

PIADIN® neo

The nitrogen optimiser

**NEW
PRODUCT**

- ✓ Higher yields
- ✓ Combining slurry applications
- ✓ Greater flexibility
- ✓ Higher nitrogen-use efficiency
- ✓ Reduced nitrous oxide emissions

PIADIN® neo delays the conversion of ammonium into nitrate, but never stops the process completely. This allows the crop to take up both forms of nitrogen as required at any time, ensuring optimum plant nutrition. This improves yield and quality and provides an excellent basis for high nitrogen-use efficiency. Fertiliser applications can also be combined, increasing flexibility.



piadin-neo.de

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EU fertilising product

PFC 5 – Nitrification inhibitor: EU fertilising product in accordance with Regulation (EU) 2019/1009.

Liquid formulation of the active-substance combination 3-methylpyrazole (3-MP) and N-((3(5)-methyl-1H-pyrazol-1-yl)methyl)acetamide (MPA).

97% ammonium nitrate–urea solution; at least 3.61% nitrification inhibitors (3-MP and MPA).

Ingredients: ammonium nitrate (CAS 6484-52-2)*, urea (CAS 57-13-6)*, 3-MP (CAS 1453-58-3)*, MPA (CAS 1627534-02-4)*.

*Substances and mixtures derived from unprocessed raw materials.

pH: 6 – 7

Density: approx. 1.26 g/cm³

Dynamic viscosity (at 20 °C): 3.62 mPa*s

Onset of crystallisation: -20 °C

Colour: Yellowish

PIADIN[®] neo



The nitrification inhibitor (3-MP and MPA)

The nitrification inhibitor (3-MP and MPA) slows the conversion of nitrogen from the stable ammonium fraction to the mobile nitrate fraction by a factor of two to four. This substantially reduces the risk of nitrate leaching and losses through denitrification in the form of nitrous oxide or elemental nitrogen.



The right inhibitor, in the right place, at the right time

Stabilised nitrogen remains available to plants with low losses, even in unfavourable weather. In wet conditions, stabilised nitrogen is protected against movement through the soil and nitrous oxide losses. In dry conditions, it remains available to plants in the root zone.

Application rates and timing*

Application rate in litres per hectare (l/ha):

Crop	February	March	April
Maize, sugar beet, potatoes	–	3.0**	2.5**
Grassland	2.5	2.0	–
Winter wheat, winter rye, winter barley, oilseed rape	3.0	2.5	2.0

The shorter the interval between application and the crop's main period of nitrogen uptake, the lower the required application rate of PIADIN[®] neo.

* For every application of PIADIN[®] neo, good agricultural practice requires application timing to be matched to crop demand.

** For maize grown using strip-till, only 1.5 l/ha of PIADIN[®] neo is required.



Questions?
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