



**INDUSTRIAL
INNOVATIONS**

INNOVATIVE SOLUTIONS FOR AGRICULTURE

WWW.INDUSTRIAL-INNOVATIONS.RU

THE COMPANY

Industrial Innovations Limited was founded in 2004 to produce microbiological fertilizers based on soil microorganisms under trademarks **AZOTOVIT®** and **PHOSPHATOVIT®**.

In 2017 the company launched two new products: **ORA START®** for seed treatment and **RAUaktiv®** for activation of photosynthesis.

The company has been annually increasing the production capacity for the needs of the Russian agricultural market, and since 2010 has been exporting products into the European Union and CIS.

Our own production site (Novomoskovsk, Tula Region) employs highly-skilled specialists.

The work of the company is based on innovative technologies ensuring significant qualitative and quantitative increases in yields, as well as improving soil fertility and ecological component of agricultural production.

The products of Industrial Innovations Limited have passed all the necessary tests and have state registrations.



AZOTOVIT®

Active ingredient: live cells (*Beijerinckia fluminensis Bf 2806*), concentration no less than 1×10^5 CFU/cm³

Packaging: 10-liter canister.

Benefits of AZOTOVIT®

- provides plants with additional biological nitrogen from the air;
- boosts utilization coefficient of mineral and organic fertilizers by plants;
- activates immune system of plants;
- bacteria produce an antibiotic that inhibits certain fungal and bacterial diseases;
- promotes formation of the fertile soil layer;
- reduces toxic effects on plants after chemical treatments;
- increases germination energy and seed viability, stimulates the growth and development of plants;
- generates additional yield.

Beijerinckia fluminensis Bf 2806 is not a genetically modified strain; being non-pathogenic bacteria, they require no special precautions when applied. Confirmed by a Certificate of the State Research Institute of Genetics and Selection of Industrial Microorganisms.

To attain the best results, use together with PHOSPHATOVIT®



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PHOSPHATOVIT®

Active ingredient: live cells (*Paenibacillus mucilaginosus* Pm 2906), concentration no less than $1,2 \times 10^6$ CFU/cm³

Packaging: 10-liter canister.

Benefits of PHOSPHATOVIT®

- mobilizes unavailable phosphorus and potassium for plant use;
- boosts utilization coefficient of mineral and organic fertilizers by plants;
- bacteria produce an antibiotic that inhibits certain fungal and bacterial diseases;
- stimulates root system development;
- stimulates growth energy and development of plants by mobilizing phosphorus, that serves to build nucleotides, nucleic acids, vitamins, and other organics, vitally needed for strong metabolism;
- reduces toxic effects on plants after chemical treatments;
- generates additional yield.

Paenibacillus mucilaginosus Pm 2906 is not a genetically modified strain; being non-pathogenic bacteria, they require no special precautions when applied. Confirmed by a Certificate of the State Research Institute of Genetics and Selection of Industrial Microorganisms.

To attain the best results, use together with AZOTOVIT®



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RATES AND TIME OF APPLICATION OF MICROBIOLOGICAL FERTILIZERS

CROP	AZOTOVIT®				PHOSPHATOVIT®			
	SEED TREATMENT		TREATMENT OF VEGETATING PLANTS		SEED TREATMENT		TREATMENT OF VEGETATING PLANTS	
	PRODUCT CONSUMPTION, L/T	VOLUME OF TREATMENT SOLUTION, L/T	PRODUCT CONSUMPTION, L/HA	VOLUME OF TREATMENT SOLUTION, L/HA	PRODUCT CONSUMPTION, L/T	VOLUME OF TREATMENT SOLUTION, L/T	PRODUCT CONSUMPTION, L/HA	VOLUME OF TREATMENT SOLUTION, L/HA
Grains (wheat, barley, rye)	2,0-3,0	10	0,5-0,8	100-300	2,0-3,0	10	0,5-0,8	100-300
Corn	3,0-4,0	10	0,5-0,8	100-300	3,0-4,0	10	0,5-0,8	100-300
Sunflower, buckwheat, flax, rape	3,0-5,0	10	0,5-0,8	100-300	3,0-5,0	10	0,5-0,8	100-300
Pea	2,0-3,0	10	0,5-0,8	100-300	2,0-3,0	10	0,5-0,8	100-300
Soybeans	3,0-4,0	10			3,0-4,0	10		
Vegetables (cabbage, cucumbers, tomatoes)	0,04-0,05 L/KG	0,1 L/KG	0,5-0,8	100-300	0,04-0,05 L/KG	0,1 L/KG	0,5-0,8	100-300





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