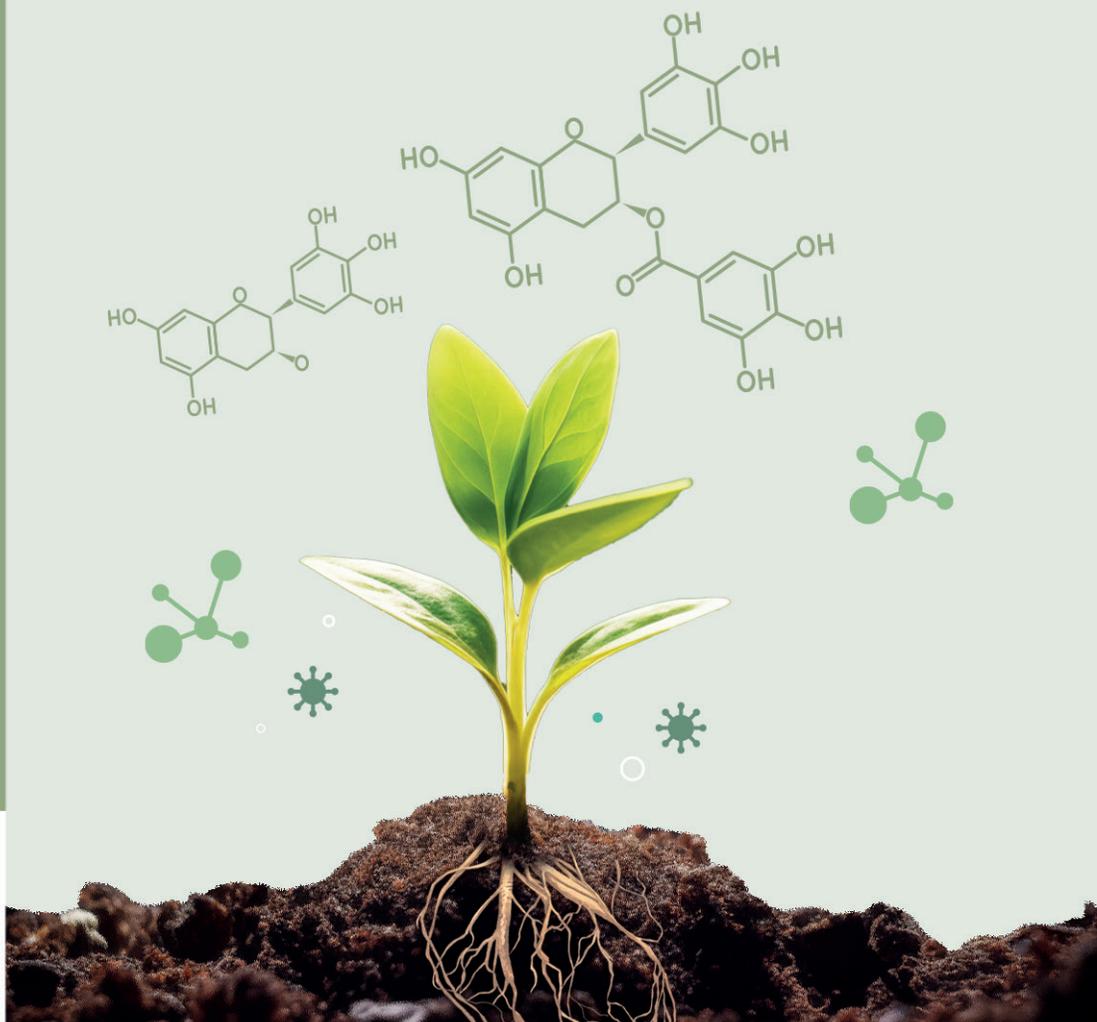


Safety for Farmers

Health for Customers

Clean Environment for Future Generation

HANA BIOTECH CO.,LTD AGRI.CORP.



