



DOLINA

COMPANY  
PRODUCTS

# PLANT GROWTH STIMULATOR

COMPLEX NATURAL AND SYNTHETIC FORMULATION WITH SYSTEMIC AND CONTACT PROPERTIES FOR TREATMENT OF SEEDS AND PLANTS IN THE VEGETATIVE STAGE



### COMPOSITION

 Polyethylene glycol – 770 g/l	 Washed salts of humic acids – up to 30 g/l
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#### GROWTH STIMULANT

Plants grow faster



#### ADJUVANT (FILMING AGENT)

Preparations are reliably attached to leaves



#### ADAPTOGEN

Poor conditions do not affect plant growth



#### CRYOPROTECTANT

Plants tolerate low temperatures better



#### THERMOPROTECTANT

Plants tolerate heat and drought better



#### ANTI-STRESS AGENT

Relieves pesticide stress



#### DISEASE INHIBITOR

Plants get sick less often, strengthens immunity



#### SOIL ACTIVATOR

Improves soil condition



#### ANTIOXIDANT

Preserves seeds in the soil from poor conditions



#### PHOTOSYNTHESIZER

Maximum efficient photosynthesis

**Purpose:**  
 complex natural and synthetic formulation  
 with systemic and contact properties for  
 treatment of seeds and plants in the  
 vegetative stage.

CROP	APPLICATION TIMES	RATE
Cereals, sugarcane, sunflower, corn, legumes, rapeseed, sugar beet, vegetables, potatoes, millet, buckwheat, rice	Pre-sowing seed treatment	0.5-1.0 l/t
Potatoes	Pre-planting tuber treatment	2-4% solution
Fruits, berries, grapes	Soaking seedlings	2-4% solution
Cereals, sugarcane, sunflower, corn, legumes, rapeseed, sugar beet, vegetables, potatoes, millet, buckwheat, rice	Leaf spraying	0.5 l/ha
Fruits, berries, grapes	Leaf spraying	1.0-1.5 l/ha
Cotton plant	Leaf spraying	0.7 l/ha 2 times

<b>PACKAGING</b>	10 l	5 l	1 l
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**INCREASES YIELD BY 10-30%**

# MICROFERTILIZERS CLASSIC



**DOES NOT CONTAIN EDTA**

COMPOSITION			g/l		
Nitrogen	N	100	Copper	Cu	8
Phosphorus	P <sub>2</sub> O <sub>5</sub>	66	Zinc	Zn	8
Potassium	K <sub>2</sub> O	44	Boron	B	6
Sulfur	SO <sub>3</sub>	36	Manganese	Mn	6
			Cobalt	Co	0,05
			Molybdenum	Mo	0,12

CROP	RATE
Cereals, sugarcane, sunflower, rapeseed, corn, legumes, vegetables	1.0-2.0 l/ha
Sugar beet	1.5-2.5 l/ha
Fruit and berries, grapes	2.0-5.0 l/ha
Hop	2.0-5.0 l/ha
Cotton plant	1.0-3.0 l/ha

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ compensates for the lack of nutrients at any stage of development;
- ✔ improves the commodity quality of agricultural production.

1l
5l
10l



**DOES NOT CONTAIN EDTA**

COMPOSITION			g/l		
Nitrogen	N	20	Copper	Cu	5,4
Phosphorus	P <sub>2</sub> O <sub>5</sub>	99	Zinc	Zn	5,4
Potassium	K <sub>2</sub> O	65	Boron	B	1,8
Sulfur	SO <sub>3</sub>	57	Manganese	Mn	15
			Cobalt	Co	0,1
			Molybdenum	Mo	0,4

CROP	RATE
Cereals, sugarcane	0.5-1.0 l/t
Corn, sunflower, rapeseed, legumes, sugar beet, cotton plant	1.0-1.5 l/t
Vegetables	50 ml/l of water
Potatoes	0.6-1.0 l/t

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ increases seed germination energy by 3-8%;
- ✔ promotes intensive growth of the root system;
- ✔ increases plant resistance to diseases by 18-30%.

