



VIENER[®] Zn

STRAIGHT INORGANIC MICRONUTRIENT FERTILISER
Micronutrient suspension fertiliser
Micronutrient fertiliser, 26 % Zn (oxide, DTPA, EDTA, HEEDTA)

26,0 % total zinc (Zn)

pH range guaranteeing acceptable stability of the chelate: between pH=4 and pH=10

To be used only where there is a recognized need. Do not exceed the application rate.

Applications

Use VIENER[®] Zn directly on the seeds. Apply uniformly.

Dosage: corn, rice, wheat, soybean: 300 tot 500 g of VIENER[®] Zn per hectare.

Role of zinc

Zinc is essential for good action of numerous enzymes (tartaric acid decarboxylase and oxalic acid decarboxylase, phosphatase, enolase and aldolase) and participates in chloroplast-metabolism.

Zinc is most famous for the part it plays as part of carbondioxideanhydrase. This enzyme acts in the cellprotoplasm and regulates the $H_2CO_3 \rightarrow CO_2 + H_2O$ - reaction
Zinc also stabilizes cytoplasm-structure (ribosomes) and enhances the synthesis of tryptofane (and thus auxine (= phytohormone)), sugars and proteins.

Symptoms of zinc-deficiency

Zinc-deficiency is visible as a pronounced chlorosis of the leaves, while the veins remain green. Development of young leafs and growth are interrupted. Generally, these symptoms can be first seen in the upper plant part.

Sustained zinc-deficiency causes leaf-margins, and later on the whole leaf, to become brown.

In corn, chlorosis is combined with undulation of the leaf-margin, shortening of the stems between the leaves – the plant gets a « bushy » appearance –and spadixes that remain in their husks.

Characteristics

Using VIENER[®] Zn supplies to the young plant sufficient Zn to guarantee a good start of the crop. The quantity of Zn in VIENER[®] Zn is sufficient to prevent Zn deficiencies in the young plants during the first weeks of growth. VIENER[®] Zn guaranties supplying continuously small quantities of Zn that respond to the standard Zn demand of most young plants. In case of important Zn deficiencies, when the crop has reached a more advanced growth stage, substantial Zn fertilization will be needed (in this case, we recommend foliar applications of CHELAL[®] Zn).

Precautions

- wash hands thoroughly after handling; do not drink, eat or smoke during handling.
- if swallowed, seek medical assistance.
- in case of contact with eyes, rinse with plenty of clean water.
- store in a cool, dry place, out of reach of children and animals and far away from food products. Always keep the product in its original container.
- store the product at a temperature between 40°F and 90°F (= 5°C - 30°C).

Miscibility

VIENER[®] Zn is miscible with most pesticides and herbicides used in seed treatment. In no case shall BMS Micro-Nutrients be liable for adverse effects on seed germination resulting from mixture with other products. In all cases, it is advisable to conduct a preliminary germination test. In case of doubt, consult our technical service.

Preparation of the solution

VIENER[®] Zn is to be used directly on the seeds. VIENER[®] Zn can be diluted with water. Seeds have to be dried after application. Avoid excessive dilution in order not to wet the seeds to much and to prevent unwanted seed germination.

Warranty

The liability of the manufacturer is limited to delivery of the product in its original container in conformity with the guaranteed analysis, as indicated on this label. The manufacturer is not responsible for inappropriate or inaccurate use of the product nor for damage caused by weather conditions, soil characteristics or special sensitivity of crops and varieties. In no case shall BMS Micro-Nutrients be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. BMS Micro-Nutrients makes no warranties of merchantability of fitness for a particular purpose nor any other express or implied warranty except as stated above.

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Authorized in organic production in accordance with EU-regulations 2018/848 and 2021/1165