Crops begin with Soil, and Soil Begins with

BEORCARE

Organic Agricultural Material Soil Conditioner





BEORCARE INTRODUCTION





Crops begin with Soil, and Soil Begins with

ManufacturerB&F WORLDAddress94-27, Yongjeong Gyeongje-ro 1-gil, Gunnae-myeon, Pocheon-si,
Gyeonggi-do, South Korea

Category Soil conditioner

Organic Agricultural Material Registration Number: 2-1-228

- Main ingredient Water-Soluble Silicic Acid 0.0001%
- Raw material Mica solution 100%
- Volume 500ml
- Shelf life 3 years from the date of manufacture

HOW BEOR CARE WORKS

HOW BEORCARE WORKS

DIAGNOSIS

- Reduction in soil microbial diversity > Destruction of soil ecosystems
- Weakened soil self-purification ability > Inhibition of crop growth

Activating organic interactions among indigenous soil microorganisms, plant roots, and soil organic matter through mineral fusion technology

Increased yield, higher soil temperature, strengthened roots



MECHANISM

burden

BEORCARE SOLUTION

PROBLE	Μ	SOLUTION
01	Soil degradation caused by salt accumulation Crop growth is restricted due to continuous cropping and excessive fertilizer use	Salt decomposition and soil detoxificat Activated microorganisms break down accumulate salts and harmful substances in the soil, restoring t microbial balance and creating an environment w crops can thrive
02	Instability in agricultural productivity and income Low yield and quality issues cause instability in farm income	Increased yield and improved quality Promotes root development and strengthens crop growth, increasing yield by an average of over 20% Supports stable income generation for farmers
03	Soil pollution issues and dependence on fertilizers and pesticides Declining soil fertility hinders crop growth, leading to increased use of fertilizers and pesticides → Higher cost	 Maintains soil fertility over the long term, reducing dependence on chemical fertilizers Enhances soil fertility naturally by activating indigenous microorganisms instead of chemical fertilizers → Reduces fertilizer and pesticide use,

leading to long-term cost savings



RESULT

t**ion** ed the **/here**





BEORCARE PATENT

Patent Number : 10-2148169

We have demonstrated BEORCARE's technological expertise through soil improvement technology that activates soil microorganisms using mineral ion exchange.



Title of the Invention

Method for Producing Soil Conditioners by Creating an Environment for Activating Soil Microorganisms Using Natural Mineral Ion Exchange





BEOR CARE EXPERIMENTAL RESULT

BEOR CARE EXPERIMENTAL RESULT

BEORCARE **Microbial Growth Experiment**

Microbial Population increased by 3~4 Times compared to the Control Group





검	사 결	과	
		시 료 명	
			(단위 : CFU/g soil)
S-24	0626		S-240626-B
6.4 >	< 10 ⁵		2.2×10^{6}

2024

BEOR CARE EFFECT - SOIL

BEOR CARE EFFECT - SOIL

PUMPKIN GREENHOUSE



Hardened and Compact Soil Detoxified and Softened



Soil Damage Caused by **Excessive Use of Fertilizers and** Nutrients



GREEN ONION GREENHOUSE

Soil Recovered from Damage Through **BEORCARE**

BEORCARE EFFECT – RICE

BEORCARE EFFECT - RICE







BEORCARE EFFET – VARIOUS CROPS



Jeju citrus

Top-grade growth with fullness and a substantial weight



Potatoes

Yield increased by 1.5 times



Chili peppers

Production increased by 20%







Young radish

Healthy and uniform growth, with a 20% increase in yield

BEORCARE EFFECT – GREEN ONION





Without using BEORCARE

Due to shallowly applied nutrients, the roots are short and weak

Using BEORCARE

With soil restoration and the proliferation of deep microorganisms, the roots grow long, and the crops become robust

Without using BEORCARE

The crop density is low, making them dry and less suitable for storage



Dried for 20 days after harvest

Using BEORCARE

The crop density is high, making them excellent for storage

EM VS BEORCARE

2024





Microbial Activation Using Microcurrent

Billions of naturally occurring microorganisms in the soil



In Balance with the Environment

The specific microorganisms do not excessively proliferate, preventing the suppression of other microorganisms' activity

Optimized for Soil and Environmental Conditions Microorganisms can survive even in

extreme environment

BEORCARE APPLICATION



01

Increase soil temperature to overcome cold damage

Crops do not freeze, reducing winter damage



02

Detoxifying the soil strengthens rice roots

Rice plants are not easily uprooted, reducing lodging occurrences





03

Increased microorganisms enhance the crops' immunity

Powdery mildew, rice blast, and other diseases can be avoided

BEORCARE USAGE

For 500 pyeong (*500 pyeong =0.165 hectares*) use 1 bottle (500ml) of BEORCARE

- Irrigation: Dilute at a ratio of 500:1
- Foliar application: Dilute at a ratio of 1000:1





BEORCARE LINE-UP

BEORCARE offers a diverse lineup tailored to different crops



BEORCARE Paddy farming

Rice, Water Parsley



BEORCARE Greenhouse crops

Chili peppers, cucumbers, corn, barley, strawberries



BEORCARE Fruit trees

Apples, oranges, watermelons, cherries, grapes, tangerines, etc



BEORCARE Specialty crops

Sesame, mushrooms, bellflower root, tea leaves, ginseng, Schisandra, cotton, etc





BEORCARE Hydroponic crops

Mung beans, bean sprouts, onions, sweet potatoes, taro, radishes





Roses, pansies, tulips, orchids, evergreens, cacti, etc

BEORCARE EXPECTED EFFECT

01

No worries about crop damage

Safely applied without side effects through the activation of indigenous microorganisms O2 Agricultural material costs ↓

Improves the fundamental health of the soil, reducing the use of fertilizers and pesticides

THANK YOU





Improvement in farmers' income

- Increased production and improved quality lead to higher market prices
- Enhanced storability ensures stable income growth for farmers