



## Recommended use of **BioNutria products in onions**

Our products are used as insurance against micronutrient deficiencies. Our general recommendation is to use BioMangan 170 NS<sup>P</sup>, BioCrop Opti<sup>ML</sup> and BioNutria Bor 150 approx. 2-3 times during the growth season.

The first treatment is given when the onion shoots have advanced sufficiently. Second treatment two weeks later. Onions rarely require more than 2-3 treatments.

Onions are rich in minerals (including zinc, potassium, iron, calcium). Studies show that onion fertilization should be done at the beginning of the growing season, with a good supply of especially potassium (K) and calcium (Ca). Nitrogen (N), phosphorus (P) and sulfur (S) must be present at the beginning of the season in a balanced ratio to ensure uniformity and good shell quality.

A high content or large allocation of phosphorus can prevent onions from absorbing zinc from the soil. Here, good results have been achieved by adding additional zinc as foliar fertilization during the growing season.

### **For onions, we recommend the following combination of products per acres:**

1st allocation: 1 l BioMangan 170 NS<sup>P</sup> + 2 l BioCrop Opti<sup>ML</sup> + 0.5 l BioNutria Bor 150

2nd allocation: 1 l BioMangan 170 NS<sup>P</sup> + 2 l BioCrop Opti<sup>ML</sup> + 0.5 l BioNutria Bor 150

3rd allocation: 1 l BioMangan 170 NS<sup>P</sup> + 3 l BioCrop Opti<sup>ML</sup> + 0.5 l BioNutria Bor 150

**Additional fertilization:** BioZink 115

### **Why these fertilizers?**

**BioCrop Opti<sup>ML</sup>:** Specially formulated, high-quality nutrient solution for maize, onion and vegetable crops, containing all necessary micronutrients and trace elements. In addition, BioCrop Opti<sup>ML</sup> contains a higher amount of Zinc compared to the other BioCrop products.

**BioNutria Boron 150:** Onions benefit greatly from boron. Boron is difficult to translocate within the plant. It is therefore good to add boron in several rounds to ensure a sufficient supply throughout the growing season.

Our products are easy to use. They can blend easily with just about all other plant protection agents, so the addition of micronutrients requires no extra applications. This saves the work process and also helps to get both plant protection and micronutrients out on time, which is very important.

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