



FERTILISER

PENTAKEEP-V®

Contains photosynthesis promoter
5-aminolevulinic acid

Nutrients Content

Total nitrogen(N):	9.5%
Nitrate nitrogen(N):	3.8%
Water-soluble magnesium(MgO):	5.7%
Water-soluble manganese(MnO):	0.30%
Water-soluble boron(B ₂ O ₃):	0.45%

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





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PENTAKEEP-V®

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-V 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 soil pH. PENTAKEEP-V supplements such imbalance between macro- and micronutrients.

Easy, compact & flexible

- Easy to handle
Easy to measure, store and transport.
- Compact design
One bottle of PENTAKEEP-V is worth 5,000ℓ solution.
(When diluted into 0.02%)
- Flexible usage
Can be applied both on foliar and on rhizosphere.

More photosynthesis

- Increases chlorophyll within plants.
- Promotes photosynthetic activities.

What is ALA?

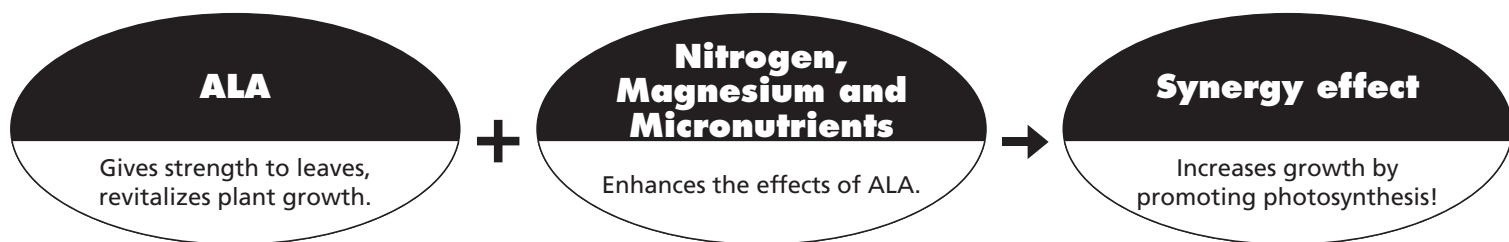
Actions to the plants

- 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

Dilution Rates and Application Amounts

Application method	Dilution range	Typical dilution rate	Example of application per ha			Application frequency
			Volume of Solution applied	Amount of PENTAKEEP-V		
Foliar application	0.05-0.01%	0.02% (16ml / 100ℓ)	3,000ℓ	0.6kg	0.5ℓ	once per 1-2 weeks
Rhizosphere application	0.02-0.005%	0.02% (16ml / 100ℓ)	6,000ℓ	1.2kg	1ℓ	once per 1-2 weeks

Manufacturer:

COSMO SEIWA AGRICULTURE CO., LTD.

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For more Information, contact below:

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