

홍살림
HEUKSALIM

Organic pesticide 500ml

Rural Development Administration Eco-friendly Organic Material Certified
Insect pest control product for organic crops

Product Characteristics

- Broad-scale pesticide containing various natural plant extracts
- Safe pesticide containing no chemical compound ingredients
- Wide using rages such as aphids, stinkbugs, rice insects, scales, etc.
- Products with Korea Organic Farming Materials certified
- Raw Material: Plant extract

How to use

- Spray 1000 times diluted solution (dilute 500ml of Jaldeuleo in 500 L of water)



Use Comparing Image _ Jaldeuleo Rice Insect (Before) Use Comparing Image _ Jaldeuleo Rice Insect (After) Use Comparing Image _ Aphid - Before Spraying Jaldeuleo Use Comparing Image _ Aphid - Before Spraying Jaldeuleo

Wettable Sulfur Powder (500ml)

Rural Development Administration Eco-friendly Organic Material Certified
Disease Control Product for Organic Crops

Product Characteristics

- Product made sulfur with the outstanding sterilizing effect to be easily used for crops
- Safe sterilizer with no chemical compound ingredients at all
- Very effective for fungus diseases including powdery mildew
- Effective in disinfecting seeds and roots
- Raw material: Sulfur

How to use

- Spray 2000 times diluted solution (Dilute 500ml of wettable sulfur powder in 1,000 L of water)



Use Comparing Image _ Powdery Mildew _ No Treatment Use Comparing Image _ Powdery Mildew _ Wettable Sulfur Powder Treatment



Introduction of Materials for Organic Food Production

Heuksalim organic farming is the science in the field. We revive soil, agriculture and environment through ceaseless study and technology development.

- Heuksalim Headquarter : Hanbulo 1136, Buljeong-myon, Goesan-gun, Chungbuk-do
- Heuksalim Ochang Center : Gak-ri 1ro 86, Ochang-eup, Cheongwon-gun, Chungbuk-do
- Heuksalim Research Farm : Seosil-ro 286-138, Buljeong-myon, Goesan-gun, Chungbuk-do
- Internet Home page : <http://www.heuksalim.com>
- Tel : 82-80-333-8179 • Fax : 82-43-216-2959

Company Introduction

Heuksalim does the entire process of organic farming, from production to distribution, with farmers.

Heuksalim is the company leading organic farming in Korea. Since it is established on June 11, 1991, it has been trying to protect the health of farmers and consumers by producing safe agricultural products and to develop organic farming that does not use agricultural pesticides and chemical fertilizers by researching, developing and producing agricultural techniques, agriculture, livestock farming microorganisms, and agricultural materials appropriate for our soils and climates to protect the natural ecosystem.

Organic agricultural materials of Heuksalim effective microorganisms and natural substances born through constant research and field application for more than 25 years. They are helpful in making healthy soils and agricultural products. Heuksalim also guarantees safety and product quality as it thoroughly analyzes raw materials and products and produces various products such as composts, organic fertilizers, raising seedlings, soil conditioners, disease and insect pest control, and product quality management so that they can be used in the entire production process.

Excellence of organic agricultural materials of Heuksalim has been globally recognized, our products have been exported to many countries including China, Philippine, Vietnam, Cambodia, etc. from 2014. We have also actively proceeded overseas business such as microorganism cultivation, material manufacturing technique cooperation, etc.

Heuksalim works together with farmers for all organic agricultural processes from production to distribution



Exciting educational program



Counselling for technologies and management



Practical works for nature-friendly agriculture



Distribution for agricultural products



Analysis for the safety of agricultural products



Reliable organic certification system

HeuksalimGold (2kg)



Rural Development
Administration Eco-friendly
Organic Material Certified
Comprehensive microorganism
improving soil



Bacillus spp.



Fermentation process of compost using Heuksalim Gold

Product Characteristics

- Contain a lot of patented microorganisms including Bacillus
- Effective in growing crops due to a combined action of useful microorganisms
- Strongly restrain soil pathogens including Panama disease (*Fusarium spp.*)
- Increase the content of effective microorganisms in soil
- Very effective in accelerating fermentation of compost
- Can extend cultivation as it contains high-density microorganism seeds
- Products with Korea Organic Farming Materials certified and fertilizer registered
- Raw material: Microorganisms (*Bacillus spp.* and one more), rice bran, zeolite

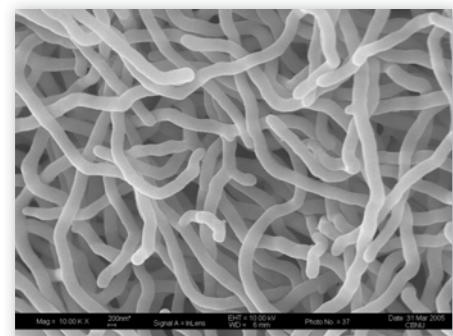
How to use

- When fermenting compost: Use 5kg of Heuksalimgold for each 5 tons of raw materials
- When extending cultivation: Add 1kg of Heuksalimgold and 200 liter of water in 1 ton of rice bran, mix and ferment.

Heuksalim MO-Green (20kg)



Rural Development Administration Eco-friendly Organic Material Certified Superior quality compost born with high-quality organic substances and the microorganism fermentation technique



Streptomyces spp.



