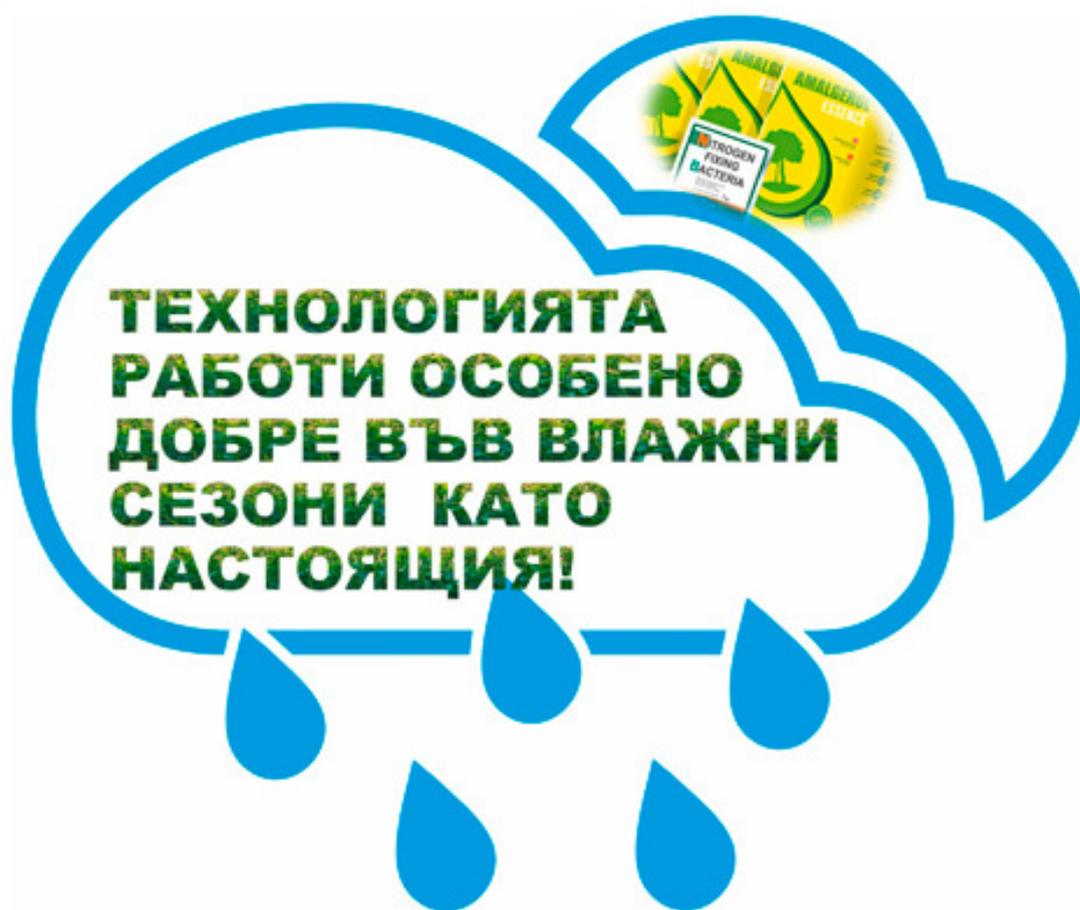


USE THE RAINY SPRING: INCREASE THE QUANTITY AND QUALITY OF YOUR YIELDS WITH LOWER COSTS

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Against the backdrop of the continuous rains that have recently disrupted the spraying schedules in agricultural fields, a real opportunity is emerging for Bulgarian farmers to take advantage of the situation instead of succumbing to it. The powerful synergy between [Amalgerol Essence](#) and [nitrogen-fixing bacteria](#) gives farmers the advantage of unlocking the true potential of their crops, especially at the peak of the rainy season. Contrary to traditional perceptions, abundant rainfall becomes more of an ally than an obstacle.

Application of the technology after the cessation of precipitation will ensure not only remarkable results, but at the same time significant savings in nitrogen fertilizers!



Оторизиран дъльор за Амалгерол Есенс и Амалгерол за България, Румъния и Молдова

www.mediplusr.com

The team of „Medi+R” reminds of the opportunity offered by the technology, namely: by using a smaller amount of nitrogen fertilizers, the same yields can be achieved as with treatment at the full nitrogen fertilizer rate.

