



## With NBPT urease inhibitor

The **Aurea** line includes slow-release fertilisers containing urea nitrogen with the urease inhibitor **NBPT "N(n-butyl) Thiophosphoric Triamide"**.

- With urease inhibitor
- Reduces nitrogen losses due to volatilization
- Increases the availability of nitrogen
- Progressive and prolonged nutritional intake over time

The **urease enzyme** is naturally produced by the fungi and bacteria present in high quantities in the soil surface.

Right after the application, the urea is hydrolysed by the urease enzyme, producing ammonium carbonate and ammonia (highly volatile) which is dispersed into the environment by volatilisation.

By applying **Aurea** to the soil, the **NBPT** inhibits the urease enzyme to slow down the transformation of urea nitrogen into ammonia. In this way, the nitrogen stays longer in the soil and its losses due to volatilisation are significantly reduced.

Ammonia nitrogen guarantees a sub-acid environment for the roots, with a beneficial effect on the assimilation of elements of low mobility in the soil.

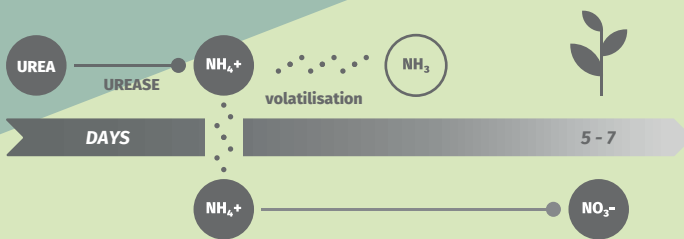
**Aurea** does not need to be buried and enables the scheduling of the top dressing fertilisations regardless of the weather forecast. This feature strongly helps companies in the logistics and organisation of the fertilisation plan.

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

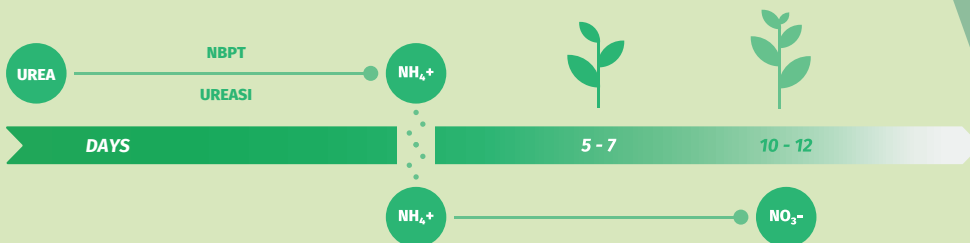


## NBPT urease inhibitor

### UREA NITROGEN / STANDARD



### UREA NITROGEN / AUREA



- Significant decrease in nitrogen losses due to volatilization (up to 50 percent of the applied nitrogen).

- More nitrogen available for cultivation in proportion to needs and at all critical stages for higher yields and higher quality.

- AUREA products are environmentally friendly and comply with European Commission directives on reducing CO<sub>2</sub> emissions into the atmosphere.

Composition	%	22.9.24	24.0.29	32.0.18	34 S	46
		NPK	NK	NK	N+S <sub>3</sub> O	N
total Nitrogen (N)		22	24	32	34	46
of which Nitric Nitrogen (N)		-	-	-	-	-
of which Ammonia Nitrogen (N)		3,6	-	-	11	-
of which Urea Nitrogen (N)		18,4	24	32	23	46
Phosphorus pentoxide (P <sub>2</sub> O <sub>5</sub> )		9	-	-	-	-
<i>soluble in neutral ammonium citrate and water</i>						
water-soluble Potassium oxide (K <sub>2</sub> O)		24	29	18	-	-
water-soluble Sulfur trioxide (SO <sub>3</sub> )		-	-	-	28	-
With <b>NBPT</b> urease inhibitor: N (n-butyl) thiophosphoric triamide						



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