



**PRODUCT INFO  
& DATASHEET**

# SICO<sup>®</sup> ECOTEC

## *NPK fertilisers with DMPP nitrification inhibitor for application in horticulture and farmland (agriculture).*

9/2019

### **INTRODUCTION**

SICO ECOTEC 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 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 fertilisers are available in the form of nitrogen-sulphur fertilisers as complex fertilisers. All SICO ECOTEC products are characterised by the high quality of their grains, which guarantee problem-free storage and precise application.

	<b>SICO ECOTEC 26-0-0 (+ 13 S)</b>	<b>SICO ECOTEC 12-12-17 S (+ 2 MgO + 8 S + TE)</b>	<b>SICO ECOTEC 14-7-17 S (+ 2 MgO + 9 S + TE)</b>
<b>Typical chemical analysis</b>			
Total nitrogen (N)	26.0 %	12 %	14 %
Ammoniacal Nitrogen (NH <sub>4</sub> -N)	18.5 %	7.2 %	7.9 %
Nitric Nitrogen (NO <sub>3</sub> -N)	7.5 %	4.8 %	6.1 %
Total Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ) soluble in neutral ammonium citrate and in water	0 %	12 %	7 %
Watersoluble P <sub>2</sub> O <sub>5</sub>	-	7.8 %	4.9 %
Total Potassium Oxide (K <sub>2</sub> O), watersoluble	0 %	17 %	17 %
Total Magnesium Oxide (MgO) Watersoluble MgO	0 % -	2 % 1.6 %	2.0 % 1.6 %
Total Sulphur (S) Watersoluble Sulphur	13 % 13 %	8 % 6.4 %	9 % 7.2 %
Calcium Oxide (CaO)*			
<u>Trace elements :</u>			
Total Boron (B)	-	0.02 %	0.02 %
Watersoluble Boron	-	0.014 %	0.014 %
Total Zinc (Zn)	-	0.01 %	0.01 %
<b>Physical properties</b>			
- bulk density	1 t/m <sup>3</sup>	1.15 t/m <sup>3</sup>	1.18 t/m <sup>3</sup>
- screen analysis	90% between 2 and 5mm	90% between 2 and 5mm	90% between 2 and 5mm
- mean diameter >	2.8 – 3.5 mm	3 – 3.6 mm	3 – 3.6 mm
- H <sub>2</sub> O-content	max. 0.7 %	max. 1.5 %	max. 1.5 %
DMPP-3.4 dimethylpyrazolophosphate (indicative only)			
Color	Green	Purple	Green

### **APPLICATIONS**

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.

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

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**SICO FERTILISERS**  
EVERY TIME THE RIGHT SOLUTION



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<p>* <b>SICO ECOTEC</b> <b>NPK 14-7-17 + 2 MgO + 9 S + TE</b></p>	<p>Low chlor (LC) specific fertiliser with trace elements for intensive cultures in vegetables, fruit and open air ornaments and as sulphate formula for potatoes.</p>
<p>* <b>SICO ECOTEC</b> <b>NPK 12-12-17 + 2 MgO + 8 S + TE</b></p>	<p>NPK fertiliser for industry vegetables, potatoes and open air fertilisation of maize etc.</p>
<p>* <b>SICO ECOTEC</b> <b>NPK 26-0-0 +13 S</b></p>	<p>Single nitrogen fertiliser for each application.</p>

***STORAGE***

Keep dry and protect from sun. Keep out of reach of children and animals. Do not store fertiliser near watercourses or waste water. Keep the fertiliser covered, seal bags well after use.

***PACKING***

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

\* The content varies due to the use of natural resources.