

## Product Data Sheet

### NoroTec™ Manganese



#### FIELD OF APPLICATION

Micronutrient for seed application against manganese deficiency and improved root establishment.

#### Content per litre

150 g manganese, 80 g sulphur. The content is chelated.

#### Precaution

Dangerous: Risk of serious health injuries at long time exposure by breathing or eating. Toxic to water living organisms, can cause harmful effects in the water environment.

Keep out of reach from children. Avoid inhaling the spray-mist. Use suitable protective gloves and face protection. This material and its container shall be taken care of as hazardous waste. Avoid contaminating the environment. Read special instructions/safety data sheet.

To avoid risks for humans and the environment, follow the recommendations.

#### Storage

Stored in frost free, cool and dry premises. *Storage temperature -0°C to +30°C*. Shelf life 2 years.

#### Manganese deficiency

Manganese deficiency gives “grey-spot disease” in cereals. The leaves get grey to brown spots on the lower part and often the leaves breaks in the middle, decay and dye. The grain setting will be weak and green shoots develop. Dicotyledonous crops get yellow veins, often with dark spots between the veins.

Experiences have shown, that sandy soils, high pH, organic matter and after cold, wet weather are conditions favouring manganese deficiency. The most susceptible crops are oat, wheat, rape-seed, sugar beets and potatoes. Peas and barley are less susceptible, while rye has a relative little need of manganese.

#### SEED APPLICATION DIRECTIONS FOR USE

Advantages with the application;

- All manganese applied will be taken up by the seed & plant.
- Manganese is available, when the growth starts.
- Increased root development and a strong leaf mass is created. ➤ Ensures a healthy plant that is resistant to diseases.

NoroTec™ Manganese is applied in a seed treatment machine in a separate dosage system = co-applied with standard seed treatment products like \* Tripod, Tripod Plus, Baytan T, Beret Gold, Chinook, Cruiser 350 FS, Dividend, Hypro Duet, Jockey, Kinto, Latitude, Maxim XL Maxim100 FS, Raxil Star, Raxil T, Redigo Deter, and Rovral.

\* For other seed treatment products a test shall be conducted prior to commercial treatment to evaluate compatibility.

**GENERAL:** The operator shall clean the atomizing zone/spraying chamber regularly.

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Recommended dosage rates

<b>Crop</b>	<b>Dosage rate NoroTec™ Manganese litre per tonnes seed</b>
Barley	3
Oat	3
Wheat	3
Rape/Canola	3