

New

VitaExpert Booster

An effective biostimulator with a mixture of amino acids and humic acids with the addition of systemic copper.



3,00% N + 25,00% C + 3,75% Cu

%(m/v)

Density 1,25 kg/l

pH 5,0 – 6,0

Organic matter content min. 54 (% s. m.)

The role of copper in plants:

- has a positive effect on the growth and development of plants by improving processes related to tissue structure, photosynthesis, respiration, nitrogen transformations and carbohydrate transport.
- stimulates the development of the root system and tillering of cereals
- is responsible for the development of a larger amount of grain.
- increases the resistance of cereals to lodging and has a positive effect on the lignification process
- increases the resistance of fruit plants to fungal and bacterial pathogens
- essential for nitrifying bacteria in legume crops

Copper deficiency causes:

- "news disease" in cereals, whitening of leaves and their curling, whitening of ears, shortening of internodes
- inhibition of growth, difficulties in flowering and fruit setting in orchard crops
- chlorophyll degradation – yellow or gray chlorosis on leaves, cracking of tomato fruits,
- folding of pepper leaves, change in carrot root color and drying of leaves

Recommendations for use:

- for preventive and emergency supplementation of copper deficiency. Systemic copper particles, thanks to their small size, allow for optimisation of the doses of copper used and reduce the risk of copper accumulation in the soil.
- to reduce the negative effects of abiotic and biotic stress.
- to increase plant resistance to fungal and bacterial diseases
- to optimise the course of metabolic processes: chlorophyll production (photosynthesis), proteins and sugars
- to improve the intensity of growth and technological parameters: greater biomass production, increased protein, fat and carbohydrate content in the main crop, improved storage parameters in fruit and vegetables

Dosage and timing of application:

Crop	Dose (l/ha)	Number of treatments and application timing
Winter cereals	1-3	1 autumn treatment from the 4-leaf stage (no later than 3-4 weeks before the winter break in vegetation), 2 spring treatments: from the spring start of vegetation to the beginning of earing, the interval between treatments is at least 10-14 days
Spring cereals	1-3	2 treatments from the 3-4 stage to the beginning of earing, interval between treatments at least 10-14 days
White beet	1-3	1 treatment from the 4-6 leaf stage to 100% inter-row closure
Potatoes	1-3	1 treatment after flowering
Vegetables	2-3	2 treatments from the 4-leaf stage, during the period of intensive growth, the interval between treatments is at least 10-14 days
Orchards and berry gardens	2-3	2 treatments from the green bud stage and after harvest, interval between treatments at least 10-14 days

Amount of working liquid 150-300l/ha. Fatigation: 0,25%.

Note: Fertilizer cannot be mixed with calcium fertilizers and magnesium sulphate

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