

APPLICATION INSTRUCTION (industrial sector)

Azotofit®-r

Biopreparation (bioactivator) for growth stimulation and plants nutrition

DESCRIPTION. From cream to brown colored liquid with slight specific smell.

COMPOSITION. Biopreparation with active base consisting of natural nitrogen fixing bacteria *Azotobacter chroococcum* cells, macro- and micro-elements, bacteria biologically active metabolites: amino acids, vitamins, phytohormones, fungicides.

APPLICATION EFFECT. Bioactivator has growth stimulating and fungicidal properties based on *Azotobacter chroococcum* ability to ensure active fixation of atmospheric molecular nitrogen and to convert it into the form accessible for plants; to synthesize growth promoting substances (nicotinic acid, pantothenic acid, pyridoxine, biotin, heteroauxin, etc.); to emit fungicidal substances which suppress pathogenic microflora growth; to produce metabolites capable of dissolving hard-soluble soil phosphates.

INTENDED USE. Applied for pre-planting seed treatment of grain, leguminous, technical (oil), cereal crops, beets, vegetables, flowers, potatoes tubers; soaking vegetable/fruit crops and trees seedlings roots; root- and foliar nutrition of grain, leguminous, technical (oil), cereal crops, beets, vegetables, potatoes tubers, berry crops and flowers to accelerate growth, increase crops yield and quality; phytopathogenic microflora (disease agents) growth suppression as well as soils natural fertility enhancement and sanitation.

APPLICATION.

Pre-planting seeds treatment.

The treatment is carried out on the day of sowing. The seeds are soaked for 1-2 hours, then got drenched and sowed immediately or first dried in the shadow and sowed no longer than in 8 hours after the treatment.

Potato tubers treatment before planting.

The treatment is carried out in the shadowed place via sprinkling or soaking the planting material with the biopreparation solution (see Table).

Vegetable/fruit/berry crops and fruit trees seedlings treatment prior to planting.

Root nutrition (1-3 treatments depending on the culture): the first treatment to be carried out after planting or sprouting; every next treatment – in 10-15 days after the previous one.

Foliar nutrition (sprinkling): during vegetation.

Seeds and crops/trees seedlings are to be treated in the shadowed place, avoiding direct sunlight; root and foliar nutrition to be performed in the cloudy weather or in the evening.

Shake up before use!

Keep the solution no longer than a day!

AZOTOFIT®-R CONSUMPTION RATES AND APPLICATION METHODS

Treated crop	Consumption rate	Method and time of treatment, limitations	Number of treatments
Grain crops (wheat, rye, barley, oats, millet, sorgo)	0.1-0.5 l/t	Pre-planting seeds treatment	1
Legumes (peas, soya, beans, lentil, haricot, peavine)	0.2-0.8 l/t	Pre-planting seeds treatment	1
Technical (oil) crops: rape, sunflower	0.7-1.5 l/t	Pre-planting seeds treatment	1
Cereal crops (buckwheat, rice)	0.2 l/t	Pre-planting seeds treatment	1
Corn	0.3-1.0 l/t	Pre-planting seeds treatment	1
Beets (sugar, table, fodder)	0.5-1.2 l/t	Pre-planting seeds treatment	1
Vegetables (cucumber, tomato, pepper, eggplant, cabbage, water melons, marrows), flowers	0.5-1.2 l/t	Pre-planting seeds treatment	1
Potato	100 ml/t	Tubers treatment	1
Vegetable/fruit/berry crops	100 ml/100 units	Seedlings treatment	1
Fruit trees seedlings	100 ml/100 units	Seedlings treatment	1
Grain, leguminous, technical (oil), cereal crops, beets, potato	100-500 ml/ha	Root nutrition	1
Vegetables, berries, flowers	0.2-1.0 l/ha	Root nutrition	2 - 3
Fruit trees seedlings	2 ml/tree	Root nutrition	1
Grain, leguminous, technical (oil), cereal crops, beets, potato	50-100 ml/ha	Foliar nutrition	1
Vegetables, berries, flowers	100-500 ml/ha	Foliar nutrition	1

Bioactivator Azotofit-r can be applied in combination with other crop protecting agents, micro- and macro-elements, sticking agents, growth stimulators.

Precautions:

Azotofit®-r is non-toxic for people, animals and insects! Wash off the preparation if contacting skin or eyes!

Storage conditions:

Azotofit-r is stored in the sealed package, in the sunlight protected place at the temperature range of 4 °C to 10 °C.

Guaranteed storage life: six months from the production date.

State registration certificate: series A # 02961

Producer:

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