



Biostim

## Biostim Start

amino acids, polysaccharides, macro- and microelements

Liquid amino acid bio-stimulating fertilizer for pre-sowing treatment of seeds and planting material, as well as for root dressing when seedlings are grown and transplanted

### Advantages:

- Energizer and seed germination stimulator
- Earlier and smoother sprouting
- Accelerated root system formation
- Improving seedling establishment and minimizing post-transplanting stresses

### Action

The preparation is intended for pre-sowing seed treatment of cereals, grain legume, industrial, oilseed, vegetable, and flower and decorative crops, pre-planting treatment of potato tubers, as well as for soil dressings for transplant (young plant) growing and movement, soil dressing of small-fruit crop, fruit trees, vineyards, decorative trees and shrubs.

Pre-sowing seed treatment with Biostim Start ensures a high field germination rate. Seeds germinate several days earlier and demonstrate even stands. The secondary root system forms in a more intensive way with a much wide active zone and higher water-absorbing capacity. Winter crops become more resistant to winter and resume vegetation on an earlier date. Tillering rate and number of productive stems demonstrate a substantial growth, as well as the number of grains in an ear and average grain weight.

### Composition of amino acid biostimulants Biostim Start

Composition	%	g/L
Free amino acids of plant origin	5,5	71,5
Polysaccharides	7,0	91,0
Nitrogen (N) total	4,5	58,5
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	5,0	65,0
Potassium (K <sub>2</sub> O)	2,5	32,5
Magnesium (MgO)	1,0	13,0
Manganese (Mn)	0,2	2,6
Zinc (Zn)	0,2	2,6
Copper (Cu)	0,1	1,3

Boron (B)	0,1	1,3
Molybdenum (Mo)	0,01	0,13

## Usage regulations

Crop	Method, time and conditions of application	Product consumption rate, l/ha	Working liquid consumption rate, l/ha
Cereal crops, legumes, forage crops, technical crops, oil crops	Pre-sowing seed treatment	0.5-1.2	5-10
Potato	Pre-planting treatment of tubers	0.6-0.8	30
	Root fertilization in the phase of full sprouts and further 1-2 times at intervals of 7-10 days	1.0-5.0	depending on the irrigation rate and system
Vegetable, flower decorative cultures	Pre-sowing seed soaking for 10-20 minutes with subsequent drying, pre-planting bulb and corm soaking for 24 hours.	10-20 mL/kg	1.5-2.0 L/kg

Root feeding of seedlings on the 3–4 day after sowing and 3–5 days after sprouting	0.5–3.0 mL/m <sup>2</sup>	until even moistening of the ground clod or 2–3 L/m <sup>2</sup>	
When seedlings are transplanted. Immersing the cassettes until the clod is soaked or watering immediately before planting	1 L/100 L of water	until even moistening of the ground clod or 2–3 L/m <sup>2</sup>	
Vegetable crops	Root fertilization 3–5 days after sprouting or immediately after seedlings are planted, then 1–2 times at intervals of 7–10 days.	1.0–5.0	depending on the irrigation rate and system
Floral and ornamental crops	Root fertilization 3–5 days after sprouting or immediately after seedlings are planted, then 1–2 times at intervals of 7–10 days, then after each cutting.	1.0–5.0	depending on the irrigation rate and system
Berry crops (seedlings)	Root fertilization on 3rd–4th day after watering (planting) and 10–15 days further	0.05–0.3 L/m <sup>2</sup>	depending on the irrigation rate and system
Berry crops	Root feeding in spring when vegetation resumes or immediately after seedlings are planted and then 1–2 times at intervals of 7–10 days	1.0–5.0	depending on the irrigation rate and system
Fruit trees, vineyards, ornamental trees and shrubs	Root fertilization during the leaf budding period and further 1–3 times at intervals of 7–10 days	2.0–7.0	depending on the irrigation rate and system

The preparation should be used together with chemical fungicidal and insecticidal seed disinfectants.

## General information

### **Storage conditions**

Storage temperature range - 0 °C to plus 35 °C

### **Shelf life**

3 years

### **Registrant**

Schelkovo Agrohim, Russia

### **Manufacturer**

Schelkovo Agrohim, Russia