



**PRODUCT INFO
& DATASHEET**

SICO-MAGNECAL® H.G.
Horticultural grade of Calcium Ammonium Nitrate +
Magnesium Nitrate derivative
(13.5% N + 16.7% CaO + 6%MgO)
Fully water soluble ideal combination to supply calcium and magnesium.
(in unique pastille form) - Origin : E.U.

1/ PRODUCT DESCRIPTION

| | | |
|------------------|---|--|
| Brand name | : | Sico-Magnecal H.G. |
| Chemical name | : | Calcium Ammonium Nitrate / Magnesium Nitrate |
| Chemical formula | : | $\text{CaNH}_4(\text{NO}_3)_3/\text{MgNO}_3$ |
| Appearance | : | flakes, white/yellowish |

2/ PRODUCT SPECIFICATIONS

| * <u>Chemical analysis</u> | | <u>Typical</u> | <u>Guaranteed</u> |
|--|---|----------------|-------------------|
| Total Nitrogen (N) | : | 13.5 % | +/-0.3 % |
| Nitric Nitrogen (N-NO ₃) | : | 13.1 % | +/-0.3 % |
| Ammoniacal Nitrogen (N-NH ₄) | : | 0.4 % | +/-0.1 % |
| CaO | : | 16.7 % | +/-0.5 % |
| Ca | : | 11.9 % | +/-0.5 % |
| MgO | : | 6.0 % | +/-0.3 % |
| Mg | : | 3.8 % | +/-0.3 % |

| * <u>Physical properties</u> | | |
|------------------------------|---|--------------------------------|
| Density | : | 0.9 g/cm ³ |
| pH | : | 6 – 7 (in 10 % water solution) |
| water insolubles | : | < 0.01 % |
| conductivity (EC) | : | 1.1 mS/cm in 0.1% sol. |
| solubility in water | : | 220 g in 100 g water at 20 °C |

3/ USE & DOSAGE RECOMMENDATIONS

Dosing instructions / Fertigation

| Crop | Application date | Total dosage in kg/ha |
|---|--|-----------------------|
| Olives, grapes | During periods of intensive plant growth and during fruit development stage. | 0.1-0.2% (w/v) |
| Citrus, banana, fruit (apple), strawberry, flowers (open field) | During periods of intensive plant growth and during fruit development stage. | 0.03-0.15% (w/v) |
| Tomato, cucumber | Throughout the crop cycle, especially during fruit development stage. | 0.05-0.07% (w/v) |

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



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Dosing instructions / Foliar

| Crop | Application date | Concentration of spray solution. |
|-------------------------------|--|----------------------------------|
| Olives, grapes | 3-5 applications : - as of the beginning of fruit setting - during intensive plant growth | 0.6-0.8% (w/v) 0.6-0.8% (w/v) |
| Citrus, banana, fruit (apple) | 1-2 applications : - as of the end of flowering/beginning of fruit setting - during intensive plant growth | 0.3-1.0% (w/v) 0.3-1.0% (w/v) |
| Strawberry | 1-2 applications : - at the beginning of fruit setting | 0.3-0.4% (w/v) |
| Cabbage, cauliflower | 3-4 applications : - as of 5 weeks after planting, weekly interval | 0.5-0.8% (w/v) |
| Carrot, onion | 2-3 applications : - as of beginning of intensive growth, 7 to 10 days interval | 0.3-0.5% (w/v) |
| Flowers, open field | 3-5 applications : - as of the beginning of intensive plant growth, 10-14 days interval | 0.5-1.0% (w/v) |
| Tomato, cucumber | 3-5 applications : - as of the beginning of intensive growth, 10-14 days interval | 0.5-0.8% (w/v) |

* Depending on amount of water used.

The above mentioned indicated dosage and application stages are subject to soil and climatic conditions, influence of previous crops and other specific conditions. Exact dosages and application stages can only be given after an objective diagnostic procedure by e.g. soil, substrate and/or plant analyses.

5/ COMPATIBILITY

SICO MAGNECAL HG is compatible with pesticides, though it is advisable to confirm compatibility of your intended spray-mix by preparing a sample of the spray materials at their recommended concentrations 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.

6/ PACKING

Available in big bags of 1000 kg, 20 MT/20ft container.