

MIDOTEC[®] LINE



With 3,4 DMPP nitrification inhibitor

The Midotec line consists of slow-release granular fertilisers containing the nitrification inhibitor 3,4 DMPP (3,4 Dimethylpyrazole phosphate).

- With nitrification inhibitor
- Reduces nitrogen losses from leaching
- Increases nitrogen availability
- Improves production yield
- Progressive and long-lasting nutritional supply

The nitrification bacteria are responsible for the transformation of ammonia nitrogen into nitric nitrogen in the soil; this process is slowed down by the inhibitor for 8-12 weeks: the ammonia nitrogen, having a positive charge, is not subject to leaching and remains in the soil for a longer period of time before being transformed into nitric nitrogen, which has a negative electrical charge and is not retained by the colloids of the soil. A greater presence of ammonia nitrogen ensures a sub-acid environment for the root, with benefits on the assimilation of the less mobile mineral elements in the soil.

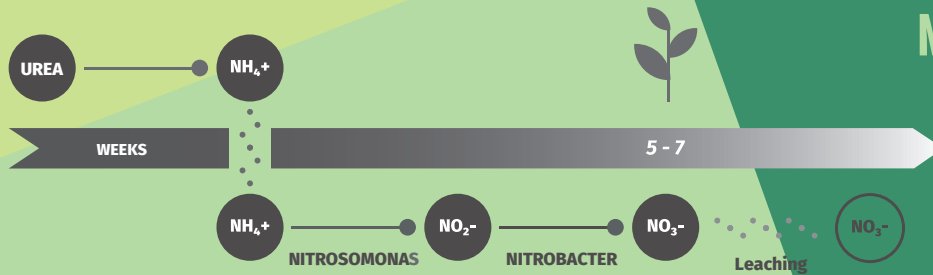
A greater presence of ammonia nitrogen ensures a sub-acid environment for the root, with benefits on the assimilation of the less mobile mineral elements in the soil.

The use of Midotec fertilisers brings obvious economic benefits for farmers, in particular a greater availability of nitrogen for cultivation, which means fewer fertiliser applications

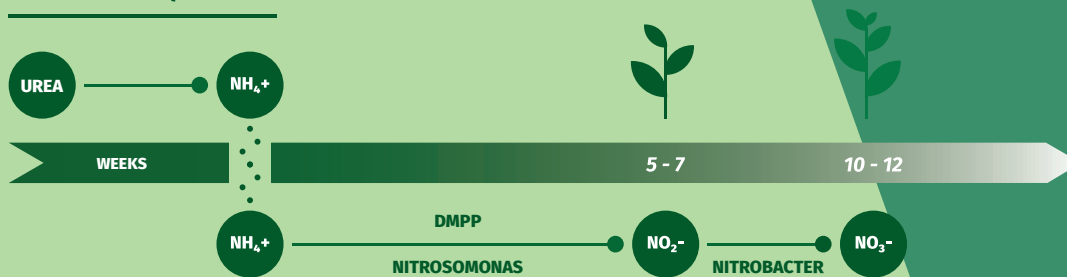
MIDOTEC® LINE



UREA NITROGEN/STANDARD



UREA NITROGEN/MIDOTEC



3,4 DMPP Nitrification inhibitor

Composition	%	25.15 NP+SO ₃	15.28 NP+SO ₃ +Fe	16.20 NP+SO ₃ +Fe	21 N+SO ₃	26 N+SO ₃	46 N
Nitrogen(N) total		25	15	16	21	26	46
of which (N) nitric		-	-	-	-	-	-
of which (N) ammoniacal		16	15	16	21	17	-
of which (N) urea		9	-	-	-	9	46
Phosphorus pentoxide (P ₂ O ₅) soluble in neutral ammonium citrate and water		15	28	20	-	-	-
Potassium oxide (K ₂ O) water soluble		-	-	-	-	-	-
Magnesium oxide (MgO) water soluble		-	-	-	-	-	-
Sulfur trioxide (SO ₃)		28	18	28	60	48	-
Boron (B) water soluble		-	-	-	-	-	-
Iron (Fe)		-	2	2	-	-	-
With DMPP nitrification inhibitor 3,4 DMPP (3,4 Dimethylpyrazolophosphate)							

MIDOTEC® LINE



The use of MIDOTEC fertilizers naturally brings economic benefits for the farmer, in particular:

- Greater availability of nitrogen for crops, which means fewer fertilizer applications.
- Significant reduction of nitrogen losses due to leaching and volatilization, in compliance of the environment.

Midotec fertilisers can be applied over the entire area or located along the row for basal or top dressing fertilisations.

Midotec line products respect the environment and comply with the European regulations for the reduction of nitrogen and carbon dioxide emissions into the ecosystem.

Composition	%	12.8.25 NPK+SO ₃	13.13.20 NPK+SO ₃	20.12.10 NPK+MgO+B	22.9.24 NPK	19.0.35 NK	24.0.29 NK	32.0.18 NK
Nitrogen(N) total		12	13	20	22	19	24	32
of which (N) nitric		5,5	5,5	9	-	-	-	-
of which (N) ammoniacal		6,5	7,5	11	3,6	-	-	-
of which (N) urea		-	-	-	18,4	19	24	32
Phosphorus pentoxide (P ₂ O ₅) soluble in neutral ammonium citrate and water		8	13	12	9	-	-	-
Potassium oxide (K ₂ O) water soluble		25	20	10	24	35	29	18
Magnesium oxide (MgO) water soluble		-	-	2	-	-	-	-
Sulfur trioxide (SO ₃)		15	7	-	-	-	-	-
Boron (B) water soluble		-	-	0,1	-	-	-	-
Iron (Fe)		-	-	-	-	-	-	-
With DMPP nitrification inhibitor 3,4 DMPP (3,4 Dimethylpyrazolophosphate)								



Bag
25 kg



Big bag
600 kg



Mechanical
application



Slow-release



Sustainable
technology

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