

# TECHNICAL DATA SHEET

## MICROBTIMA GROW



### MANUFACTURER

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### PURPOSE OF USE

Microbial liquid fertilizer improving the mineral nutrition of the plants, enhancing growth, reducing water deficiency, and increasing the tolerance to draught. Increasing the resistance to biotic and abiotic factors. Suitable for treatment of all crops.

### COMPOSITION

0.2 % Microbial inoculate:  
*Arthrobacter globiformis* R20  
*Bacillus brevis* R21  
*Bacillus coagulans* R21  
*Bacillus licheniformis* R22  
*Bacillus megaterium* 2.3  
*Bacillus pumilus* VJ9  
*Bacillus subtilis* TRL02  
*Bacillus thuringiensis* VJ13  
*Azotobacter vinelandii* R19

0.2 % Sharomix MCI /preservative/

99.6 % Reverse osmosis water

### PROCESSING METHODS

Microbial cultivation

### ANALYSIS

pH	7.2
Dry matter, %	0.2
Colour	Green
Microbial complex, CFU/ml	$10^7 - 10^8$

### 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

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	Max	% min	% max	
<b>Technical</b>									
- foliar	40 ml/dka	80 ml/dka	1	2	20L	60L	0,1	0,4	2-4 <sup>th</sup> leaf and 10-20 days later
<b>Cereals</b>									
- seeds									along with decontamination
<i>corn</i>	1.5L	4L	1	1					
<i>winter cereals</i>	0.5L	0.8L	1	1					
- foliar	40 ml/dka	80 ml/dka	1	2	20L	60L	0.1	0.4	2-4 <sup>th</sup> leaf and 10-20 days later
<b>Vegetables</b>									
- seedlings	1,0 ml/L	2 ml/L	1	1					after 2 <sup>nd</sup> leaf
- foliar	40 ml/dka	80 ml/dka	1	3	20L	40L	0.1	0.4	after transplanting and then every 14-20 days
- fertigation	2 ml/L	2 ml/L							every 14-20 days
- hydroponic	2 ml/L	2 ml/L							to the nutrient solution
<b>Fruit, vines, berries</b>									
- planting material	1,0 ml/L	2 ml/L	1	1					Soaking and spraying of roots
- foliar	40 ml/dka	200 ml/dka	1	3	20L	100L	0.1	0.4	during leafing, bud development and flowering
- fertigation	2 ml/L	2 ml/L							every 14-20 days
<b>Decorative, medicinal</b>									
- seedlings	1.0 ml/L	2 ml/L	1	1					after 2 <sup>nd</sup> leaf
- foliar	40 ml/dka	80 ml/dka	1	3	20L	40L	0.1	0.4	after transplanting and then every 14-20 days
- fertigation	2 ml/L	2 ml/L							every 14-20 days
- hydroponic	2 ml/L	2 ml/L							to the nutrient solution

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