

New

# VitaExpert Stress Control

Immunity stimulator and abiotic stress killer associated with drought, high temperatures and UV radiation. Applied before flowering, it will improve the vitality and fertility of pollen, which will allow you to achieve high yields of excellent quality. It is ideal for use in order to quickly supplement nutrient deficiencies, especially potassium.



15,54% N + 7,40% P<sub>2</sub>O<sub>5</sub> + 37,0% K<sub>2</sub>O + 29,60% C + 0,052% B + 0,059% Cu + 0,148% Fe + 0,022% Mn + 0,10% Mo + 0,52% Zn

%(m/v)

Density 1,48 kg/l

pH 7,0 – 8,0

**The role of proline:** Organic matter content min. 52 (% s. m.)

- as an adaptogen, it prepares and adapts plants to abiotic stress conditions associated with drought and high temperatures
- it protects various types of protein structures of cells, mitochondrial enzymes and cell membranes
- it regulates the biosynthesis and reconstruction of chlorophyll in plants exposed to drought, high temperature and high UV radiation
- it neutralizes excess ammonia occurring in plants in drought conditions
- after the drought stress subsides, proline becomes a source of nitrogen and a respiratory substrate
- for plants

**The role of potassium:**

- regulates the water management of the plant and builds resistance to stress conditions
- regulates nitrogen uptake from the soil, allows to increase the content of sugar in beets, starch in potatoes and cereal grains, fats in oilseeds
- improves health by increasing resistance and tolerance to the negative effects of fungal diseases and pests
- participates in the formation of starch, sugars and their transport inside the plant

**Recommendations for use:**

- to supplement calcium deficiencies in plants as an intervention or preventive measure, especially in the period when its natural uptake by the root system is disrupted
- to improve the quantity and quality of the crop and storage properties – better taste, firmer fruit, better colouring
- to strengthen the structure of leaves and stems
- as a preparation supporting the development of plants on acidified soils
- to provide protection against the disease of dry top rot, which is caused by a calcium deficiency in plants
- to stimulate the development of the root system by increasing the uptake of nutrients from the soil, also as a preparation supporting the fight against clubroot

## Dosage and timing of application:

Crop	Dose (l/ha)	Number of treatments and application timing
Winter cereals	0,5-1,5	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
Winter rapeseed oil	1-2	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 flower bud development, the interval between treatments should be at least 10-14 days
Spring cereals	0,5-1,5	2 treatments from the 3-4 stage to the beginning of earing, interval between treatments at least 10-14 days
Sugar beets	1-2	2-3 treatments from the 4-6 leaf stage to 100% inter-row closure, interval between treatments at least 10-14 days
Potatoes	1-2	2-3 treatments from the shoot formation phase until reaching 40% of the final tuber mass, interval between treatments at least 10-14 days
Vegetables	1-2 (3*)	from the 4-leaf stage, during the period of intensive growth, the interval between treatments should be at least 10-14 days
Orchards and berry gardens	2-3 (5*)	5-6 treatments from the green bud stage and after flowering, the interval between treatments is at least 10-14 days

Amount of working liquid 150-300l/ha, Fatigation: 0,25% (\*) in case of significant nutrient deficiencies.

**VitaExpert**  
Stress Control

BIOSTIMULATING FOLIAR FERTILIZERS