N-GOOO NP 12-28

Adriatica

NITROGEN COMPOUND FERTILIZERS WITH DCD NITRIFICATION INHIBITOR OBTAINED BY PHYSICAL COMPACTION

The N-GOOO LINE is the range of slow-release granular nitrogen fertilizers, containing the nitrification inhibitor Dicyandiamide (DCD). The presence of DCD, which inhibits the activity of the Nitrosomonas bacteria responsible for the nitrification process, allows the gradual trasnformation of ammoniacal nitrogen, absorbed by soil colloids and non-washable into the nitric form, highly washable, in a period of time between 60 and 90 days. Throughout this period, nitrogen is made available to the plants gradually, reducing losses both by leaching into the soil and by volatilization in the atmosphere. This allows a dose reduction of up to 20% in fertilizing units, compared to traditional formulations.
The granular formulation of these fertilizers is obtained through compaction, a dry granulation process borrowed from the pharmaceutical industry that uses mechanical compression to agglomerate the particles of the raw materials. This allows for granules to be obtained without adding solvents, which can have a negative impact on the final solubility of the product. The granule obtained by compaction is characterized by easy and fast disintegration, ensuring a rapid assimilation of nutrients by the roots.
The efficacy of the product is also improved by the particular production process in which DCD in the microcrystalline state is mixed with the other raw materials (Nitrogen, Phosphorus, Potassium) and everything is subsequently compacted. This allows to ensure the uniform distribution of the inhibitor in the granule, improving its effectiveness and efficiency both in nutritional and environmental terms.
N-GOOO NP 12-28 is a binary fertilizer (NP) of the N-GOOO LINE recommended for basic fertilizations. It is recommended for pre-sowing fertilizations of cereal crops, at planting and production phase of fruit crops and vineyards, and localized on beets, especially in soils rich in assimilable potassium.

CROP	TIME OF APPLICATION	DOSE/HECTARE*
Fruit crops e Horticultural crops e Cereal crops	Pre-transplanting/sowing fertilization, Post-transplanting/sowing fertilization	200-500 kg

COMPOSITION	
Total nitrogen (N)	12.00%
Ammoniacal nitrogen (N)	3.50%
Ureic nitrogen (N)	8.50%
Nitrogen inhibitor Dicyandiamide (DCD)	2.50%
Inhibitor content as a mass percentage of the total nitrogen	2.50%
Phosphoric anhydride (P_2O_5) total	28.00%
Phosphoric anhydride (P_2O_5) soluble in water	6.50%
Phosphoric anhydride (P_2O_5) soluble in neutral ammonium citrate and in water	8.00%
Phosphoric anhydride (P_2O_5) soluble in mineral acids	20.00%

PHYSICO-CHEMICAL FEATURES			
GRANULAR			
METHOD OF USE			
	Cover fertilization	Pre-sowing fertilization	Fertilizers for bush transplanting

PACKAGING: 25 KG - PALLET 1500 KG, BIG BAG 600 KG

The choice of the dose is subordinated to various factors and can be varied when necessary. All applications can be repeated in relation to the different crop needs. You can contact our Technical Service for the correct application on specific soils and under specific climate conditions.