How does the technology work and what benefits does it bring to farmers in maize and sunflower?

The secret lies in the double application of **Amalgerol Essence** (2x200 ml/da) and the single application of the nitrogen-fixing bacteria in **Nutribio N** (5 g/da).

The combination of the two products causes the root system to increase many times, enabling the plant to reach the hard-to-access nutrients in the soil.

Amalgerol Essence is a high-quality biostimulant that promotes water retention in the soil, thanks to the algae and dry matter it contains. It contains antioxidants that have a positive effect on plants under biotic and abiotic

stress.

Amalgerol or **Amalgerol Essence** are effective both after herbicide stress and after hail. Their use is recommended in all situations, and not only after the onset of adverse conditions and stress.

Nutribio N is a unique organic microbial foliar fertilizer, developed on the basis of mycorrhizal fungi, nitrogen-fixing bacteria (CERES Azotobacter salinestris) and others, which enables plants to fix nitrogen from the atmosphere, thus supplying themselves with one third of the required amount of nitrogen. The bacteria in the product remain alive for 4 years when not activated, due to the innovative technology used for drying the bacteria.

WHAT SCIENTIFIC STUDIES SHOW ABOUT THE TECHNOLOGY

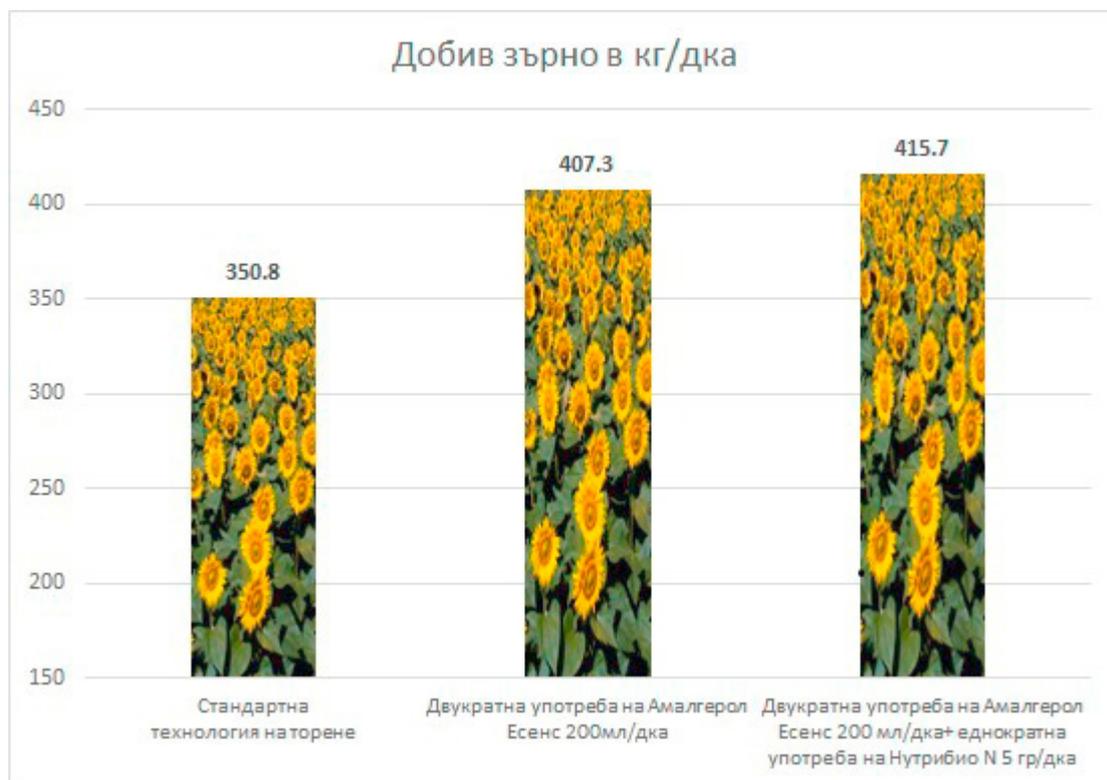
To demonstrate the application and benefits of the products **Amalgerol Essence** and **Nutribio N** in 2022 a trial was conducted at the Maize Research Institute in Kneja. The trial covered two crops – sunflower and maize, and shows the effect of the application of the biostimulant and the nitrogen-fixing bacteria.



