



LENTE-MAG (GR)

Composition:

TOTAL NITROGEN (N).....	22%
AMMONIUM NITROGEN (NH ₄).....	14,8%
NITRIC NITROGEN (NO ₃).....	7,2%
SULPHUR (SO ₃).....	30%
MAGNESIUM (MgO).....	6 %
DCD (DICYANDIAMIDE).....	0,8%

Product description:

Lente-Mag is part of our new generation products, fertilizer crystallized being stabilized, which provides most of nitrogen as ammonia and small amount as a nitric. The combination of ammonium nitrogen with DCD, slows the nitrification process. Our product comes with an extra source of Magnesium, highly recommended in extremely acidic or alkaline soils.

Ideal and with great efficiency for fertigation use. 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.

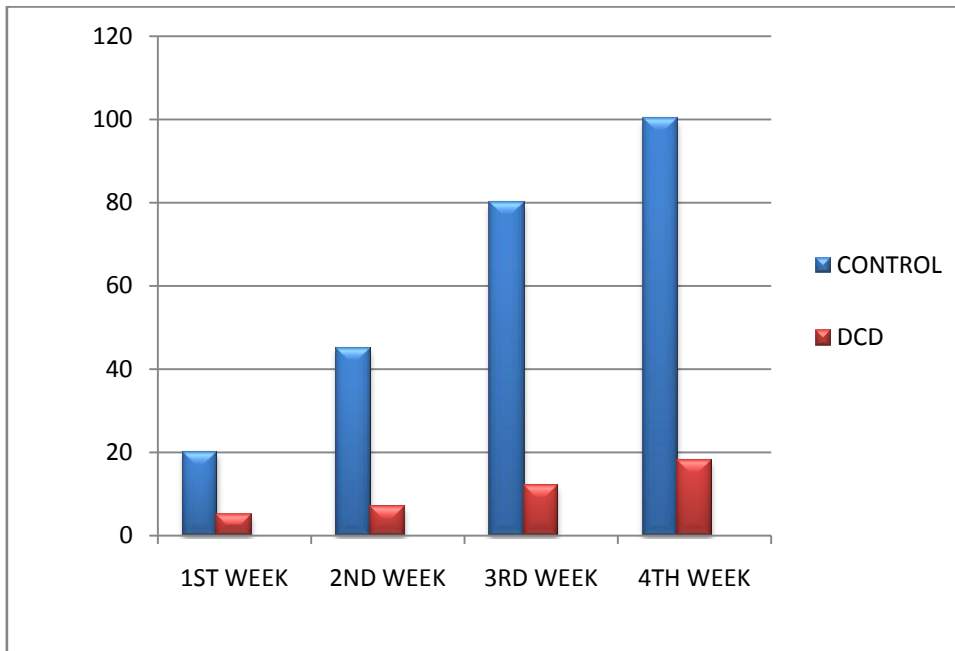


Table 1, % of Nitric Nitrogen lost by leaching.

Benefits and advantages of Lente-Mag:

- 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 (NH₄⁺) 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.
- 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.
- Helps to reduce nitrate losses by leaching, preventing nitrate pollution of groundwater.
- Improves the size and uniformity of fruits.
- 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 important 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.
- Magnesium provides an adequate level of sugars and starch in tubers, in cereal plants produce a good amount of grain.



Crop uses:

Lente-Mag 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	270 - 550	Divide the dose in 2 applications: 1 st : Post harvest 2 nd :15-45 days after sprouting.
Pome fruit	220 - 425	Divide the dose in 2 applications: 1 st : Post harvest 2 nd :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 st : Post harvest and 2 nd : At pre-flowering.
Leafy vegetables	150 - 300	Divide the dose into 1-2 applications along crop cycle.
Bulb vegetables	220 - 320	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 st : Pre-plant 2 nd : At the beginning of tuber formation.
Plant snuff	450 - 650	Divide the dose of 3 applications: 1 st : Transplantation, 2 nd : 30 days after and 3 rd : 90 days after first application.
Wheat	220 - 320	Divide the dose in 2 applications: 1 st : To planting and 2 nd : To tillering.
Corn and Sorghum	220 - 320	Divide the dose in 2 applications: 1 st : To planting and 2 nd : In vegetative phase.
Soy, Peanut and Kidney bean	220 - 320	Divide the dose in 2 applications: 1 st : To planting and 2 nd : In vegetative phase.
Sunflower	220 - 420	Divide the dose in 2 applications: 1 st : To planting and 2 nd : 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**