Fermentation process of Heuksalim MO-Green

Product Characteristics

- High-quality organic substance compost manufactured with premium raw materials such as rice bran, oil cake, and fermented sawdust satisfying international organic certification standards, without using animal manual at all
- Contain nourishment (N,P,K) high 2~3 times than regular compost, contain more than 40% of organic matters
- Contain a lot of patented microorganisms effective in growing crops
- Contain microorganisms strongly restraining soil pathogens including Panama disease(*Fusarium spp.*)
- Effective in accelerating compost fermentation, improving soil and promoting growing of crops
- Verified its effects in growing crops and restraining Panama disease(*Fusarium spp.*) in the banana farm in Philippines
- Products with Korea Organic Farming Materials certified and fertilizer registered
- Obtained Philippines organic agricultural material certification and import license
- Raw materials: Oil cake, rice bran, sawdust, microorganisms (*Streptomyces spp.* and 3 others)

How to use (kg/1ha)

- Transplant when soil is sufficiently stabilized at least 10 days later after using
- Adjust the amount of use when mixing with regular compost

Crops	Usage
Rice, grass, pasturage, etc.	200~300
Watermelon, strawberry, tomato, oriental melon, red pepper, cucumber, pumpkin, etc.	300~500
Wheat, barley, sesame, bean, corn, etc.	250~300
Garlic, onion, green onion, white radish, carrot, etc.	300~500
Lettuce, spinach, napa cabbage, cabbage, broccoli, etc.	200~300
Fruit trees	250~500
Flowers	300~600
When fermenting compost (1,000 kg)	10

Table 1. Soil physiochemical change after raising crops

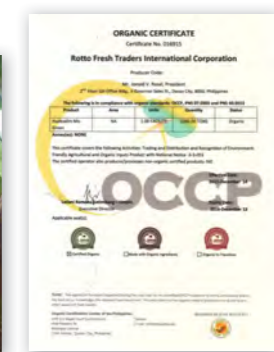
	Treatment	pH (1:5)	Content of Organic Matters (%)	Available Phosphate (mg/kg)	Exchangeable Cation (Cmol+/kg)			CEC (Cmol+/kg)	EC (dS/m)
					K	Ca	Mg		
After raising	Compost	6.9	1.7	223.1	1.25	6.40	1.97	8.58	0.8
	Organic Fertilizer	5.9	1.6	383.6	1.31	7.40	1.86	8.60	14
	No Treatment	6.5	1.5	139.0	1.05	6.29	1.92	8.50	2.1
	Heuksalim Mo-Green	7.1	2.1	270.2	1.19	7.69	2.53	10.94	2.6
Before raising		6.6	1.3	120.3	1.06	6.96	2.12	8.84	1.05



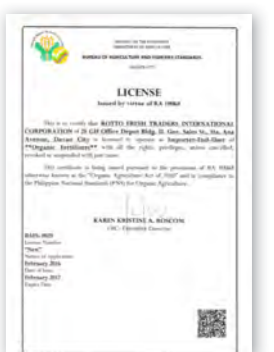
Heuksalim MO-Green Not-Treated Tree in the Banana Farm in Philippine



Heuksalim MO-Green Treated Tree in the Banana Farm in Philippine



Philippines Organic Agricultural Material Certification



Philippines Import License

BIO-CIUM (1 L , 10 L)

Rural Development Administration Eco-friendly Organic Material Certified
Special-processed natural mineral accelerating growing of crops and rising sugar content



Product Characteristics

- "Cium," the surprising substance obtained through Korean traditional ceramic manufacturing process
- Removes toxic substances and promotes cell activities in crops as it is rich in natural mineral
- Radiate functional materials and far infrared radiation
- Relieve high-temperature and low-temperature stress
- Increase production and sugar content of fruits when being constantly used after florescence
- Accelerate growing of seedlings when using periodically during the seedling raising stage
- Products with Korea Organic Farming Materials certified and fertilizer registered
- Raw material: Powder of Cium

How to use

- Inject 200 time's diluted solution or foliage spray (dilute 1 liter of BIO-CIUM for each 200 L of water)
- Constantly use 2~4 times in 7 day intervals

Utilization Cases in Farms

There are utilization cases in Heuksalim member farms that significantly enjoyed the effect of Bio-cium. These are cases in farms that were reported in the Farmers and Fishermen Newspaper. (Farmers and Fishermen Newspaper, March 07 & June 02, 2011)



The blueberry harvest increased 20%
(Byun-gwon Gong from Pyeongtaek)



Strawberry stems are thick and fruits are firm.
(Myung-sun Kim from Chungwon)



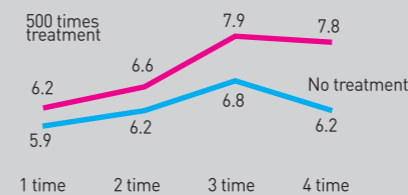
I feel good because I can ship earlier due to good beginning growth. (Geun-tae Choi from Cheonan)



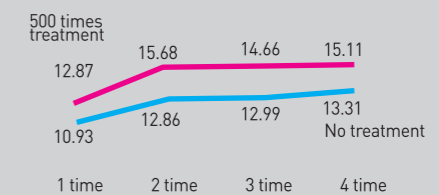
The size of tomatoes is getting bigger.
(Geun-bae Chae from Buyeo)

BIO-CIUM! This is how we conducted the comparative experiment.

Comparison of sugar content of fully matured tomatoes after CIUM treatment



Comparison of the weight per unit of tomatoes after CIUM treatment



Sugar content/Weight Comparison Compared the sugar content and weight of tomatoes treated with 500 times diluted BIO-CIUM solution



Growth Comparison

There are differences in the number of roots and fruits of red pepper. From left to right, No-treatment, 500 times, and 250 times