[SPECIALIZED ECO FERTILIZER]

[Microelement's fertilization is a limiting factor for grapevine production; its deficiency can cause changes in fruit quantity and quality. Cyanobacteria can be used for agricultural purposes as a valuable source of microelements. The use of cyanobacterial biomass provides simple, low-cost and efficient slow-release bio-fertilizer for improving productivity of agricultural crops, reclamation of degraded lands in regions where little or no chemical fertilizers are usually applied]

[Side product of our main innovation is a fertile algae biomass. It has already proved to be excellent biofertilizer. Our solution can reduce eutrophication of surface waters. It can also eliminate or significantly limit the demand for pesticides. With the Polish Challenge Fund cooperation opportunity UVERA can share its know-how and provide Georgian wine production sector with cheap solution to improve wine growth and bio protection, and additionally help gain eco-certifications to increase the value of exported products - Magdalena Jander, CEO of UVERA.]

[The results of the project will contribute to lowering costs of fertilizers and pesticides as well as help receive eco-certifications to increase the value of exported products.]

[Wine production sector in Georgia requires novel approaches in the current economy. Strong competition from producers in the world's wine-producing countries and the need to expand market access, are fueling efforts to modernize the industry. With the Polish Challenge Fund cooperation opportunity, we will be testing ecological fertilizer to help our grapevines improve and become more sustainable – Piotr Bolko, owner of Eurphoria Wines].

[**SPECIALIZED ECO FERTILIZER**]

[The intense use of chemical fertilizers causes water contamination, loss of nutrients, and deterioration of soil. It is estimated that 30–50% of fertilizer nutrients are either leached to groundwater or volatilizes to air. The use of biological waste is a practical solution to recover valuable fertilizer components. The biomass waste contains valuable nutrients, which can be put to good use if managed properly. Fertile algae biomass (that is already proved to be excellent biofertilizer) can be cheap solution to improve wine growth and bio protection, and additionally help gain eco-certifications to increase the value of exported products.]

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[40 000 USD]

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