

New

# VitaExpert Vigor

Activator of plant protection and defense mechanisms. Thanks to the presence of selenium, it significantly increases resistance to the negative effects of abiotic and biotic stress. Contains numerous L-amino acids that provide highly nutritious, healthy and abundant crops. Antioxidant, effectively delays the aging processes of plants. Supports the production of functional food and feed.

2,88% N + 30% C + 0,24% B + 0,24% Cu + 2,76% Fe + 0,6% Mn  
+ 0,24% Mo + 0,6% Zn

%(m/v)

Density 1,20 kg/l

pH 3,0 - 4,0



## The role of selenium:

- stimulates and activates plant physiological processes at the cellular level and improves technological quality and the size of the main crop
- inhibits the negative impact of heavy metals on plants and reduces their accumulation in biomass improves the uptake of nutrients from the soil
- activates plant defense mechanisms, increasing plant resistance to the negative effects of drought and excessive UV radiation
- increases plant resistance to the negative effects of biotic stress associated with the occurrence of fungal diseases and the harmful effects of pests (repels, among others, western flower thrips and two-spotted spider mites)

## Selenium deficiency:

- selenium is an element necessary for the proper functioning of human and animal organisms, soils in Poland are characterized by an increasing deficiency of this element - this is related to, among others, climate change and the common acidification of soils

## Recommendations for use:

- preventive and interventional in the event of abiotic and biotic stress,
- to improve the uptake of nutrients from the soil and delay the aging processes of plants
- biofortification, production of functional food and feed, which, through an increased share of selenium in the dry mass, prevent human and animal diseases and have a beneficial effect on
- supporting the immune system
- to increase the resistance of plants to the negative effects of pests and fungal diseases

## Dosage and timing of application:

Crop	Dose (l/ha)	Number of treatments and application timing
Winter rapeseed oil	1-2	1-2 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
Corn	1-2	1-2 treatments from the 4-6 leaf stage, interval between treatments at least 10-14 days
Meadows and pastures	1-2	1-2 treatments from the beginning of spring vegetation
Corn	2-3	1-3 treatments: in the 4-8 leaf phase (BBCH 14-18); as an emergency measure: after the stress has subsided, in order to save crops affected by unfavourable factors, e.g. frost, drought, hail, excessive soil moisture, etc.
Vegetables	1-2	1-2 treatments, amount of working solution 150-300l/ha, from the 4-leaf stage, during the period of intensive growth, interval between treatments at least 10-14 days
Orchards and berry gardens	1-3	3-5 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, Fertigation 0,25%

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

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