

# TECHNICAL DATA SHEET

## PLANTAGRA



### MANUFACTURER

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### PURPOSE OF USE

Microbial liquid fertilizer used for foliar and soil application, for seed and seedling treatment or as a supplement to nutrient solutions in various types of crops. Improves seed germination. Regulates plant metabolism. Improves root system development. Increases the number of flowers and improves plants' ornamental appearance. Increases yields.

### COMPOSITION

Microbial composition:  
*Bacillus subtilis* TRL02  
*Pseudomonas putida* OR2  
*Trichoderma harzianum* MT

Chemical composition:  
81 % Humic acid  
19 % Fulvic acid

### PROCESSING METHODS

Biodegrading of leonardite rock  
Microbial cultivation

### ANALYSIS

pH	7.0 - 7.5
Dry matter, %	0.3
Colour	Brown
Microbial complex, CFU/ml	10 <sup>8</sup>

### STORAGE CONDITIONS

Do not give access to unauthorized individuals.  
Store the product unopened and in its original package.  
Store in a well aerated place at temperature +5....+ 20°C.  
Keep away from direct sunlight.

### APPLICATION

- Pre-sowing treatment – soak for 20-30 min;
- Root treatment at planting – soak in solution for 1-2h;
- Vegetation treatment – soil and foliar fertigation, harvest/organic leftovers.

Crop	Dosage ml/dka or g/100 kg seeds		Treatments per year		Expenditure per solution / dka		Spray concentration		Time of application
	Min	Max	Min	Max	Min	Макс	Min	Max	Min
<b>Field and technical cultures</b>	1,0-1,2 ml/L 50-150 ml/dka		3	4	50-150 L/dka				
<b>Vegetables</b> (greenhouse and open fields)	1,0-1,2 (2,0*) ml/L 50-80 ml/dka		-	1	50-150 L/dka				Seedling treatment immediately after developing of 2 <sup>nd</sup> leaf
	1,0-1,2 (2,0*) ml/L 50-80 ml/dka		-	1	50-150 L/dka				Seedling treatment after transplanting
	(2,0*) ml/L 50-80 ml/dka		3	5	50-150 L/dka				every 20 days
<b>Potatoes and tuberous plants</b>	1,0-1,2 (2,0*) ml/L 50-80 ml/dka		-	1	50-150 L/dka				2-4 <sup>th</sup> leaf
	1,0-1,2 (2,0*) ml/L 50-80 ml/dka		1	2	150-300 L/dka				bud formation, flowering
<b>Fruit, vines, berries</b>	1,0-1,2 ml/L		-	1	soaking in solution				treatment of planting material
	1,0-1,2 (2,0*) ml/L 50-150 ml/dka		2	3	50-150 L/dka				leafing, bud formation
<b>Decorative plants, including coniferous and flowers</b> (greenhouse and open fields)	3 g/10 L water		-	1	10 L/10 plants				soil: watering under roots of the contaminated plant
	2 g/10 L water		-	1	10 L/100 m <sup>2</sup>				spraying during vegetation

Remarks: Do not mix with Burgundy mixture and preparations containing copper!