

EC FERTILISER

# PENTAKEEP<sup>®</sup> *super*

*EC Fertiliser*

*NPK(Mg) 8-5-3 (3) Fertiliser solution with micronutrients and*

*5-aminolevulinic acid*

*For Horticultural use*

## Nutrients Content

Total nitrogen(N):	8.0%	Water-soluble copper(Cu):	0.01%
Nitrate nitrogen(N):	3.0%	Water-soluble iron(Fe):	0.29%
Ureic nitrogen(N):	5.0%	Iron(Fe)chelated by DTPA:	0.29%
Water-soluble phosphorus pentoxide(P <sub>2</sub> O <sub>5</sub> ):	5.0%	Water-soluble manganese(Mn):	0.12%
Water-soluble potassium oxide(K <sub>2</sub> O):	3.0%	Water-soluble molybdenum(Mo):	0.01%
Water-soluble magnesium oxide(MgO):	3.0%	Water-soluble zinc(Zn):	0.07%
Water-soluble boron(B):	0.07%		

 **COSMO SEIWA AGRICULTURE CO., LTD.**





EC FERTILISER

# PENTAKEEP<sup>®</sup> *super*

Contains photosynthesis promoter 5-aminolevulinic acid

***It's different  
from conventional  
fertiliser***

## Unique active ingredients

### • Optimum formulation of ALA

Not all amino acids are effective for plants. PENTAKEEP-super is formulated with an appropriate concentration of 5-aminolevulinic acid, which is highly effective for plant revitalisation.

### • Optimum formulation of micronutrients

Micronutrients are so easily insolubilized depending on the soli pH. PENTAKEEP-super supplelements such imbalance between macro- and micronutrients.

## More growth

- Increases yield
- Increases sugar content
- Shortens cultivation period

## Improves stress resistance

- Promotes plant growth under low light
- Improves cold resistance
- Improves salt tolerance

## What is ALA?

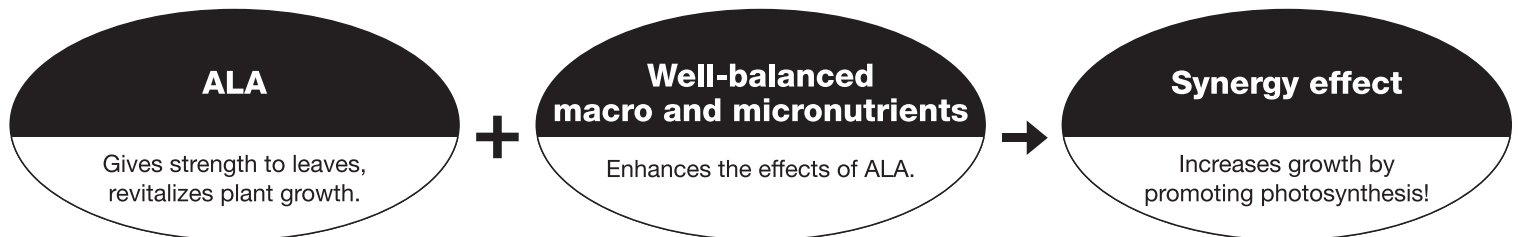
### Actions to the plants

- Increases chlorophyll biosynthesis
- Enhances photosynthetic capacity
- Controls dark respiration
- Extends stomatal aperture
- Promotes fertiliser efficiency
- Increases tolerance to environmental stress.

**ALA (5-aminolevulinic acid)** is a unique precursor of chlorophyll and heme in plants and produced by photosynthetic bacteria. ALA is also found in animal body and plays important roles. It is a natural and useful amino acid and not harmful for human and animal bodies.

### Expected effects

- Maintains leaf colour
- Promotes plant growth and healthy seedlings growth
- Increases yield and quality
- Overcomes the overloading of plants
- Keeps healthy growth under unfavourable environment (low temperatures, little sunlight, dehydration and damage due to salt accumulation, and others).



Those crops which showed positive effects are listed below.  
For further information or any inquiry, please contact our representatives.

Fruit vegetables	Tomato, Cucumber, Strawberry and others	Leaf vegetables	Spinach, Cabbage, Lettuce and others
Cut flowers	Rose, Chrysanthemum, Lisianthus and others	Fruit trees	Orange, Apple, Grape and others
Potted plants	Primula, Cineraria, Benjamin and others	Others	Potato, Sugar beet, Turf grass and others

### Dosage

Route of Application	Dilution/ 100litres water	Application for 1 ha.			Interval between applications
		Water Volume	PENTAKEEP super		
Foliar	25-50 ml	1,000L	0.6 kg	0.5 L	1-2weeks
Rhizosphere	4-16 ml	6,000L	1.2 kg	1.0 L	1-2weeks

### Storage & Handling Instructions

- When using, do not eat, drink or smoke.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Take off immediately all contaminated clothing.
- Wear suitable protective clothing and gloves.
- If swallowed, seek medical advice immediately and show this container or label.
- Keep out of reach of children.
- Always replace the container cap after use.
- Store out of direct sunlight above 0°C and below 30°C

### Manufacturer:

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### For more Information, contact below:

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