



**PRODUCT INFO
& DATASHEET**

SICO® - ECOTEC GREEN

*Green colored NPK fertilisers with DMPP nitrification inhibitor
for application in horticulture and farmland (agriculture).
- EC Fertilisers -*

11/2020

1. INTRODUCTION

Our SICO-ECOTEC range ex EU has been extended with 3 new formulas = our SICO-ECOTEC GREEN range.

SICO-ECOTEC GREEN fertilisers are nitrogenous mineral fertilisers containing the ammonium stabiliser DMPP. This slows down nitrification and therefore ammonium nitrogen in the fertiliser is "stabilised in the soil". In addition to stabilised ammonium nitrogen, SICO ECOTEC GREEN also always contains a proportion nitrate so that it starts to work quickly. This means that the plant can absorb both types of nitrogen simultaneously over a relatively long period and this increases the efficiency of the nitrogen fertiliser once it has been applied. SICO ECOTEC GREEN fertilisers are available in the form of nitrogen-sulphur fertilisers as complex fertilisers. All SICO ECOTEC GREEN products are characterised by the high quality of their grains, which guarantee problem-free storage and precise application.

2. SPECIFICATIONS & CERTIFICATE OF ANALYSIS

Typical chemical analysis	SICO ECOTEC GREEN 12-12-17 + 2 MgO + 24 SO3 + TE (SOP)	SICO ECOTEC GREEN 15-05-20 + 2 MgO + 19 SO3 + TE (SOP)	SICO ECOTEC GREEN 15-15-15 + 21 SO3 (SOP)
Total nitrogen (N)	12 %	15 %	15 %
Ammoniacal Nitrogen (NH4-N)	8.3 %	8.0 %	8.4 %
Nitric Nitrogen (NO3-N)	/	7.0 %	6.6 %
Total Phosphorus Pentoxide (P2O5) soluble in neutral ammonium citrate and in water	12 %	5 %	15 %
Watersoluble P2O5	8.0 %	3.3 %	12.9 %
Total Potassium Oxide (K2O), watersoluble	17 %	20 %	15 %
Total Magnesium Oxide (MgO)	2.0 %	2 %	/
Watersoluble MgO	2.0 %		
Total Sulphur Trioxide (SO3) (low chlor)	24.0 %	19.0 %	21.0 %
Watersoluble Sulphur Trioxide	21.0 %	17.0 %	
<u>Trace elements :</u>			
Total Boron (B)	0.020 %	0.020 %	/
Watersoluble Boron	0.020 %	/	/
Total Iron (Fe)	0.070 %	/	/
Total Manganese (Mn)	0.060 %	/	/
Total Molybdenum (Mo)	0.0004 %	/	/
Water soluble Molybdenum	0.0004 %	/	/
Total Zinc (Zn)	0.040 %	0.100 %	/
Other properties			
- pH (1:10 in water)	> 4.5	> 4.5	> 4.5
- screen analysis	90 % 2.0-5.0mm	90 % 2.0-5.0mm	90 % 2.0-5.0mm
- density	Ca. 1.15 g/l	Ca. 1.15 g/l	Ca. 1.15 g/l
- color	green	green	green
DMPP-3.4 dimethylpyrazolophosphate (indicative only)	The product also contains 0.8 % nitrification inhibitor (3.4-DMPP) related to total ammonium nitrogen.		

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose.
No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

SAP INTERNATIONAL CORPORATION by **Krekelenberg 83, B-2980 Zoersel, Belgium**
Tel. +32-3-309.06.51 Email : info@sico.be Website : www.sico.be



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3. PRODUCT DESCRIPTION

Complex fertiliser with nitrification inhibitor DMPP (3,4 dimethylpyrazolophosphate). 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. **Fertilisers based on SOP, for usage in chloride sensitive crops and on salt-affected soils.**

4. RECOMMENDATIONS FOR APPLICATION

Thanks to its 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.

5. 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.

6. PACKING

- In 25 kg white plastic bags on which we thermoprint SICO logo and product info during bagging (on order to order basis), on pallets, 24 MT/20ft container.
- In 4 loop square big bags of 1000 kg, on pallets, 20 MT/20ft container.
- For truck only: 600 kg big bags, single loop, without pallets.