

## APPLICATION INSTRUCTION

(industrial sector)

### FITOTSYD®-R GROUP II

**biopreparation for plants extra nutrition and protection against fungous and bacterial diseases**

**DESCRIPTION:** from light-brown to brown coloured liquid with slight specific smell.

**COMPOSITION:** The biopreparation active agents are viable cells and spores of natural bacteria *Bacillus subtilis* totalling  $(1-9) \times 10^9$  CFU/cm<sup>3</sup>, micro- and microelements, biologically active bacterial metabolites: enzymes, vitamins, fungicide sunbsatances.

**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:** For pre-planting seeds treatment of cereal, leguminous, oil and vegetables crops, potato tubers and bulbs; for vegetable seedlings treatment prior to planting and plants sprinkling during vegetation: cereal, leguminous and oil crops, beets, potato, onion, tomatoes, fruit trees seedlings, flowers and berry-plants.

### FITOTSYD®-R CONSUMPTION RATES AND APPLICATION METHODS

Consumption rate (l/t, l/ha)	Treated crop, object	Method and time of treatment, limitations	Number of treatments
0.5 - 1.5 l/t	Cereal, leguminous crops	Pre-planting seeds treatment	1
3.0 l/t	Technical (oil) crops:	Pre-planting seeds treatment	1
2.5 l/t	Vegetable crops:	Pre-planting seeds treatment	1
0.25 - 0.5 l/t	Potato, bulbs	Potato tubers and bulbs treatment prior to planting.	1
0.2 l / 100 l of water	Vegetable crops:	Seedlings treatment prior to planting	1
0.4 – 0.8 l/ha	Cereal, leguminous, technical (oil) crops	Foliar nutrition (sprinkling) of plants	3 - 4
0.8 – 1.5 l/ha	Beets	Foliar nutrition (sprinkling) of plants	3 - 4
0.5 – 1.0 l/ha	Potato, bulbs	Foliar nutrition (sprinkling) of plants	3 - 4
0.5 – 2.5 l/ha	Vegetable crops:	Foliar nutrition (sprinkling) of plants	3 - 4
1.0 – 2.0 l/ha	Fruit trees seedlings and flowers	Foliar nutrition (sprinkling) of plants	3 - 4
0.7 – 1.5 l/ha	Berry plants	Foliar nutrition (sprinkling) of plants	3 - 4

**Pre-planting seeds treatment.**

The treatment is carried out on the day of treatment. 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 treatment.

**Potato tubers and bulbs treatment prior to planting.**

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

**Vegetable seedlings treatment prior to planting.**

**Foliar nutrition** (sprinkling) of plants: during vegetation period 3-4 times within 10-15 days interval.

*Seeds, potato tubers, bulbs and vegetable seedlings should be treated in the shadow, avoiding direct sun-light; plants are to be sprayed in the cloudy weather or in the evening.*

*Shake up before use!*

*Store the preparation solution no longer than for 24 hours!*

The preparation does not form toxic compounds with other substances.

It is compatible with other plant protecting agents, micro- and microelements, adhesive agents, growth stimulators, fungicides and insecticides of biological and chemical nature.

**APPLICATION EFFECT:**

- plants protection against a wide range of disease agents without habituation effect;
- seeds germinating ability and capacity enhancement;
- plants growth and development promotion;
- plants immunity reinforcement;
- 20-35% crops yields increase;
- crop products quality 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 °C temperature.

Guaranteed storage life: 3 years from the production date.

*State registration certificate: series A # 02962*

**PRODUCER:**

Private company BTU-Center, Ukraine, 24321, Vinnytsa region, town Ladyzhyn, Budivelnykiv Str., 35  
tel./fax (04343) 6-44-84, tel. (04343) 6-02-94

Sales and marketing department: tel./fax (044) 594-38-83