Application instruction

(private sector)

Fitotsyd-r®

(group 2)

DESCRIPTION: light-brown or brown coloured liquid with slight specific smell.

COMPOSITION: The biopreparation active agents are viable cells and spores of natural Bacillus subtilis bacteria totalling (1-9) x 10^9 CFU/cm^3, micro- and microelements, biologically active bacterial metabolites: enzymes, vitamins, fungicide substances.

SPECIFIC EFFECT: The preparation has antimicrobial and growth-promoting properties, which are based on Bacillus subtilis microorganisms ability to actively inhabit all the plants' tissues resisting disease agents penetration, to produce antimicrobial substances and metabolites, which ensure complex organic and mineral soil compounds conversion into the forms assimilable for plants: humus, phosphor, nitrogen, etc.

INTENDED USE:

- pre-planting seeds treatment of cereal, leguminous and oil crops, vegetables, flowers, potato tubers and bulbs;
- vegetable, horticultural crops and tree seedlings' roots soaking;
- root and foliar nutrition during vegetation period

FITOTSYD®-R APPLICATION

Consumption rates and application methods

Crop	**Method of application**			
	Pre-planting seeds treatment	**Seedlings roots treatment prior to planting, 100 units**	**Root nutrition**	**Foliar sprinkling***
Vegetables (cucumbers, tomatoes, peppers, aubergines, cabbage, melons, water melons, marrows, etc.)	5-10 ml / 500 ml of water	10 ml / 3-5 l of water	5-10 ml / 10 l of water	5-10 ml / 10 l of water 3-4 times every 7-10 days
Beets, corn Legumes (pea, soya, beans, lentil, haricot, peavine, etc.)		-		
Potato (tubers), onion, garlic (50-100kg)	10-20 ml / 2-5 l of water			
Horticultural crops Fruit trees seedlings	-	10 ml / 10 l of water		
Flowers - seeds - tubers	10 ml / 500 ml of water10 ml/ 10 l of water	10 ml / 3-5 l of water		
Lawn grass	5-10 ml / 500 ml of water	-		
Soil treatment	The after-harvesting residues and soil are sprayed with the preparation solution: 10-20 ml / 10 l of water per 100 m^2, soil is then loosened.			

Note:

- shake up the preparation before use
- the solution for seedlings treatment and plants nutrition is used on the day of preparation
- *the biopreparation volume is defined by the plants growth, condition and density
- seeds should be treated in the shadow avoiding direct sunlight
- the nutrition is carried out when the weather is cloudy, in the evening or morning
- plant should be treated during blossoming and fruiting

APPLICATION ORDER:

Soil preparation

Autumn: the after-harvesting residues at the acreage are sprayed with the preparation: 10-20 ml / 10 l of water per 100 m^2. The soil is then loosened.

Spring: The soil is treated with the preparation (10-20 ml / 10 l of water) and then is anywise loosened (which is particularly important for greenhouses and depleted soils) in order to suppress pathogens development and enrich the soil with useful microflora, calcium, magnesium, phosphorus and other macro- and microelements.

Pre-planting seeds treatment

Uniform concentration solution (see Table) is prepared for various crops seeds treatment.

The sorted out seeds are soaked in the treatment solution on the day of sowing for 1.5-2 hours, soaked up and sowed immediately or dried in the shadowed place to the bulky free-flowing state. The remaining solution can be used for watering house and other plants.

Onion, garlic, potato tubers, flower bulbs treatment

The treatment is carried out in the shadowed place via sprinkling the planting material or via soaking in the biopreparation solution for several hours (see Table). The solution can be used several times after the planting material soaking.

Seedlings treatment prior to planting

The plants' roots are dipped into the solution (see Table), the pot seedlings are sprayed.

Root nutrition

The nutrition is carried via root watering when planting the stock into the soil and then every 7-10 days using 1 litre of the preparation solution (see Table) for 1 seedling or 1 m^2 of vegetable or horticultural plantation. Plants are watered, soil is mulched after the treatment.

Foliar sprinkling

The plants are sprayed with the biopreparation solution (see table) starting from sprouting and then during vegetation period 3-4 times every 7-10 days.

Overdose results no plant development and fruiting disturbance.

Fitotsyd®-r is compatible with other biopreparations and chemical protecting agents, micro- and microelements, adhesive agents, growth stimulators.

To enhance efficiency and decrease chemical agents toxicity, add Liposam® adhesive agent to the solution; for extra-nutrition add Azotofit®-r; to protect plants against pests add insecticides.

Fruit and vegetables storage improvement

The crop, boxing and storage surfaces are sprayed with the preparation solution: 10 ml / 5 l of water.

APPLICATION EFFECT:

- plants protection against a wide range of disease agents without habituation effect;
- seeds germinating ability and capacity enhancement;
- Immune system strengthening, growth and development promotion;
- Acceleration and prolongation of blossoming phase, plants decorative appearance improvement
- yield capacity increase and palatability improvement;

PRECAUTIONS:

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

STORAGE CONDITIONS:

Fitotsyd®-r is stored in hermetical package at 0 to 20 ^{0}C temperature.

Guaranteed storage life: 3 years from the production date.

State registration certificate: series A # 02962

PRODUCER:

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