

# StarterMn Platinum



## Stoller Solution for optimal nutrition to improve natural crop resilience\*

The Stoller's Formulation Technology designed for **StarterMn Platinum** contains macro and micronutrient complexes of manganese, boron, copper, molybdenum, zinc, nitrogen and sulphur. Thanks to this nutrient supply, we ensure the nutritional balance of the plants and **promote their natural resistance to diseases and pathogens, which will improve the productivity and profitability of the crop.**

### High quality formulation with Platinum Technology

The nutrients present in **StarterMn Platinum** intervene in physiological processes and minimize deficiencies caused by limited soil availability and the effects of adverse situations. Thanks to the complexes of macro and micronutrients, we get the plant to improve the translocation and integration of the elements in the cells. In addition, the Platinum technology contributes to a high stability of the formula allowing the product to be mixed with other products.



- ✓ **Better use of nutrients.**
- ✓ **Increased absorption, translocation and assimilation in physiological functions.**
- ✓ **Provide the main micronutrients related to the synthesis of defense compounds, increasing the natural resilience of plants to diseases.**

### Stoller's Formulation Technology

Nutrients	S	Mn	N	Zn
Content	11.5%	5%	5%	3%
Physiological properties	Efficiency of N. Antioxidant effect. Promotes photosynthesis. Synthesis of aa.	Formation of lignin and phytoalexins. Promotes photosynthesis. Regulates auxin levels. Antioxidant effect.	Protein formation. Formation of cytokinin.	Auxin formation. Promotes photosynthesis. ATP and protein synthesis.
Nutrients	B	Cu	Mo	
Content	0.3%	0.3%	0.05%	
Physiological properties	Prevents auxin degradation. Cell division.	Formation of lignin. Antioxidant effect. Increases photosynthesis and respiration.	Assimilation of N. Antioxidant effect. Protein synthesis.	

Density (kg/L): 1.34 ± 0.02

pH: 1.0-2.0

Conductivity (ms): 30-40



\*Thanks to Stoller Formulation Technology, we provide the appropriate nutrition that naturally intervenes in the physiological processes of the plants.

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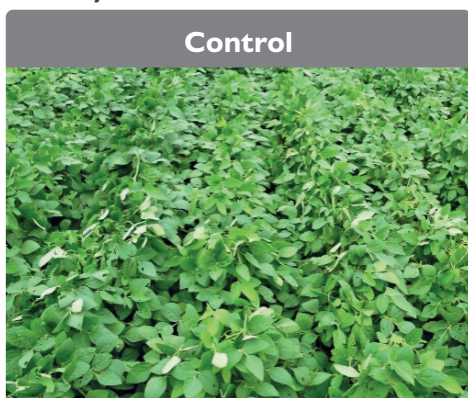
## Efficiency level

Fertiliser source	Application	Penetration	Integration	Incorporation on physiological process
StarterMn Platinum	●	●	●	●
Mn Phosphine	●	●	●	●
Mn Sulphate	●	●	●	●
Mn-EDTA	●	●	●	●
Mn-Amino acids	●	●	●	●
Mn-Carbonate	●	●	●	●

● High   
 ● Medium   
 ● Low

## Evidences

### • Soy



In the plot where **StarterMn Platinum** was applied at 2L/ha together with the post-emergence herbicide, the farmer produced 3.9 Tn/ha, 0.3 Tn/ha more than in the control plot.

### • Rice

A battery of 9 different tests were carried out in different locations where a dose of 2 L/ha was applied together with the post-emergence herbicide. In all trials with the application of **StarterMn Platinum** it was possible to increase production by an average of +0.8 Tn/ha.

Trial	Control	Stoller	Production Increased
1	9.3 Tn/ha	10.4 Tn/ha	+1.1 Tn/ha
2	9 Tn/ha	10.5 Tn/ha	+1.4 Tn/ha
3	10 Tn/ha	10.7 Tn/ha	+0.7 Tn/ha
4	10.8 Tn/ha	11 Tn/ha	+0.6 Tn/ha
5	9.6 Tn/ha	10.3 Tn/ha	+0.6 Tn/ha
6	8.8 Tn/ha	9.7 Tn/ha	+0.9 Tn/ha
7	9.6 Tn/ha	10.2 Tn/ha	+0.6 Tn/ha
8	9.6 Tn/ha	10.4 Tn/ha	+0.8 Tn/ha
9	8.1 Tn/ha	9 Tn/ha	+0.9 Tn/ha