1l
5l
10l



**DOES NOT CONTAIN EDTA**

COMPOSITION		g/l
Boron	B	155
Nitrogen	N	50
Colofermine		510

CROP	RATE
Cereals, sugarcane, sunflower, rapeseed, corn, legumes, fruits and berries, grapes	1.0-1.5 l/ha
Sugar beet	1.0-2.5 l/ha
Vegetables	0.5-1.0 l/ha
Cotton plant	1.0-3.0 l/ha

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ enhances the development of reproductive organs and pollination of flowers;
- ✔ causes intensive absorption of moisture from the soil by plants;
- ✔ positively affects the accumulation of sugars in the tissues of winter crops and sugar beet roots.

1l
5l
10l



**DOES NOT CONTAIN EDTA**

COMPOSITION		g/l
Zinc	Zn	120
Nitrogen	N	118
Sulfur	SO <sub>3</sub>	144
Colofermine		374

CROP	RATE
Cereals, sugarcane, sunflower, rapeseed, vegetables	0.5-1.0 l/ha
Corn, sorghum	1.0-2.0 l/ha
Sugar beet, legumes, potatoes	1.0-1.5 l/ha
Fruits and berries, grapes	2.0-3.0 l/ha
Cotton plant	1.0-3.0 l/ha

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ enhances root development and regulates water exchange in plant tissues;
- ✔ stabilizes the synthesis of chlorophyll, protein and carbohydrates in cells;
- ✔ promotes the formation of the natural hormone auxin.

1l
5l
10l



**DOES NOT CONTAIN EDTA**

COMPOSITION		g/l
Copper	Cu	100
Nitrogen	N	89
Sulfur	SO <sub>3</sub>	126
Colofermine		374

CROP	RATE
Cereals, sugarcane, vegetables	1.0-2.0 l/ha
Corn, sorghum, sunflower, potatoes, legumes, rapeseed, sugar beet	0.5-1.5 l/ha
Fruits and berries, grapes	1.0-3.0 l/ha
Cotton plant	1.0-3.0 l/ha

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ prevents lodging of crops;
- ✔ promotes better absorption of nitrogen;
- ✔ has characteristic fungicidal properties;
- ✔ increases the content of vitamin C in fruits.

1l
5l
10l

# MICROFERTILIZERS CLASSIC



DOES NOT CONTAIN EDTA

COMPOSITION		g/l
Ferrum	Fe	65
Nitrogen	N	73
Sulfur	SO <sub>3</sub>	93
Colofermine		606

CROP	RATE
Cereals, sugarcane, sunflower, rapeseed, sugar beet, potatoes	1.0-1.5 l/ha
Corn, sorghum, legumes, vegetables	2.0-3.0 l/ha
Fruits and berries, grapes	3.0-4.0 l/ha
Cotton plant	1.0-3.0 l/ha

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ improves water-holding capacity of plant tissues;
- ✔ stabilizes the intensity of plant respiration;
- ✔ accelerates the rate of chlorophyll formation, prevents the destruction of chloroplasts.

1l  
5l  
10l

DOES NOT CONTAIN EDTA

COMPOSITION		g/l
Sulfur	SO <sub>3</sub>	760
Nitrogen	N	31
Sodium	Na <sub>2</sub> O	197

CROP	RATE
Cereals, sugarcane	1.0-2.0 l/ha
Corn, legumes, sunflower, rapeseed, sugar beet, potatoes, vegetables	1.0-3.0 l/ha
Fruits and berries, grapes	2.0-4.0 l/ha
Cotton plant	1.0-3.0 l/ha

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ has characteristic fungicidal properties;
- ✔ promotes growth of protein and gluten percentage;
- ✔ improves nitrogen nutrition of plants.

1l  
5l  
10l

DOES NOT CONTAIN EDTA

COMPOSITION		g/l
Manganese	Mn	80
Nitrogen	N	97
Sulfur	SO <sub>3</sub>	116
Colofermine		440

CROP	RATE
Cereals, sugarcane, sugar beet, corn, sorghum, legumes, potatoes	1.0-2.0 l/ha
Sunflower, rapeseed, vegetables	0.5-1.0 l/ha
Fruits and berries, grapes	2.0-3.0 l/ha
Cotton plant	1.0-3.0 l/ha

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ prevents lodging of crops;
- ✔ increases the intensity of root respiration;
- ✔ regulates metabolic processes in plants;
- ✔ has characteristic fungicidal properties.

