



**PRODUCT INFO  
& DATASHEET**

## **SICO NITRO DKP-L**

*Concentrated soluble liquid fertiliser NPK 0.30.40 (w/v) enriched with humic and fulvic acids.*

updated 26/06/2017

### **1. PRODUCT DESCRIPTION**

**Sico Nitro DKP-L** is a 100% soluble fertiliser concentrate for optimizing crop yields.

**Sico Nitro DKP-L** is a highly concentrated product containing 30% P<sub>2</sub>O<sub>5</sub> and 40% K<sub>2</sub>O. The product is intended to be used as supplemental fertiliser treatment. A nutrient solution designed to meet the needs of today's successful farmers looking to optimize their crop's yields, containing now also humic and fulvic acids.

#### **1) Chemical data**

Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	: 30% w/v
Potassium Oxide (K <sub>2</sub> O)	: 40% w/v
Humic acids	: 1.0% w/v
Fulvic acids	: 1.0% w/v

#### **2) Physical data**

Appearance	: clear brown liquid
Odour	: not distinctive
Solubility in water	: 100 %
Bulk Density	: 1.55 kg per litre
pH 1:100 w/v	: to be indicated each production

### **2. APPLICATION RATES**

\* **Sico Nitro DKP-L** nutrients can be applied by conventional sprayer, concentrate sprayer and by air.

For improved, leaf absorption add 1 to 4.5 ltrs per hectare. **Sico Nitro DKP-L** will also have a buffering effect in hard water.

#### **\* Application caution:**

A compatibility test is recommended if mixing **Sico Nitro DKP-L** in a tank mix. User assumes full responsibility for product, equipment and plant compatibility. Upon foliar application, the phosphate ions are taken up directly by the plant foliage and may undergo a degree of conversion to phosphite ions, or be utilized directly by the plant, as phosphite ions.

As a soil application to annual crops, a lesser response from the initial crop, with a corresponding superior response from succeeding crops, may be observed. In addition, placement close to seeds or root zones may be injurious to crops.

The effect may be aggravated by a soil pH below 6.5.

#### **\* Suggested application rates**

<b>Grape vines</b> bloom	Apply 2 ltrs per hectare three to four times each season, at first full leaf, then at post berry size and three to four weeks prior to harvest.
<b>Apples, nectarines, peaches, pears, plums &amp; citrus</b>	Apply 2 to 4 ltrs per hectare three to four times each season, starting at three quarter leaf, then at early fruit size, fruit midsize and three to four weeks prior to harvest.
<b>Broccoli, brussel sprouts, cauliflower, cabbage</b>	Apply 2 to 4 ltrs per hectare after transplant or from 4 <sup>th</sup> leaf. Repeat every 10-15 days.
<b>Carrots</b>	Apply 1 ltr per hectare from 3 <sup>rd</sup> or 4 <sup>th</sup> true leaf or after thinning. Repeat every 10-15 days.
<b>Cucumbers, squash</b>	Apply 1 to 4 times per hectare soon after transplant or from 4 <sup>th</sup> leaf stage. Repeat every 10-15 days.
<b>Lettuce, celery</b>	Apply 1 to 4 ltrs per hectare after transplant or thinning. Repeat every 10-15 days.
<b>Melons</b>	Apply 2 to 4 ltrs per hectare after transplant. Repeat every 14 days.
<b>Onions, garlic, leeks</b>	Apply 1 to 2 ltrs per hectare after transplant or when enough leaf for spraying. Repeat every 10-15 days
<b>Tomatoes, peppers, eggplant</b>	Apply 1 to 4 ltrs per hectare after transplant or 4 <sup>th</sup> leaf stage. Repeat every 10-15 days.
<b>Potatoes</b>	Apply 1 to 4 ltrs per hectare three to four times during season. The first at early emergence, three to four weeks later and prebloom.

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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