

# Защо не трябва да пропускаме пролетното третиране на пшеница с Amalgerol Essence?

Автор(и): Растителна защита  
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The root system plays a very important role in the development of young plants. It is a well-known fact that the presence of a strong root system enables newly emerged wheat to absorb water and nutrients from the soil in the most balanced and efficient way. The presence of a better developed root system helps plants to better overcome the stressful conditions to which they are exposed.

The autumn of 2020, in some parts of the country, was favourable for autumn treatments of wheat. Such is the case of a farmer from the region of the town of Vidin. He carried out an autumn treatment of his wheat with the biostimulant *Amalgerol Essence*. The applied dose was 200 ml/da in combination with an insecticide. Adjacent to his field there is wheat sown on the same day. In the comparison made between the two stands in mid-February 2021, the advantage of the wheat treated with *Amalgerol Essence* is clearly visible. The treated plants

have a clearly expressed and well-formed root system with twice as many tillers formed. *Amalgerol Essence* helped the plants to overwinter better and to cope with the vagaries of the weather.

A large proportion of Bulgarian farmers who strive for high wheat yields (over 700–800 kg per decare) and for higher gluten content in bread-making varieties have established a tradition of autumn treatment with *Amalgerol Essence*.

For those farmers who, for one reason or another, did not manage to do this in the autumn, it is imperative to consider such a treatment in the spring. The reasons that most often lead to the impossibility of conducting an autumn treatment are late emergence of the wheat in autumn or autumn rains. During the spring period, after the traditional fertilisation of wheat with nitrogen-containing fertilisers, herbicide treatment must be combined with *Amalgerol Essence*. This is the optimal option, which will allow the plants to absorb a higher proportion of the nitrogen and will lead to the development of a more powerful root system, which will enable optimal assimilation of nutrients.



The application of biostimulants and nitrogen-fixing bacteria allows a reduction of mineral fertilisation without decreasing the yield and product quality, while at the same time keeping nitrate levels below the limits imposed by EU regulations in the context of the “Green Deal”. Their application is environmentally friendly and helps

better uptake of nutrients by the roots in the soil. *Amalgerol Essence and Nutribio N* – an excellent combination and symbiosis between two products that have the capability to fix atmospheric nitrogen. Observance of the application stages is essential for their effectiveness.

| Технология - Пшеница                                                                                                                                                                                                                                                                                                                  |                                                                                                                                  |                                                                                            |
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|  <b>Намалени норми на азотно торене при внасяне на азотния тор в 3 срока</b>   |                                                                                                                                  |                                                                                            |
| <b>1</b>                                                                                                                                                                                                                                                                                                                              | <b>2</b>                                                                                                                         | <b>3</b>                                                                                   |
| <b>Нормална</b> предсеитбена торова норма<br><br><b>1/3</b> от цялата торова норма                                                                                                                                                                                                                                                    | <b>1<sup>во</sup></b> Пролетно подхранване<br><br>Фаза <i>братене</i> (Февруари - Март)<br><br><b>1/3</b> от цялата торова норма | <b>2<sup>ро</sup></b> Пролетно подхранване<br><br>(Март - Април)<br><br><i>не се прави</i> |
| <b>Начин на приложение:</b><br>м. Март: Хербицид + <i>Амалгерол Есенс</i> 200 мл/дка + <i>Нутрибио N</i> 5 г/дка<br>м. Април: Фунгицид + <i>Амалгерол Есенс</i> 200 мл/дка                                                                                                                                                            |                                                                                                                                  | <b>Спестяват се</b> ~ 20-30 кг Амониев Нитрат (Амониева Селитра)                           |

Depending on the climatic conditions in the different regions of the country, nitrogen fertilisation in wheat is carried out in 2 or 3 stages.

| Технология - Пшеница                                                                                                                                                                                                                                                                                                                        |                                                                                                                                  |                                                                                            |
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The most convincing proof of the efficacy of the product application are the testimonials of the farmers who placed their trust in *Amalgerol Essence*.



*Denis Bystarov – Farmer – town of Vidin*

In the spring of 2021 we used *Amalgerol Essence* on wheat. We applied it at the tillering stage in combination with a herbicide. The effect of the product appeared almost immediately; on the 2nd–3rd day after treatment we noticed a drastic change in the condition of the crop. The average yield per decare increased by about 60 kg. This autumn we applied it again at the 3-leaf stage of the crop to stimulate tillering and better overwintering of the wheat. I recommend *Amalgerol Essence* to all colleagues because I am convinced of its results! *Amalgerol Essence* performs very well under stress conditions: cold, frost and herbicide stress!



*Georgi Ivanov | Geoagrozem Ltd. | village of Kamen, Sliven region*

We have carried out trials with many products and we can state that the biostimulant *Amalgerol Essence* surpasses all the others. All our wheat stands were scorched, and after treatment with the product there was a complete recovery. Very fast and visible effect. The average yield increased by 40 kg/da compared to the other products we used. I will not only continue, but will also increase the treated area with *Amalgerol Essence*!

The team of the Institute of Plant Genetic Resources – Sadovo and MeDi Plus R Ltd. recommends that Bulgarian farmers invest in spring treatment of wheat with *Amalgerol Essence* and *Nutribio N*, which will provide them with stronger and healthier plants.

Remember the method of application in wheat:

In March: Herbicide + *Amalgerol Essence* 200 ml/da + *Nutribio N* 5 g/da

In April: Fungicide + *Amalgerol Essence* 200 ml/da

This will in no way be an expense, but a secure investment for a higher and better-quality yield!

**The combination of the two products will save you about 30 kg/da of Ammonium Nitrate.**

Additional information and interesting materials and advice on the use of *Amalgerol Essence* and *Nutribio N* can be found at the following links:

<https://youtu.be/NdnCZ5E2l0s?t=372>

<https://www.mediplusr.com/webinar/>