



## LENTE 21 (GR)

### Composition:

TOTAL NITROGEN (N).....	21%
AMMONIUM NITROGEN (NH4).....	21%
SULPHUR (SO3).....	34%
DCD (DICYANDIAMIDE).....	0,8%

### Product description:

Lente 21 is part of our new generation products, fertilizer crystallized being stabilized, which provides 100% of nitrogen as ammonia, ideal and with great efficiency for fertigation use.

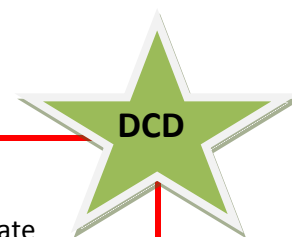
Our product contains in its formulation Dicyandiamide, nitrification inhibitor, which ensures the stability of nitrogen in the soil of the ammonium form.

Lente is an environmental friendly product, due to reduce lost by leaching.

**DCD** is the nitrification inhibitor that retards the transformation of ammonia to nitrate (nitrification) in the soil for a certain period of time, by inhibiting bacteria Nitrosomona (responsible for the first stage of the transformation).

DCD has a bacteriostatic effect, inhibiting its action for a certain period of time, not being bactericide character. At the same time has a high selectivity, inhibiting only the action of bacteria Nitrosomonas, not interfering in other genus of soil bacteria.

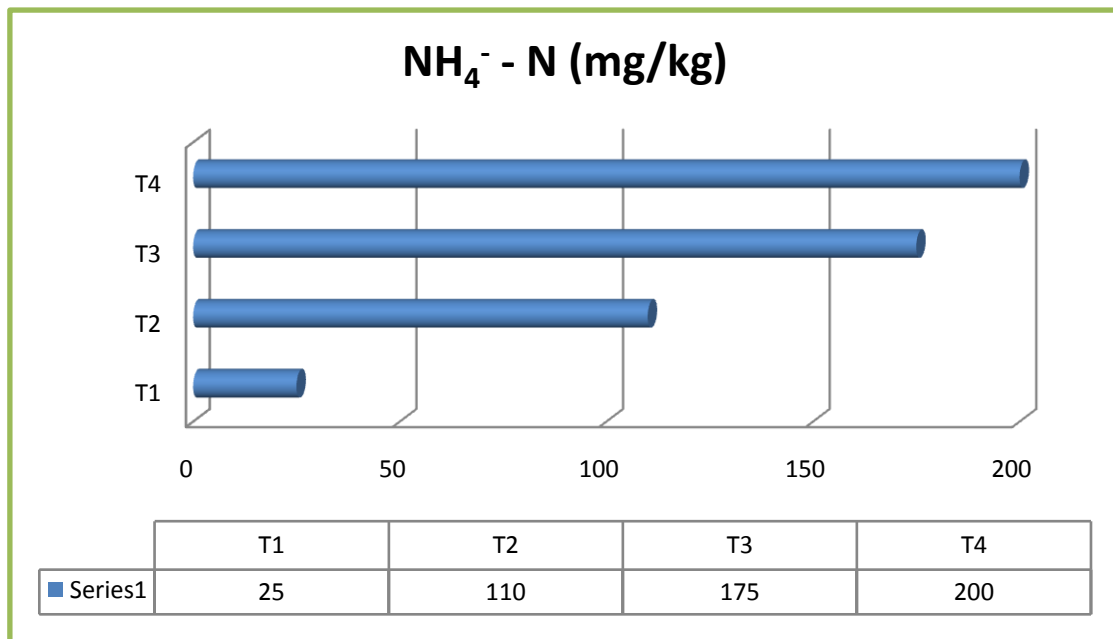
DCD is degraded in its entirety in the ground without leaving residues.





**Benefits and advantages of Lente 21:**

- Controls the accumulation of nitrates in the plant, very important in crops where the leaf or tuber is the part of the plant for consumption.
- Ensures the availability of nitrogen in the form of ammonium (NH<sub>4</sub><sup>+</sup>) which permits energy savings for the plant (not being necessary to reduce nitrate ion in its interior) as well as an improvement in the absorption of other nutrients and increased stimulation flowering, which contribute to increase production.
- Improves the size and uniformity of fruits.
- Helps to reduce nitrate losses by leaching, preventing nitrate pollution of groundwater.
- In fertigation systems, also contributes to the security of your irrigation equipment, it is quick and complete solubility, being free of carbonates and having high acidifying power, which prevents the formation of precipitates and blockages in irrigation emitters.
- The great amount of Sulphur provides to the crop: Increased crude protein concentration in forages quality improves grain flour, greater uniformity and quality of vegetables, increased tolerance to cold and drought and control of certain soil pathogens.



*Graphic representative of the amount of ammonia nitrogen available in the soil.*

Where: T1 = Control ; T2 = Fertilizer without nitrification inhibitors ; T3 = Fertilizer with other nitrification inhibitors ; **T4 = Lente 21**



### Crop uses:

Lente 21 is recommended for fertigation programs in fruit crops, vineyards, cereals, vegetables and all kinds of agricultural planting in general.

**RECOMMENDED DOSES:** All these recommendations are approximate. It will therefore be necessary to know in advance, the expected production, crop growth stage, planting density. As well as accompany all this information, if possible, with soil, foliar and irrigation water analysis, to better adjust our recommendation.

This fertilizer can be applied either before planting or after the crop is established.

CROP	DOSE (Kg/ha)	TIMING AND METHOD OF APPLICATION
Stone fruit	275 - 550	Divide the dose in 2 applications: 1 <sup>st</sup> : Post harvest 2 <sup>nd</sup> : 15-45 days after sprouting.
Pome fruit	225 - 425	Divide the dose in 2 applications: 1 <sup>st</sup> : Post harvest 2 <sup>nd</sup> : 15-45 days after sprouting.
Citrus	550 - 750	Divide the dose in 3 applications throughout the crop cycle.
Vine	400 - 550	Divide the dose in 2 applications: 1 <sup>st</sup> : Post harvest and 2 <sup>nd</sup> : At pre-flowering.
Leafy vegetables	150 - 300	Divide the dose into 1-2 applications along crop cycle.
Bulb vegetables	225 - 325	Divide the dose into 1-2 applications along crop cycle.
Fruit vegetables	275 - 375	Divide the dose into 3-5 applications along crop cycle.
Potato	400 - 700	Divide the dose in 2 applications: 1 <sup>st</sup> : Pre-plant 2 <sup>nd</sup> : At the beginning of tuber formation.
Plant snuff	450 - 650	Divide the dose of 3 applications: 1 <sup>st</sup> : Transplantation, 2 <sup>nd</sup> : 30 days after and 3 <sup>rd</sup> : 90 days after first application.
Wheat	225 - 325	Divide the dose in 2 applications: 1 <sup>st</sup> : To planting and 2 <sup>nd</sup> : To tillering.
Corn and Sorghum	225 - 325	Divide the dose in 2 applications: 1 <sup>st</sup> : To planting and 2 <sup>nd</sup> : In vegetative phase.
Soy, Peanut and Kidney bean	225 - 325	Divide the dose in 2 applications: 1 <sup>st</sup> : To planting and 2 <sup>nd</sup> : In vegetative phase.
Sunflower	225 - 425	Divide the dose in 2 applications: 1 <sup>st</sup> : To planting and 2 <sup>nd</sup> : In vegetative phase.



**Containers:**

We serve our product in different packed. (If you are interested in another type of packaging do not hesitate to contact us)

**\* 1 kg**

**\* 5 kg**

**\* 10 kg**

**\* 25 Kg**

