



protection^N

Extra Nitrogen from Slurry and Digestates

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Extra Nitrogen from Slurry and Digestates

- ✓ Balanced N Nutrition by Ammonium preservation
- ✓ Improved Nitrogen efficiency and balance
- ✓ Reduced Nitrate leaching
- ✓ Reduced gaseous N₂O losses
- ✓ Higher yields, depending on soil and humidity up to 4-7% (Maize)
- ✓ Easy storage and handling and best stability under cold conditions
- ✓ Biodegradable and non-toxic to crop or environment
- ✓ Flexible timing of applications
- ✓ Biodegradable, bacteriostatic and non-toxic to crop or environment

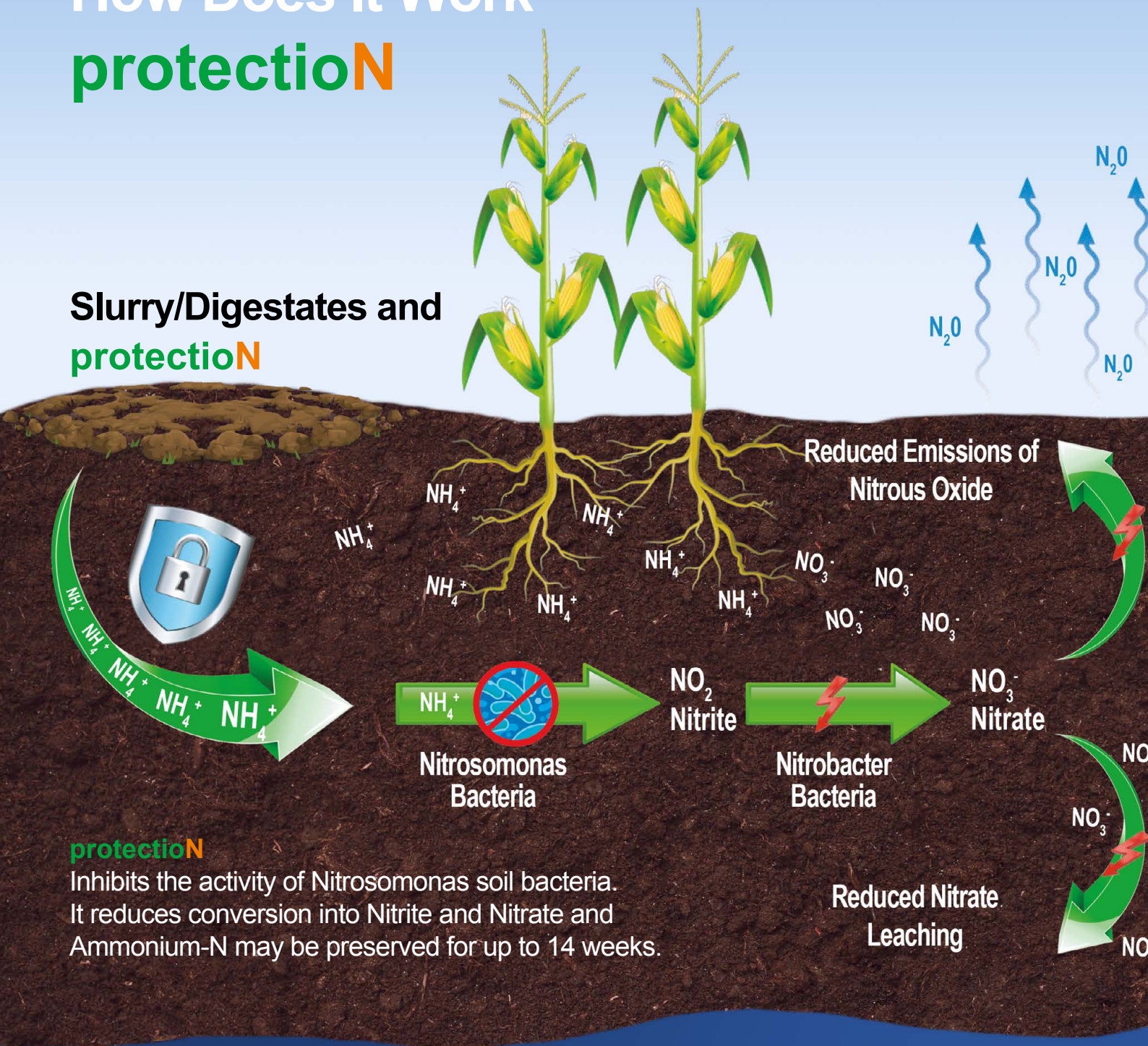


DMPP – The Most Efficient Nitrification Inhibitor

How Does It Work

protectionN

Slurry/Digestates and protectionN



protectionN




Inhibits the activity of Nitrosomonas soil bacteria. It reduces conversion into Nitrite and Nitrate and Ammonium-N may be preserved for up to 14 weeks.

- The use of ProtectionN in organic fertilizers like slurry and digestates delays the conversion from Ammonium into Nitrate.
- DMPP Nitrification Inhibitor keeps NH_4 Nitrogen plant available for up to 14 weeks. It stops soil bacteria which normally transform Ammonium into Nitrate.
- Nitrogen applied is protected against leaching and gaseous losses and will remain plant available for a longer time period.

Application

- Ideally, CroxX ProtectionN is injected by a dosing or by-pass system when the slurry tanker is filled.
- Sufficient mixing provided, ProtectionN may be applied into the full slurry tank.
- For best results treated organic fertilizer shall be used within 14 days.

Application Methods and Dosage (North-Western Europe)

	Method	Crops	Time of Application	Volume
	Broadcasting and Tillage	Cereals, Maize, Rape-seed, Sugar-beet, Potato	Feb - Sep	5 - 6 Liters / ha
	Drag shoe and channel process	Grassland	Mar - Apr	4 - 5 Liters / ha
	Strip-Till	Maize with Strip-Till	Mar - Apr	3 Liters / ha

Technical Information

Density: 1,05 kg / Liter (+/- 0,05)

pH: 3,0 (+/- 0,5)

PFC 5(A) NITRIFICATION INHIBITOR

Active Ingredient: DMPP

(3,4-Dimethyl-1H-Pyrazolophosphate)

According to Regulation (EU) 2019/1009

Available Packages

20L canisters/ 200L canisters /

1000L IBC

Storage

Storage between 0 °C – 40 °C.

Optimal storage temperatures: 10 – 20 °C.

The information given in this brochure is not legally binding. They are for guidance only, even if, based on our current level of knowledge, they can be considered correct. Since the application is subject to a variety of influences such as application, mixing processes, storage conditions, etc., they do not release the user from his own duty of care and we recommend that the suitability of the solution for the specific purpose is determined through your own tests. The user is thereby neither from the obligation to comprehensive inspection of the product upon delivery and released from any other possible obligations. We assume liability for the quality of the solution only until the time of delivery.