1l  
5l  
10l

DOES NOT CONTAIN EDTA

COMPOSITION		g/l
Molybdenum	Mo	130
Nitrogen	N	41
Colofermine		255

CROP	RATE
Legumes (seeds), potatoes (tubers)	0.5-0.8 l/t
Legumes, sugar beet, potatoes, vegetables	0.3-0.5 l/ha

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ activates nitrogen fixation by nodule bacteria;
- ✔ prevents accumulation of nitrates;
- ✔ increases protein content in legumes.

1l  
5l  
10l

DOES NOT CONTAIN EDTA

COMPOSITION		g/l
Cobalt	Co	90
Nitrogen	N	102
Sulfur	SO <sub>3</sub>	124
Colofermine		468

CROP	RATE
Cereals (seeds), sugarcane	0.3-0.5 l/t
Cereals, sugarcane, legumes, sugar beet, grapes	0.1-0.15 l/ha

### ADVANTAGES OF APPLICATION:

- ✔ increases yield by 10%+;
- ✔ stimulates nucleic acid metabolism and formation of proteins;
- ✔ increases the yield of sugar beet, grain crops and flax;
- ✔ in vineyards increases the yield of berries and their sugar content.

1l  
5l  
10l

# MICROFERTILIZERS CLASSIC



DOES NOT CONTAIN EDTA	COMPOSITION		g/l	CROP		RATE	<b>ADVANTAGES OF APPLICATION:</b> ✓ increases yield by 10%+; ✓ strengthens the protein-synthesizing system; ✓ activates the process of photosynthesis; ✓ increases enzyme activity; ✓ regulates phosphorus metabolism in plants.	1l
	Magnesium	MgO	83	Cereals, sugarcane, sunflower, rapeseed, vegetables	1.0-1.5 l/ha	5l		
	Nitrogen	N	72	Legumes, corn, sorghum, sugar beet, potatoes	1.5-2.0 l/ha	10l		
	Colofermine		384	Fruit and berries, grapes	2.0-3.0 l/ha			
				Cotton plant	1.0-3.0 l/ha			



DOES NOT CONTAIN EDTA	COMPOSITION		g/l	CROP		RATE	<b>ADVANTAGES OF APPLICATION:</b> ✓ increases yield by 10%+; ✓ promotes the development of the root system; ✓ supports the flowering process; ✓ accelerates the ripening of fruits.	1l
	Phosphorus	P <sub>2</sub> O <sub>5</sub>	420	Cereals, sugarcane, sunflower, vegetables	1.0-4.0 l/ha	5l		
	Nitrogen	N	83	Corn	1.5-5.0 l/ha	10l		
	Colofermine		939	Rapeseed, sugar and fodder beet	1.5-4.0 l/ha			
				Legumes, potatoes	2.0-4.0 l/ha			
				Fruit and berries, grapes	2.0-5.0 l/ha			
				Cotton plant	1.0-3.0 l/ha			



DOES NOT CONTAIN EDTA	COMPOSITION		g/l	CROP		RATE	<b>ADVANTAGES OF APPLICATION:</b> ✓ increases yield by 10%+; ✓ increases plant resistance to frost and lack of moisture; ✓ reduces damage to crops by root blight and rot; ✓ improves water supply to plant cells.	1l
	Potassium	K <sub>2</sub> O	361	Cereals, sugarcane, sunflower, corn, rapeseed, sugar and fodder beets, legumes, potatoes	1.5-4.0 l/ha	5l		
	Colofermine		785	Fruits and berries, grapes	2.0-6.0 l/ha	10l		
				Vegetables	1.5-4.0 l/ha			
				Cotton plant	1.0-3.0 l/ha			



DOES NOT CONTAIN EDTA	COMPOSITION		g/l	CROP		RATE	<b>ADVANTAGES OF APPLICATION:</b> ✓ increases yield by 10%+; ✓ regulates the construction of cell membranes; ✓ increases plant resistance to diseases; ✓ improves the commercial quality of fruits.	1l
	Calcium	CaO	206	Vegetables, cucurbits	1.0-4.0 l/ha	5l		
	Nitrogen	N	103	Fruit and berry crops, grapes	2.0-5.0 l/ha	10l		
	Colofermine		953	Cotton plant	1.0-3.0 l/ha			

## **CONTACTS:**

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