



# SICOGREEN -L POLYPHOS

*Liquid NPK 0-16.4-25 (w/w) – low in chlor*  
*EC Fertiliser with high level of polyphosphates – Made in E.U.*

Revised 13/02/2023

## **1. PRODUCT DESCRIPTION**

- **SICOGREEN -L POLYPHOS** is a pure and highly concentrated phosphate fertiliser where phosphate is available as a mixture of different Polyphosphates.
- Product is transparent, stable solution and is recommended throughout the growing season, especially during periods of intensive growth and when the pH in the irrigation system tends to increase.
- The high level of specific Polyphosphates in this formula increases plant available phosphate and prevents anorganic pollution of the dripping systems and possible clogged drippers.

## **2. PRODUCT SPECIFICATIONS & ANALYSIS**

### **\* Analysis & composition**

	<u>% w/w</u>	<u>% w/v</u>
Phosphorus pentoxide (P <sub>2</sub> O <sub>5</sub> )	16.6 % ± 1.4 %	24.2 % ± 2.1 %
Potassium oxide (K <sub>2</sub> O)	25 % ± 1.5 %	37 % ± 2.2 %

### **\* Heavy metals**

Arsenic (As)	< 5 mg/kg
Cadmium (Cd)	< 5 mg/kg
Chrome (Cr)	< 5 mg/kg
Mercury (Hg)	< 1 mg/kg
Lead (Pb)	< 5 mg/kg

### **\* Physical properties**

Appearance :	colourless liquid
Density :	1.48 ± 0.02 kg/l
pH :	11.5 ± 0.5
crystallization temperature :	-15 °C

## **3. ADVANTAGES & CHARACTERISTICS**

### **\* Advantages**

- Keeps irrigation systems clean from anorganic & mineral pollution
- Improves root and shoot growth
- Developed for fertigation in greenhouses
- Guarantees phosphate availability to plants with reduced risk of precipitation

### **\* Characteristics**

- Highly concentrated solution
- Highly pure colorless transparent liquid
- Low on Sodium and Chloride
- Easy to handle and apply

## **4. USAGE INSTRUCTIONS**

### **\* Step by step**

1. Fill your tank for 10% with water and add the required acid (rest of phosphates)
2. Flush your filling lines
3. Add **SICOGREEN -L POLYPHOS**. Be careful: CO<sub>2</sub> will be set free and can cause foaming
4. Flush your filling lines
5. pH should be below 5. Add extra acid in case needed, in order to overcome a white precipitation
- 6 Add other required fertilisers

**Dosing separately from the trace elements and calcium nitrate tank !**



**PRODUCT INFO  
& DATASHEET**

### **\* Dosing instructions**

#### Cleaning drippers

**20%** of the total phosphates required should be given as **SICOGREEN -L POLYPHOS**, this is about 0.5 mmol/l

#### Increasing Phosphates availability

**40%** of the total phosphates should be exchanged, this is about 1.0 mmol/l

### **5. WHY IS SICOGREEN -L POLYPHOS SO SPECIAL ?**

\* Polyphosphates in **SICOGREEN -L POLYPHOS** will start hydrolysing into Orthophosphates that can be assimilated by plants **ONLY** when they reach the roots and will gradually release their phosphates under the influence of root activity.

**= optimisation of your P fertilisation !**

#### \* Helps you by:

- cleaning the dripping system
  - catching anorganic (cations) pollution
  - limited possibility for organic pollution
  
- increasing phosphate availability
  - less precipitation in highly concentrates stock solution
  - less sensitive for pH in the dripping system
  - when a high level of P or when limited frequency of watering is needed

### **6. COMPATIBILITY**

Compatible with other fertilizers, with the exception of Calcium fertilisers. Therefore a separate tank is needed or fertilisers should be applied on different times.

### **7. PACKINGS**

1 lt / 5 lt / 10 lt / 20 lt / 220 lt / 1000 lt IBC