



**PRODUCT INFO  
& DATASHEET**

## **SICOGREEN<sup>®</sup> ECONOMY NPK 12.0.43**

**Fully water soluble crystalline N-K fertiliser.**

*For fertigation, drip irrigation, foliar applications (low chloride).*

*Non-hazardous alternative to Potassium Nitrate (KNO<sub>3</sub>)*

### **1/ PRODUCT SPECIFICATIONS**

#### **1) Chemical Analysis** (Tolerances and deviations allowed as per EU regulations)

	<b>Guaranteed</b>	<b>Calculated Specifications</b>
Nitrogen ( <b>N</b> )	min. 11 %	7.3% Nitrate N ( <b>N-NO<sub>3</sub></b> ) 4.7 % Ureic N ( <b>N-NH<sub>2</sub></b> )
Potassiumoxide ( <b>K<sub>2</sub>O</b> )	min. 43 %	water soluble, low in chloride
Sulphur trioxide ( <b>SO<sub>3</sub></b> )		16 % water soluble

Product does not contain any added trace elements.

#### **2) Physical Specifications**

* Appearance/Colour:	Natural colored crystal powder		
* pH :	concentrations : 1 g/l	2 g/l	3 g/l
	ph : 3.9	3.50	3.36

### **2. GENERAL RECOMMENDATIONS FOR USE**

**As foliar fertiliser** : 0.5 % solution, that is - 1 kg of SICOGREEN for 200 l of water per hectare in open land.  
Repeat 2 to 3 times if needed. - 5 kg of SICOGREEN for 1000 l of water per hectare in arboriculture.

**In fertigation systems** : 1 to 3 g/l of irrigation water.

The above recommendations should be adapted depending on differences in climate, soil temperature, application and irrigation system. Furthermore: the number of applications, the quantity per ha as well as the interval times may vary regarding the culture types and the formulations. Please consult your local dealer or a qualified agronomist.

**Compatibility** : This product is compatible with most pesticides & plantcare products. However, we recommend to try first on small scale to verify compatibility.

### **3. ADVANTAGES**

1. NOT hazardous
2. Alternative to Potassium Nitrate (KNO<sub>3</sub>) 13.0.46 (1kg of Potassium Nitrate = 1.05 kg of SICOGREEN NPK 12.0.43)
3. 3 sources of Nitrogen: > optimized assimilation
4. Rich in Sulfur.

### **Why choose our SICOGREEN ECONOMY NPK FORMULAS 9.0.33 & 11.0.38 & 12.0.43 ?**

These formulas offer following 3 advantages :

#### **1) 2 or 3 Nitrogen forms : progressive and regular assimilation**

	<b>NPK 9.0.33</b>	<b>NPK 11.0.38</b>	<b>NPK 12.0.43</b>
% nitric N	0	3.7	7.3
% ammoniacal N	5.6	2.5	0
% ureic N	3.4	4.8	4.7

#### **2) Rich in Sulfur : essential component of proteins**

	<b>Potassium Nitrate</b>	<b>NPK 9.0.33</b>	<b>NPK 11.0.38</b>	<b>NPK 12.0.43</b>
% SO <sub>3</sub>	0	47	29	16

#### **3) Nutrients solution acidification : better assimilation of the nutrients and reduction of the blockages risks related to calcium**

	<b>Potassium nitrate</b>	<b>NPK 9.0.33</b>	<b>NPK 11.0.38</b>	<b>NPK 12.0.43</b>
pH (3 g/l)	7.88	3.02	3.13	3.36

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.

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