

MAXIMUS

water soluble fertilizers



MAXIMUS AminoMicro

The basic MAXIMUS Platinum fertilizer series is recognized and appreciated by farmers, where some of the microelements (Fe, Mn and Zn) are complexed with **lignosulfonates**. Thanks to this solution, there is an increase in nutrient sorption, an increase in the resistance of plants to mechanical damage and crop damage caused by certain plant pathogens. MAXIMUS Platinum fertilizers have been enriched with **MPC²** (Micro Protection Complex), which stimulates proper growth and better utilization of soil nutrients, and prevents nutrient deficiencies.

How do they work?

- lignosulfonates assist in the transport of water and mineral salts contained therein;
- they are binders - they are responsible for the compactness of the cell structure, thereby giving the tissues compressive strength and maintaining their rigidity;
- they take part in the process of respiration and photosynthesis;
- they increase nutrient sorption;
- they stimulate vegetative growth, reproduction and fruiting, promote rooting of plants;
- they help stabilize emulsions so they act as surfactants;
- many scientific studies have shown that lignosulfonates exhibit fungistatic activity and reduce plant infection by some diseases;
- they provide anti-transpirant functions - reduce the risk of plant burns;
- they do not cause phytotoxic effects even when used at low temperatures;
- they produce an outer protective layer on the leaves and stems of the plant, which makes it difficult for harmful substances and pathogens to penetrate into their interior;
- micronutrients complexed by lignosulfonates are characterized by high penetration by the cuticle.

The advantage of MAXIMUS AminoMicro fertilizers is the increase in efficiency and the rate of microelement uptake compared to microelements used in the form of synthetic salts or chelates. This is due to the faster retrieval of amino acid links of the micronutrients by leaves and fruits and greater mobility of these connections in the plant. Remember that the ions in fertilizers are complexed with amino acids - the complex has no electrical charge. The use of amino acids in fertilizers improves the condition of plants and their resistance to abiotic stresses, and stimulates them to grow and develop.

The presence of glycine in the fertilizer contributes to the increase in chlorophyll concentration in plants, which leads to increased photosynthesis efficiency. Scientific studies show that the use of glycine complexes increases the total weight of leaves, stems and roots.

MAXIMUS AminoMicro - fertilizing without compromise

- Uncompromising microelements supply for plants,
- Uncompromisingly quick action of microelements,
- Uncompromising rate of microelements transportation in plants,
- Uncompromising elimination of even the hidden nutrient deficiencies,
- Uncompromising fertilizer contents, adjusted to the needs of specific crops,
- Uncompromising use of the positive effect of microelements complexed with glycine on plant metabolism,
- Uncompromising use of biostimulating properties of MPC²,
- Uncompromising stimulation of growth and development of crops, particularly in periods of biotic and abiotic stress,
- Uncompromising and measurable benefits from the yields and quality of yields.



NUTRIENT CONCENTRATION:	[% W/W]										
	N	P ₂ O ₅	K ₂ O	MgO	SO ₃	B	Cu	Fe	Mn	Mo	Zn
MAXIMUS Platinum 20+20+20	20	20	20	0.2	0.4	0.05	0.06	0.11	0.01	0.001	0.04
MAXIMUS Platinum extra N	30	8	11	1.4	2.8	0.05	0.06	0.11	0.01	0.001	0.04
MAXIMUS Platinum extra P	12	50	6	0.6	1.2	0.05	0.06	0.11	0.01	0.001	0.04
MAXIMUS Platinum extra K	14	8	32	1.1	2.2	0.05	0.06	0.11	0.01	0.001	0.04
MAXIMUS Platinum extra Mg	15	5	5	12.0	23.0	0.05	0.06	0.11	0.01	0.001	0.04
MAXIMUS Platinum extra PK	5	20	35	-	3.7	2.00	0.06	0.11	0.01	0.001	0.04
MAXIMUS Platinum extra S	7	-	15	-	50.0	0.05	0.06	0.11	0.01	0.001	0.04
MAXIMUS Platinum extra PKMg	-	25	20	10.0	22.0	0.05	0.06	0.11	0.01	0.001	0.04
MAXIMUS extra ZnBMg	-	-	-	2.5	9.0	11.00	0.06	0.11	0.01	0.001	5.00



NUTRIENT CONCENTRATION:	[% W/W]									
	N	P ₂ O ₅	K ₂ O	MgO	B	Cu	Fe	Mn	Mo	Zn
MAXIMUS AminoMicro Universal	-	11	7	2	0.34	2.0	6.0	3.0	0.04	2.0
MAXIMUS AminoMicro Cereals	11	-	7	-	0.34	5.0	2.0	4.0	0.04	2.0
MAXIMUS AminoMicro Rape/ Sugar beet	11	-	7	-	2.0	1.5	3.0	4.0	0.04	1.5
MAXIMUS AminoMicro Maize/ Potatoes	-	11	7	-	2.0	2.0	2.0	3.0	0.04	5.0