Mixing the working solution is brought to the required volume with water.
- The prepared solution must be developed no later than 4 hours.



ACTION ON CULTURES

- Silver ions in the composition of Argentum Agro, acting ruinously on bacteria, which are many in the soil and water, facilitate the germination process of the seed embryo.
- It is not necessary to spend strength on fighting bacteria, the cells of the embryo divide and grow faster.
- Silver ions effectively inhibit the biosynthesis of ethylene, which regulates plant processes under stress, aging (maturation).



Seed germination (the beginning of growth)

Vegetative growth

Flowering and fruit setting

Fruiting and preparation for winter



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To date, the use of silver (Ag) in agriculture is not sufficiently developed.

This is due to a variety of reasons, but since ancient times, mankind has known the antiseptic properties of silver, and its powerful bactericidal effect.

Therefore, our company has developed the composition of the preparation **Argentum Agro** for processing cultivated plants on the leaf, and stimulating their growth, due to the fact that the plant does not spend energy on fighting diseases, but only uses it for a positive result.

The maximum effect is achieved when etching the seed material and leaf treatments.



ZHUSS GUMIX

- Gumix is an organic humic fertilizer in chelated form. This preparation makes it easier for plants to access the following useful elements: Nitrogen, Phosphorus, Potassium, Calcium, Silicon, Iron, Magnesium, Copper, Molybdenum, Manganese, Zinc, Boron, Sodium, Cobalt, Sulfur and Selenium.
- In addition, the composition includes products of the vital activity of California worms, symbiotic fungi, as well as biologically active substances: gibbirelines, auxins, folic acid, humic acid.
- It should be noted that these biologically active substances contribute to the maximum absorption of macro-and microelements due to synergy.
- Thus, Gumix is a plant growth stimulator, an antidote, an anti-stress agent, as well as a soil activator.

TESTS AND RESULTS

OSTROGOZHSKSADPITOMNIK

- 
- Apple and pear orchards, strawberries.
 - 100% no scab
 - 100% no bacteriosis
 - Increase in yield by 67%
 - On strawberries, 100% protection from fusarium and atracnose

LLC ROSTOV

- 
- Agro-industrial group of companies
 - An increase in the yield of winter wheat of 0.44 c / ha., with the complete rejection of chemical fungicides
 - Savings on sheet processing - 19.5 euros per hectare.

FSBI OF RUSSIAN AGRICULTURAL CENTER FOR THE ROSTOV REGION

- 
- The yield of winter wheat gave an increase of 5c/ha, which was 9.9% of the average yield

LLC AGROFIRMA AGROSAKHAR-3

- 
- Sugar beet-an increase of 17.17 c.
 - The increase of sugar content of 1.54%

REWARD AND ACHIEVEMENTS



СОЮЗ
ОРГАНИЧЕСКОГО
ЗЕМЛЕДЕЛИЯ



SAFETY DATA SHEET
Argentum Agro



DATE: 20 March 2020
 Version: 1.0

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier
 Product Name: Argentum Agro
 Product code: 310590

1.2 Relevant identified uses of the substance or mixture and uses advised against
 Identified Use(s): To prevent and strengthen the immunity of all cultivated plants, as well as initial (processed) seed material.
 Uses Advised Against: Professional use and consumer use in agriculture.
 None known.

1.3 Details of the supplier of the safety data sheet
 Company Identification: LLC «Urozhay XXI»
 346883, Bataysk, Vostochnoeshosse, 14, №41,42, Russia
www.urozhayxxi.com
 Telephone: +78002228807 / +79885484094
 E-Mail (competent person): info@urozhayxxi.com

1.4 Emergency telephone number
 Emergency Phone No.: +79885484094
 Languages spoken: Russian
 Office hours: 24 hour(s)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
 2.1.1 Regulation (EC) No. 1272/2008 (CLP): Aquatic Chronic 3; H412

2.2 Label elements
 According to Regulation (EC) No. 1272/2008 (CLP)

Product Name: Argentum Agro
 Contains: Not applicable

Hazard Pictogram(s): None assigned
 Signal Word(s): None assigned.
 Hazard Statement(s): H412: Harmful to aquatic life with long lasting effects.
 Precautionary Statement(s): P103: Read label before use.
 P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P273: Avoid release to the environment.
 P391: Collect spillage.
 P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Not applicable

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LCC «Urozhay XXI» 346883, Russia, Bataysk, Vostochnoe shosse, 14, №41,42,
 Tel.: +79885484094, E-mail: info@urozhayxxi.com, www.urozhayxxi.com

DECLARATION OF CONFORMITY
 №001 /20 - Argentum Agro

- Product type:
 Plant biostimulant **Argentum Agro**, product code: 310590
- Name and address of the manufacturer:
 LCC «Urozhay XXI»
 346883, Russia, Bataysk,
 Vostochnoe shosse, 14, №41,42
- This EU declaration of conformity is issued under the sole responsibility of the manufacturer mentioned above.
- Object of the declaration:
 Plant biostimulant **Argentum Agro** is intended to strengthen the immunity of plants, increase productivity and product quality, as well as to stimulate growth and unlock the potential of plants.
- The object of the declaration described above is in conformity with:
DIRECTIVE 2001/95/EC ON GENERAL PRODUCT SAFETY
- References to the relevant harmonised standards or to the common specifications used or references to the other technical specifications in relation to which conformity is declared:
TS 2189-001-78362081-2018

Signed for and on behalf of:



Date: 22.07.2020



The medicine is registered in the Ministry of Agriculture of Russia, certified in the European Union



The European declaration of conformity and safety data sheet were obtained. The medicine is used on all agricultural crops.

FOR DISTRIBUTION

Conditions for distributors:

- The cost of one bottle - 8 €
- When buying from 15000 liters - 7 €

(the price is indicated on the terms of self-pickup from the manufacturer's plant)

HARVESTXXI interested in expanding the market for its products.

We offer our partners favorable and stable terms of cooperation



Raising The Harvest



Contacts

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Web

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Location

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Восточное Шоссе 14

Distribution:

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LLC «ZHUSS AGRO»
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