



**PRODUCT INFO  
& DATASHEET**

**SICO® POTASNIT-GG 13-0-46,**  
*Crystalline superior greenhouse grade  
fully water soluble potassium nitrate (NK) fertiliser  
for fertigation and foliar spray  
Made in E.U.*

**1/ PRODUCT INFORMATION**

**\* Chemical Analysis**

		<u>Typical</u>	<u>specs. min.</u>	<u>specs. max.</u>
Total Nitrogen (as N)	%	13.5	13.1	-
Nitric Nitrogen (as N-NO <sub>3</sub> )	%	13.5	13.1	-
Water soluble Potassium (as K <sub>2</sub> O)	%	46.2	46	-
Water soluble Potassium (as K)	%	38.4	38.2	-
pH (10% solution)		9	6	11
Loss on drying (moisture)	%	0.1	-	0.2
Water insolubles	ppm	350	-	700
Bulk density	g/ml	1.1	0.9	1.2

Product contains a water soluble anti-caking product.

**\* Physical Properties**

- on 35 US mesh (> 0.5 mm): 12% typ.
- through 170 US mesh (< 0.125 mm): 7% typ.

**2/ USE**

- Fertiliser for fertigation and foliar nutrition & feeding.
- Production of water soluble fertilisers

**3/ BENEFITS OF SICO-POTASNIT Potassium Nitrate fertiliser**

**a/ Efficient plant nutrition**

- 100% plant nutrients      N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O formula: 13-0-46
- 13% N                      = 62% NO<sub>3</sub><sup>-</sup>                      fully consumed by the plant
- 46% K<sub>2</sub>O                  = 38% K<sup>+</sup>                                  leaves no residues in the soil
- 100% KNO<sub>3</sub>

**- Efficient absorption:**

- 1/ the synergistic effect between K<sup>+</sup> and NO<sub>3</sub><sup>-</sup> facilitates uptake of both ions by the plant roots.
- 2/ the electrical affinity between K<sup>+</sup> and NO<sub>3</sub><sup>-</sup> prevents absorption of potassium to soil particles, keeping it available to plants.

**b/ Stronger & healthier plants**

**c/ Higher yields and better quality**

**d/ Reduced effect of soil salinity**

**e/ Water saving**

**f/ Improved soil properties**

**g/ Convenience in handling and application**

**4/ PACKING**

- in 25 kg net UN approved PE bags (with label) on pallets, 24 MT per 20ft fcl.
- in 50 kg net UN approved SICO WPP + PE bags on pallets, 24 MT (+/- 3%) per 20ft fcl.

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