



SICO-SEAPOWER

*Seaweed extract soluble granular
Made in China*

10/2020

1/ PRODUCT DESCRIPTION

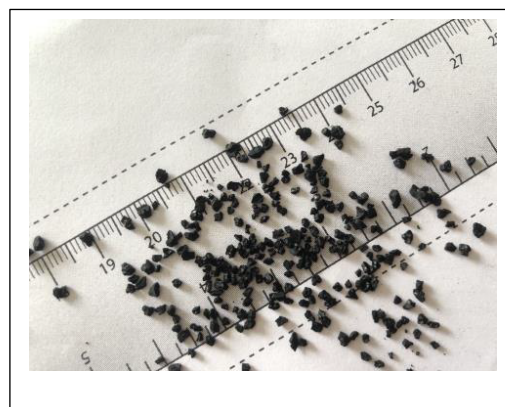
This product adopts imported wild *ascophyllum nodosum* as raw material and is produced through a series of seaweed extract patented technologies developed and researched by Marine Research Institute of the Chinese Academy of Sciences (active substances State Key Laboratory), going into a specific high activity compound strain, then through high temperature aerobic, medium temperature oxygen, low temperature anaerobic, total three periodical fermentations and mechanical granulation, finally dried by sunlight. SICO-SEAPOWER has many features, such as totally decomposed high contents of medium trace elements, hard particles, large volume, low water content, slow-release, controlled release. Safe and efficient. This product is certificated by CERES and OMRI organic certification organizations. This product is applied in all areas of modern agriculture, ornamental horticultural plants and in production of organic agricultural products.

2/ PRODUCT FUNCTIONS & BENEFITS

1. Improves soil: swelling and water absorption, loosens soil, breaks the soil compaction, prevents soil degradation (such as acidification, salinization).
2. Environmental friendly: regulating soil micro ecology, decreases pesticide residues, passivates heavy metals.
3. Reduces diseases: controls the growth of soil borne pathogens, reduces the underground pests.
4. Comprehensive nutrition: Rich in medium trace elements.
5. Promotes well-developed root system, prevents excessive growth, induces plant to produce phytoalexin, increases the ability of crop resistance.
6. Increases yield: promotes flower bud differentiation, increases fruit setting rate, promotes the expansion, improves fruit weight, early maturity.
7. Improves quality: improves fruit color, surface light, hardness, improves the content of solid matters and storage stability.

3/ PRODUCT SPECIFICATIONS

| Ingredients | Content |
|---------------------|--|
| Alginic acid | ≥25.0% |
| Organic matter | ≥55.0% |
| Odour | Seaweed taste |
| N | 1.0-2.0% |
| P2O5 | 1.0-2.0% |
| K2O | ≥13% |
| Micro-elements | ≥0.2% |
| Moisture | ≤5% |
| PH | 8.0-10.0 |
| SOLUBILITY IN WATER | 100% |
| Appearance | Granular (0.5-1mm) (can also be supplied as powder) |





**PRODUCT INFO
& DATASHEET**

4/ APPLICATION METHODS

1/ *According to the modes of fertilization and use of crop classification experiences.*

| Application methods | Crop types | Fertilization period | Dosage | Interval |
|--------------------------|---|---|-------------------------|------------------|
| Basal application | Fruit trees | Before planting/after harvesting | 3-5 kg/individual plant | One year |
| | Field crops | Before planting | 600-1800 kg/ha | One crop season |
| | Land vegetables | Before planting | 2400-3600 kg/ha | One crop season |
| | Vegetables under structure | Before planting | 4800-7200 kg/ha | One crop season |
| Dressing | Fruit trees | After flowering/fruit enlarging/mature period | 1-3 kg/individual plant | No strict limits |
| | Field crops | After flowering | 120-150 kg/ha | No strict limits |
| | Land vegetables | Rosette stage/after fruiting | 600-900 kg/ha | No strict limits |
| | Vegetables under structure | Rosette stage/after fruiting | 1200-1800 kg/ha | No strict limits |
| Hole application | Field crops | Planting | 5-20 g/hole | One crop season |
| | Vegetables | Planting | 10-30 g/hole | One crop season |
| As base material | Seaweed organic fertilizer: Other base material=1:10, mixing well (after crushing will be better) | | | |

2/ *Using remarks as organic fertilizer.*

1. SICO-SEAPOWER is different from conventional organic fertilizer, can be mixed with seeds directly, without burning roots and seedlings and can be added into feed for livestock, improve quality.
2. SICO-SEAPOWER cannot replace conventional commercial organic fertilizer (see our SICORGAN organic NPK's) and farm manure, the using amount of this product is 1/10 of the amount of farm manure.
3. SICO-SEAPOWER is slow-release, particles in the soil can be stored for a long time, effect will appear after 30 days, obvious effect will appear during the first year, effect will full play during the second year, also will continue up to the third year.
4. SICO-SEAPOWER cannot replace the use of chemical fertilizer and/or foliar fertilizer.

5/ PACKING

in 25 kg pp + pe bags, 20 pallets of 1000 kg = 20 MT/20' container.

Video of dissolution is available.