

PRODUCT INFO
& DATASHEET

SICO-MAP 12.61.0

Application Recommendations & Use

* Usage & Application Recommendations

1. FERTIGATION

SICO-MAP can supply all the plant requirements for P and a portion of the required amount for N.

It is recommended to use **SICO-MAP** at the beginning of the growing season, when a high rate of P is needed for root system development. It can also be used as a P source in tank mixes.

SICO-MAP should not be tank mixed with calcium or magnesium fertilisers.

Because of unique product characteristics, **SICO-MAP** can be applied through any irrigation system and on any growing medium. Unlike phosphoric acid, **SICO-MAP** is moderately acidic. Therefore, it is not corrosive to fertiliser pumps or to irrigation equipment.

Quantitative Fertigation

Each kilogram of **SICO-MAP** in the tank provides 610 grams of phosphorus (P₂O₅) and 120 grams of ammonium nitrogen (N-NH₄). Example from initial establishment to flowering, open-field grown tomatoes require phosphorus at a rate of 1.5 kg P₂O₅ per hectare per day. To provide this, apply **SICO-MAP** at a rate of 2.5 kg per hectare per day.

This will provide also 0.3 kg nitrogen per hectare per day. To complete nitrogen and potassium requirements, apply ammonium nitrate and potassium nitrate.

Proportional Fertigation

The phosphorus concentration in the irrigation water depends on the quantity of **SICO-MAP** in the tank mix, and on the injection ratio. Use the following table to calculate the quantity of **SICO-MAP** and the injection ratio needed to reach a given concentration in the irrigation water.

SICO-MAP g/1000 liter water	Nutrient Concentration (ppm, g/1000 litre)		
	N	P ₂ O ₅	P
100	12	61	27
130	15	79	34
149	17	90	40
185	22	112	50
370	44	225	100

Usage:

- 1) Whenever soluble phosphorus is needed: **SICO-MAP** is the ideal source for fertigation and foliar feeding of all crops.
- 2) Preparation of fertiliser blends: **SICO-MAP** is suitable for blending with SICO POTASNIT (KNO₃) potassium nitrate and other water soluble fertilisers.

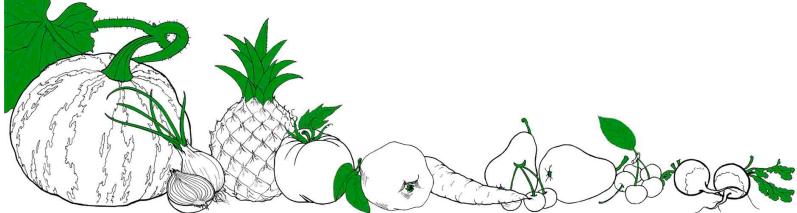
2. FOLIAR FEEDING & SPRAYING

Foliar spray with **SICO-MAP** is effective in supplying phosphorus whenever quick response to deficient plant is required. It should be considered as a supplemental method to soil applied phosphorus. The concentration of **SICO-MAP** solutions can be increased according to leaf age. On young leaves, spray concentration of 0.5% **SICO-MAP** is recommended in most crops. On mature leaves and more tolerant crops higher concentration (1.0% or more) may be applied.

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.

SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be

SICO FERTILISERS
EVERY TIME THE *right* SOLUTION



PRODUCT INFO
& DATASHEET

3. LIQUID FERTILISERS

SICO-MAP is suitable for the production of nutrient solution.

*** COMPATIBILITY & PREPARATION OF FERTILISER BLENDS**

SICO-MAP is compatible with most commonly used pesticides and fertilisers. **However, it should not be mixed with calcium or magnesium fertilisers.** It is advisable to confirm compatibility of your intended spray mix by preparing a sample of the spray materials at their recommended concentration in order to rule out the possibility of a detrimental cross reaction.

This mixture should be sprayed onto small area prior to commercial treatment, in order to assess whether an adverse effect occurs. **SICO-MAP** is compatible with most water soluble fertilisers, except for fertilisers containing calcium (Ca) or magnesium (Mg) to apply **SICO-MAP** in combination with calcium or magnesium fertilisers, use two fertiliser tanks. If only a single fertiliser tank is available, apply those fertilisers at different times.

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.

SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be

SICO FERTILISERS
EVERY TIME THE *right* SOLUTION