SYNAGRA GROUP is engaged in the development, production and industrial introduction of a number of unique and highly effective products for agro-industrial complex, including turnkey technological cycles.

The main advantage of SYNAGRA GROUP is flexibility and customer oriented approach. Owing to a team of professionals, a solid scientific base and production facilities, the company has the opportunity to create products with consideration of particular characteristics and concerns of a specific customer.
COMPANY PROFILE:

01
Production of microfertilizers and feed additives for the agro-industrial complex

02
Technologies and plants for the production of liquid nitrogen organic mineral fertilizers

03
Water treatment technologies

04
Production and development of advanced and breakthrough drugs for pharmaceuticals and medicine
MICROFERTILIZERS

SYNAGRA GROUP offers a product line of microfertilizers under the brand "AGORISE":

"AGORISE BIO" soil modifier based on biohumus

"AGORISE PRO 3"

"AGORISE PRO 5"

"AGORISE PRO 7"

Products are supplied in canisters of 10 liters and 30 liters.
Main Ingredients
In grams per element in 1 dcm³

- Iron (Fe): 2.30
- Zinc (Zn): 1.36
- Boron (B): 2.72
- Copper (Cu): 0.87
- Molybdenum (Mo): 0.27
- Cobalt (Co): 0.27
- Manganese (Mn): 1.14
- Nickel (Ni): 0.27
- Magnesium (Mg): 0.27
- Salts of humic acids: 15
Main Ingredients
In grams per element in 1 dcm³
Main Ingredients

In grams per element in 1 dcm³
*In micrograms per element in 1 dcm³
Microfertilizers "AGGORISE" are complex means for biologically active protection and nutrition of agricultural crops and soil, which are successfully used in agriculture for various crops worldwide.

The products are a high-quality aqueous concentrate of chelated organometallic compounds based on stabilized humic substances. A solution of biologically active substances was obtained on the basis of deep drawing from the active part of sapropel silt deposits, and / or low peat, using electrohydrodynamic effects.
"AGRORISE" DOES NOT CONTAIN HORMONAL STIMULATORS and substances of animal origin. Microfertilizers do not cause oral and inhalation toxicity as well as cumulative effect. There is no irritating and sensitizing action.

All AGRORISE fertilizers content microelements and components, which are not prohibited for use in organic farming. The structure of micro and ultramicroelements may additionally contain stressors and neurotransmitters based on Au, Se, V and other components.

Fertilizers not only protect plants, but also enriche them with a wide range of nutrients. The main components are concentrate of humic substances, immunomodulator and chelate complex of nine microelements: Zn, Cr, Mn, B, Mo, Ni, Mg, Co and Fe.
Modified, deprotonated humic compounds of direct action act as regulators of mass transfer processes in soil systems, enhance the mobilization of nutrients from soil layers, immobilize heavy metals, radioactive elements and other chemical ecotoxicants. Protection from radiation and phototoxic action of herbicides and pesticides in the soil is performed.

The effects of application are the following:
• significant increase of the capillary and field moisture capacity of light soils;
• increase of water permeability of heavy soils;
• improvement of soil structure and its water resistance;
• decrease of soil density;
• mobility of soil phosphorus.
Composition of AGRORISE contains biomasses, tolins (they act as effective ultraviolet radiation protectors), as well as a concentrate of modified microorganisms extracted from organic raw materials, capable to educe enzymes that transform carbon into forms available for feeding the following microflora: nitrogen fixers, ammonifiers, nitrifiers and cellulosolytics. As a result there is intensifying of nitrogen fixation processes in the soil, which contributes to increase of total and protein nitrogen and the availability of organic nitrogen to the plants.

Together with the increase of the number of microorganisms, the enzymatic activity of the soil is also increased. In turn, these processes force the mobility of phosphorus and other nutrient elements of the soil.

Another feature is regulation of the sugar content in the cell fluid, increase of cryoprotective and adaptogenic properties, which is the result of the phenomenon of superfluidity of soil water in the capillary system of the plants.
PRINCIPLES OF ACTION:

"AGRORISE" is aimed to work directly with the bacterial and termal flora of the rhizosphere microflora and soil structure. Due to its effect on the bacterial flora, the necessary carbon and amino acid nutrition is provide and necessary microelements are supplied. In addition, fertilizer is a stressor that affects the increased resistance of the immune system of soil biota and agricultural crops. "AGRORISE" helps to protect plants from the effects of solar radiation, drought, frost, excess moisture, i.e. affects the structure of water and moisture turnover. Moreover, the sorbent in the composition of "AGRORISE" links together free forms of heavy metals and radionuclides.
The protective effect of fertilizers is most pronounced under extreme conditions:

- high or low temperature;
- drought or waterlogging;
- excess or insufficient amount of sunlight;
- lack of oxygen and low pressure in high altitude conditions;
- high soil mineralization and accumulation of pesticides.
APPLICATION BENEFITS:

Modified polymerized components of humic substances helps to retain water under the conditions of prolonged drought.
Climatic Control System with ultraviolet protector controls burn damages and reduces the temperature of the leaf surface under the conditions of high ambient;
The antioxidant plant protection system provides resistance to quick freeze, as well as severe environmental stresses.
Increased concentrations of the complete set of microelements are applied. All microelements are balanced in accordance with the needs of soil nitrogen-fixing microflora based on chelating complexones, which ensure the highest possible bioavailability of all elements.

Initiated soil protoflora stimulates the development of soil nitrogen-fixing bacteria.

Compatible with any plant protection product.
EFFECT OF APPLICATION:

- Increase of productivity from 20-25% (with a full cycle of processing);
- Improvement of quality (grading) and properties of the final product (increase in the content of useful substances and longevity);
- Increase of efficiency of standard mineral fertilizers by 20-30%;
- Restoration of soil biota in conditions of high mineralization;
  
  Significant neutralization of toxic and mutagenic effects of herbicides and pesticides.
APPLICATION AREA:

"AGRORISE" is intended for
• pre-seeding treatment and cultivation of other planting material;
• fertilizing during the vegetation period when growing cereals, technical, vegetable, flower-decorative and fruit-berry crops;
• in open and protected ground in order to accelerate the growth and development of plants;
• increase of plants’ resistance to unfavorable conditions;
• increase of yield and improvement of its quality.

"AGRORISE" can be actively applied in the process of complex stubble cultivation, reclamation and treatment of depleted soil.
"AGRORISE" is compatible with any plant protection products.
It is possible to use "AGRORISE" in drip irrigation systems and spraying from the air.
Various kinds of plants and crops have different needs for microelements. **SYNAGRA GROUP** has developed technological maps of application of microfertilizers for the following groups of plants:

- Oil palm, coffee, cocoa, rubber tree and other fruit trees;
- Cereals (wheat, rice, barley, oats and others);
- Cotton, flax, rape;
- Sunflower and other oilseeds;
- Corn, sugarcane;
- Vegetable crops;
- Potatoes;
- Beets, carrots;
- Hemp, poppy;
- Grapes and other shrubs;
- Flowers.
We look forward to start our cooperation. Please contact us and we will provide all necessary information.

ADDRESS
Ukraine, 49000, Dnepr city
CALL US
+380675341414 (general)
+380676476895 (sales department)
+380956409402 (sales department)
+380675688353 (sales department)