SUNFLOWER TRIAL 2022

Due to the failure of emergence of the main crop, sunflower was sown as a second crop within the optimum period – at the end of June. Immediately after sowing, the rainfall contributed to uniform and rapid emergence of the plants in the stand.

The relatively high yields obtained as a second crop were strongly influenced by the rainfall recorded at the end of August and the beginning of September.



Assoc. Prof. Emil Vasilev, PhD, shares that the results for this indicator, shown in the table, demonstrate the substantial impact of the applied biostimulants at the 4/6-leaf stage and at budding of the crop. The increases in the tested variants (2,3) are significant – from 56.5 to 64.9 kg/da, or from 16.1 to 18.5%.

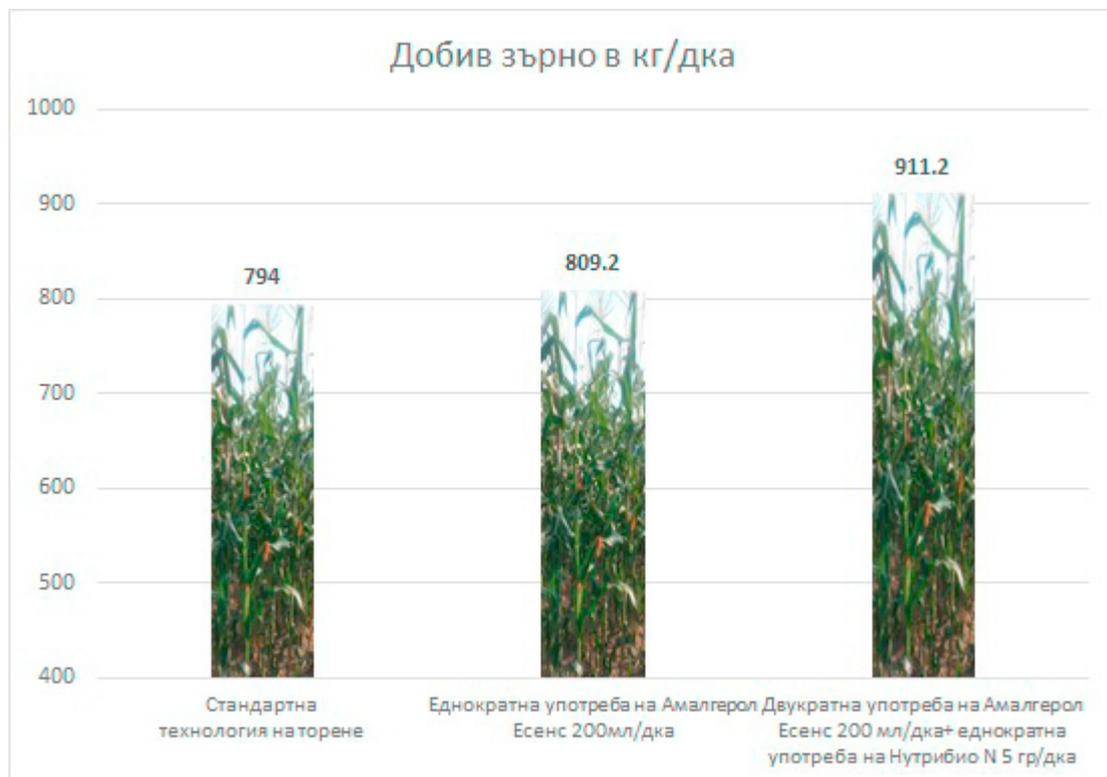
ВАРИАНТ	СХЕМИ НА ПРИЛОЖЕНИЕ	ФАЗА НА ПРИЛОЖЕНИЕ	ДОБИВ кг/дка	ДОБИВ %
1	Контрола	-	350.8	100%
2	Първо пръскане: Амалгерол Есенс 200 мл/дка Второ пръскане: Амалгерол Есенс 200 мл/дка	4 ^{та} - 6 ^{та} двойка листа бутонизация	407.3	116.1%
3	Първо пръскане: Амалгерол Есенс 200 мл/дка + Нутрибио N 5 г/дка Второ пръскане: Амалгерол Есенс 200 мл/дка	4 ^{та} - 6 ^{та} двойка листа бутонизация	415.7	118.5%

The highest yield (415.7 kg/da) was produced by variant 3. It most clearly reveals the advantage of the double application of Amalgerol Essence at a rate of 200 ml/da and the single application of Nutribio N at a rate of 5 g/da at the 4/6-leaf stage.

