

Spring drought – how should we apply nitrogen fertilization to rapeseed and wheat now?

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The cold and dry spring days of 2022 and the shortage of nitrogen fertilizers place domestic agricultural producers in a difficult situation – when to carry out spring top dressing, and with what to perform it? These are all questions that require a rapid assessment and the finding of the best solution. The alternation of cold and warm days predisposes crops to stress, and experienced farmers know one thing – in a cold spring, weed vegetation is delayed in its development and has low density, which leads to postponement of the first herbicide applications.



In order to overcome the stress after overwintering of winter crops, the team of [MeDi+R Ltd.](#) advises farmers to invest in a preliminary treatment of their wheat and oilseed rape fields with the well-known combination of [Amalgerol Essence](#) and [Nutribio N](#). The earlier the biostimulating ingredients of [Amalgerol Essence](#) are introduced into the plants, the faster they will begin to grow vigorously after overwintering, and the nitrogen-fixing bacteria of [Nutribio N](#) will provide them with **nitrogen nutrition** throughout the entire vegetation period.

The microbial fertilizer enables the supply of ~ 30% to ~ 50% of the nitrogen required by the crops, **fixing 8–10 kg of active substance nitrogen (N)** per decare (~ 25–30 kg/da ammonium nitrate) from the atmosphere into the plant itself through the root system. The four types of bacteria in [Nutribio N](#) can survive adverse climatic conditions such as temperatures below 0 degrees. With every increase in temperature, the bacteria are reactivated, increase their metabolism and start forming new colonies.



Of essential importance for farmers, besides **timely fertilization**, is also the creation of a **well-structured soil**. The biostimulant [Amalgerol Essence](#), based on seven natural components, activates life in the soil, improves

its structure, promotes root growth and increases water retention. Every experienced producer knows that **only healthy and fertile soil creates good conditions for plant growth.**



Mother Nature will always have her own plans, but taking a little extra time for a separate treatment with [Amalgerol Essence](#) and [Nutribio N](#) will help you to carry out nitrogen (N) fertilization at the most accurate moment and when the crops are in greatest need of biostimulants and nitrogen fertilizer.

You can find more interesting materials and advice on the use of [Amalgerol Essence](#) and [Nutribio N](#) at the following links:

<https://www.mediplusr.com/nutribio-n-rapeseed/>

<https://www.mediplusr.com/nutribio-n-wheat/>