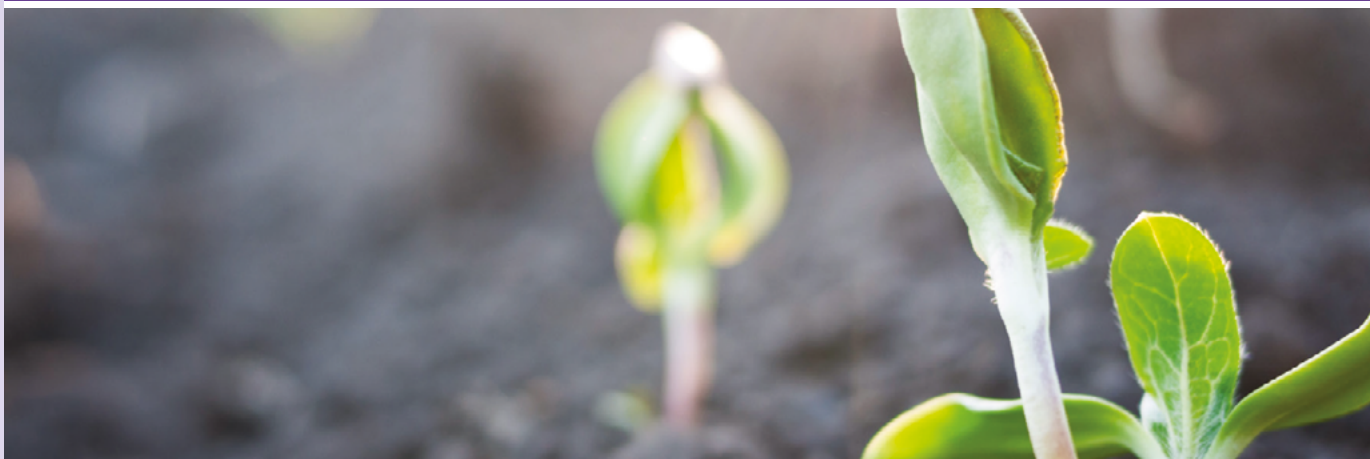




Foliar Lab



Liquid silicon fertilizer containing humic and fulvic acid

Immuno Activ Si Humus Plus

Efficient protection and resistance



Description and performance:

A growing body of scientific evidence shows that silicon is a very important element for plant growth due to its crucial role in shaping the natural immunity of plants. Silicon supplementary contributes to increasing plants tolerance to unfavourable environmental conditions and stress factors.

When absorbed by a plant, silicon is deposited in the cell walls, causing their strengthening. Plants treated by **Immuno Activ Si Humus Plus** can be characterized by a strong structure and therefore are more resistant against biotic and abiotic stresses such as pathogens, increased mechanical resistance or exposure to drought (decreased evaporation).

Immuno Activ Si Humus Plus is an improved formulation of the latest generation ARKOP's Immuno Activ Si fertilizer of the beneficial effects proven in field trials. Foliar treatment of sugar beet with this fertilizer had a beneficial effect on the yield and its technological quality of sugar beet. The research results showed an increase in sugar content in roots by 5.1%, as well as an increase in sugar biological yield by 30.7% and technological yield by 31.3%. (Dr inż. Arkadiusz Artyszak Warsaw, 2018)

Immuno Activ Si Humus Plus help to mitigate the stress associated with water deficit by reducing transpiration rate and enhancing a root growth. The silicon-reinforced cell walls contributes also to an increased plants tolerance to frost.

As an additional advantage, **Immuno Activ Si Humus Plus** has also a beneficial effect on increasing sugar polarization in sugar beet as well as improving the taste of the fruits (increasing its perceived sweetness).


Immuno Activ Si Humus Plus

Nutrients % [m/v]		
Nitrogen (N) total	Potassium (K ₂ O) soluble in water	Silicon (SiO ₂) soluble in water
4	16	26
it contains fulvic and humic acids		

Application:

The fertilizer is designed for foliar feeding or soil application on agricultural, vegetable and fruit crops. In order to achieve maximum efficiency of silicon, (in the form of the most absorbable orthosilicic acid), maintaining the correct order of adding components of the working liquid is a prerequisite.

It is recommended to successively add the following ingredients to the sprayer tank:

- » Water » **AquaSoft**  0,3-0,5l / 1ha » **Immuno Activ Si Humus Plus**
- » other micronutrient fertilizers for example **ActiPlon** or **Actipol**® » **Magnesium Sulphate Monohydrate**
- » **Fosfi Activ** (optional)

Due to simultaneous application of **Aqua Soft** and **Immuno Activ Si Humus Plus**, orthosilicic acid is gradually released and can be effectively absorbed by the leaf.

Indicative doses:

Crop	Time of application	Dosage [l/ha]
Winter cereals	1 - Autumn - 3-6 leaves phase 2 - Spring - tillering 3 - Blade shooting	0,5
Spring cereals	1 - Spring - tillering	0,5
Legumes	1 - Leaves and shoots development	0,5
Rapeseed	1 - Autumn - 4-8 leaves phase 2 - Spring - after moving of the vegetation	0,5
Maize	1 - 4-8 leaves phase	2-3
Beetroot	1 - Before merging of the rows	2-3
Other crops	1 - Spring and autumn, 1-2 treatment	0,5

Results of using Immuno Activ Si Humus Plus:

- improved cell wall strength and structural integrity
- increased tolerance to stress
- improved drought and freezing tolerance (especially in trees)
- fungistatic action (inhibition fungal growth)
- significant yield improvement
- improving the commercial quality of sugar beet by increasing the sugar yield degree of sugar polarization



For more information:

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Nature enhanced