MAIZE TRIAL 2022

The study was carried out on the experimental field of the Maize Research Institute – Kneja on soil type „Typical Chernozem“ with the aim of determining the effect of the bioproducts **Amalgerol Essence** and Nutribio N on grain maize. The maize was treated with the bioproducts at the 7/8-leaf stage and at the beginning of tasseling at the recommended application rates with a spray solution of 20 l/da.

To determine grain yield, representative samples were taken from the harvested cobs in each plot to establish grain recovery from the cobs as well as grain moisture.



The yield obtained in the control is 794 kg/da. A single treatment with 200 ml/da at the 7/8-leaf stage leads to a minimal increase in yield of 15.2 kg/da (Variant 2).

ВАРИАНТ	СХЕМИ НА ПРИЛОЖЕНИЕ	ФАЗА НА ПРИЛОЖЕНИЕ	ДОБИВ кг/дка	ДОБИВ %
1	Контрола	-	794	100%
	Азотно торене с Амониева селитра 20 кг/дка			
2	Азотно торене с Амониева селитра 10 кг/дка	7ми - 8ми лист	809.2	101.9%
	Първо пръскане: <i>Амалгерол Есенс</i> 200 мл/дка			
3	Азотно торене с Амониева селитра 10 кг/дка	3ти – 4ти лист	911.2	114.8%
	Първо пръскане: <i>Амалгерол Есенс</i> 200 мл/дка	7ми - 8ми лист		
	Второ пръскане: <i>Амалгерол Есенс</i> 200 мл/дка + <i>Нутрибио N</i> 5 г/дка			

A significant increase compared to the control of 117.2 kg (14.8%) was recorded in Variant 3, with double treatment with *Amalgerol Essence* at a rate of 200 ml/da in combination with Nutribio N at 5 g/da.



In summary, the results of the trials carried out at the Maize Research Institute, Kneja, show high effectiveness of the products even at reduced mineral nitrogen rates. We attribute this to the excellent combination and symbiosis between *Amalgerol Essence* at a rate of 200 ml/da (or *Amalgerol* at a rate of 300 ml/da) and Nutribio

N at 5 g/da, a natural nutrient medium for the development of the bacteria. Long-standing clients who have been convinced by the production results from the application of the biostimulants Amalgerol and [Amalgerol Essence](#) and the nitrogen-fixing bacteria in Nutribio N know how to proceed. Those who trusted the technology in wheat and have carried out the first spraying are currently performing a second treatment with the products. All others who have not done so should hurry! Now is the time to treat sunflower and maize.

The two products can be successfully applied not only in maize and sunflower, but also in other spring crops, winter crops, soft fruit, vegetables, essential oil crops and perennial plantations.

The application of biostimulants and nitrogen-fixing bacteria is environmentally friendly and helps improve the uptake of nutrients by the roots in the soil. Adherence to the application stages in maize and sunflower is essential for their effectiveness.

THE TECHNOLOGY SAVES 6-8 KG NITROGEN ACTIVE SUBSTANCE OR UP TO 30-35% OF NITROGEN FERTILIZER USE

Practice has proven that the products [Amalgerol](#), [Amalgerol Essence](#) and Nutribio N are necessary and beneficial for Bulgarian agricultural producers and, being certified for organic farming in the EU, they fully comply with the requirements for promoting green manuring and organic plant nutrition. Their application provides at least 10% of the nitrogen requirements of crops from the maximum nitrogen rate (applied with granular fertilizer) up to 15 kg/da, in line with the requirements of the Eco-scheme for preservation and restoration of soil potential under the new Common Agricultural Policy (CAP).

BECAUSE INVESTMENT IN THE RIGHT TECHNOLOGY AND GOOD PRODUCTS IS NOT A COST! IT BRINGS ONLY BENEFITS!

For more information regarding the technology and the advantageous package* offers, please contact our [sales representatives](#).



*One package for 150 da contains: 60 l Amalgerol Essence and 0.750 kg Nutribio N