



**PRODUCT INFO
& DATASHEET**

02/2023

SICO-ECOTEC NPK 12.12.17 + 2MgO + 8S + TE (L.C.) (purple)
 NPK Fertiliser stabilised with nitrification inhibitor (DMPP) and micronutrients,
 SOP based - EC Fertiliser, low in chlor.
*Engrais NPK stabilise avec inhibiteur de nitrification (DMPP) et oligoéléments,
 basé SOP - Engrais CE, pauvre en chlor.*

1. STANDARD SPECIFICATIONS - SPECIFICATIONS STANDARD

* Chemical Analysis / Analyse Chimique	Calculated %	Specification
Total Nitrogen / Azote total (N)	12	5% Nitric Nitrogen / Azote Nitrique (N-NO ₃) 7% Ammoniacal Nitrogen/Azote Ammoniacal (N-NH ₄)
Phosphorus Pentoxide / Anhydride phosphorique (P ₂ O ₅)	12	Soluble in neutral ammonium citrate and in water / soluble dans l'eau et le citrate d'ammonium neutre
Potassium Oxide / Oxyde de potassium (K ₂ O)	17	8 % soluble in water / soluble dans l'eau Soluble in water / soluble dans l'eau (SOP based) Chloride content less than 2%
Total Magnesium Oxide / Oxyde de magnésium (MgO)	2	soluble in mineral acids
Total Sulphur / Soufre (S)	8	0.8% soluble in water / soluble dans l'eau
Total Sulphur Trioxide / Soufre trioxide (SO ₃)	20	6.4% soluble in water / soluble dans l'eau
Total Boron / Bore (B)	0.02	16% soluble in water / soluble dans l'eau
Total Iron / Fer (Fe)	0.06	0.016% soluble in water / soluble dans l'eau
Total Zinc / Zinc (Zn)	0.01	
Nitrification inhibitor 3.4-dimethylpyrazolfosfaat (DMPP)	0.056	

Low chlorine / pauvre en chlor

Fertiliser not able of self-sustaining decomposition (Class C). Produced in E.U., according to E.U. regulation.

*** Physical Properties / Caractéristiques Physiques**

Colour	:purple
Granule size	: 99.5 % = 1-5 mm
Physical appearance	: granular solid fertiliser : rich in potassium, for crops with a high K demand or soils with a poor K supply : high in phosphate, for usage on soils with low phosphate availability or plants with high P demand : high proportion of the phosphate is immediately available for the plants

2. PRODUCT DESCRIPTION

Complex fertiliser with nitrification inhibitor DMPP (3,4 dimethylpyrazolphosphate). Reduces N-leaching and increases N-efficiency. During the active phase of DMPP (4 to 10 weeks, depending on soil temperature and soil humidity) the transformation of ammonium to nitrate is delayed. As a result N-availability is further adapted to the plants' requirements and N-efficiency is increased. Fertiliser based on SOP, for usage in chloride sensitive crops and on salt-affected soils in horticulture and special crops, outdoors and under glass.

3. RECOMMENDATIONS FOR APPLICATION

Thanks to its even granulation the fertiliser can be applied easily with spreaders or by hand. Nutrient distribution is even as every granule contains all nutrients and micronutrients. Application is possible during the whole vegetation period. Watering-in promotes the immediate effect.

1-3 times within the growing season. Application rates must meet the crop requirements. The nutrient content of the soil and previous cultivations must also be considered to avoid over-application. The recommendations of the official advisory service and local agronomists should be followed. Fertilisers with a nitrification inhibitor reduce the risk of nitrate leaching, allow earlier fertilisation, and reduce the amount of nitrogen. The effect of the nitrification inhibitor depends on the climate, weather and soil and may last for 4-10 weeks.

4. STORAGE

In unopened original bags the fertiliser can be stored for longer periods of time. Opened bags should be resealed tightly after removal of fertiliser and be stored in a dry place.



GENERAL:

- Protect stored fertiliser from frost, light and moisture.
- Store loose goods inside a building and not in outdoor areas. Keep doors closed and cover heaped materials.
- As the product has a tendency to attract moisture, protect it from rain and standing water.
- Take note of the hazardous material labels on the product where appropriate.
- Avoid stacking more than two pallets on top of each other. Always cover loose goods and do not offload in the rain.

TEMPERATURE:

- Avoid frost and excessively high temperatures.
- Avoid large temperature fluctuations during storage.

PERIOD:

- When stored correctly, fertiliser (excluding liquid fertiliser) can be stored in its sealed original packaging for up to three years after delivery.
- Products should be used up as quickly as possible once opened.

5. PACKING

In 25 kg SICO partially transparent pe bags on shrinkwrapped pallets, 24 MT/20' fcl or big bags.

Notice to buyer

Careful tests have proven that the product is suitable for the recommended purposes when used in accordance with our instructions. However, since storage and use are beyond our control and we are unable to foresee all circumstances arising therefrom, we are only liable for a consistent quality of the product, but the risk of its storage and use is not borne by us.