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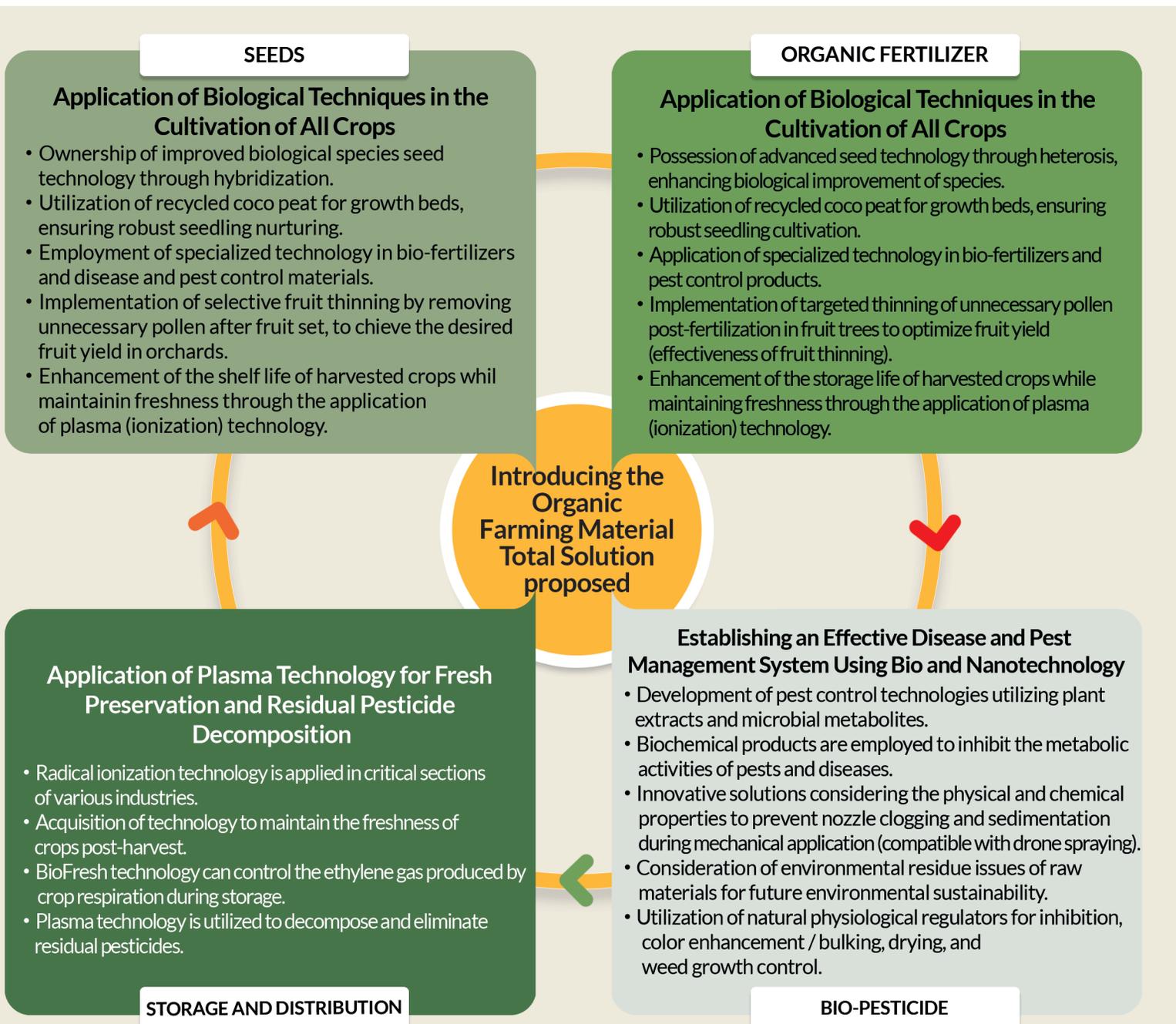


HANA BIOTECH

At HANA BIOTECH Corporation, we pride ourselves on being an agricultural biotech company that offers comprehensive solutions through the use of organic farming systems for all types of crops. Our commitment lies in the production and supply of bio and eco-friendly products, achieved by relentless pursuit and development in areas such as plant extracts, natural minerals, microbial metabolites, and advanced technologies including nanotechnology, plasma, and bio-metabolites.

Above all, our foundational philosophy is rooted in unwavering dedication to providing safe products for farmers, promoting health among citizens, and ensuring a pristine environment for future generations. We at HANA BIOTECH pledge to deliver the highest quality organic farming materials and impeccable total solution services to our esteemed customers.

Sincerely, All employees of HANA BIOTECH Agricultural Corporation



The Key Plant Bioactivity Regulators in HANA BIOTECH Products!



StopRight
Enhances inhibition and stimulation
Promotes pollination
(Stimulation of fertilization)

2,000 to 4,000 times



Shoot Growth Inhibition and Flower Bud Differentiation

- Inhibition of new shoot growth
- Induction of floral differentiation
- Transition from vegetative growth to reproductive growth

Rainbow
Aids in color enhancement



1,200 to 1,600 times

TopKingRoot
Promotes bulking (Increase in size)
Quality Enhancement and Specialized Amino Acids

- Enhancement of marketability : color, sweetness
- Inhibition of new shoot growth during bulking and harvesting periods
- Utilization of special amino acids

Careful (Selective)
Selective Assists in weed control enhancement

800 to 1,000 times



Selective Weed Growth Control and Sulfur-Rich Crop Application

- Aids in selective weed growth control
- Selective application for crops high in sulfur content during the 6 to 8 leaf stages (e.g., garlic, onions, leeks, green onions, peppers, sweet potatoes, beans, etc.)

Drywell
Promotes drying

600 to 800 times



Shortening of Fruit Setting Period and Application Targets

- Shortens the fruit setting period, achieving a fruit setting rate of 85~90%
- Application targets include legumes buckwheat, cereals (rice, barley, wheat), and peppers (final application)

Careful (Non-selective)
Assists in weed control enhancement

200 to 400 times



Non-selective Weed Growth Control and Herbicide Enhancement

- Assists in non-selective weed growth control
- When mixed with a penetration promoter, it aids in the removal of hard-to-control weeds (e.g., goosegrass, spurge, kudzu vine)

※ Physiological activity of weeds in granular form that can be easily sprayed by hand
Conditioners, pesticides



☑ Toxicity and Biological Testing

Pesticide Residue Analysis

- Analysis of 463 types of pesticide residues resulted in non-detection.

Toxicity Assessment and Biological Test Results

- Eye/skin irritation : No irritation observed
- Oral and Dermal exposure: Acute toxicity category 4
- Aquatic toxicity (acute) : Level 3 aquatic toxicity
- Bee toxicity (acute) : Low toxicity, reference level 3

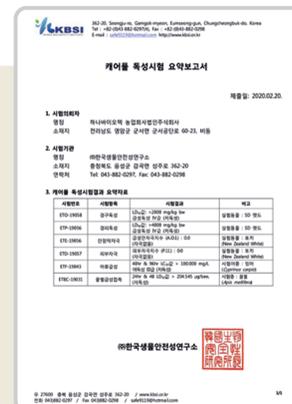
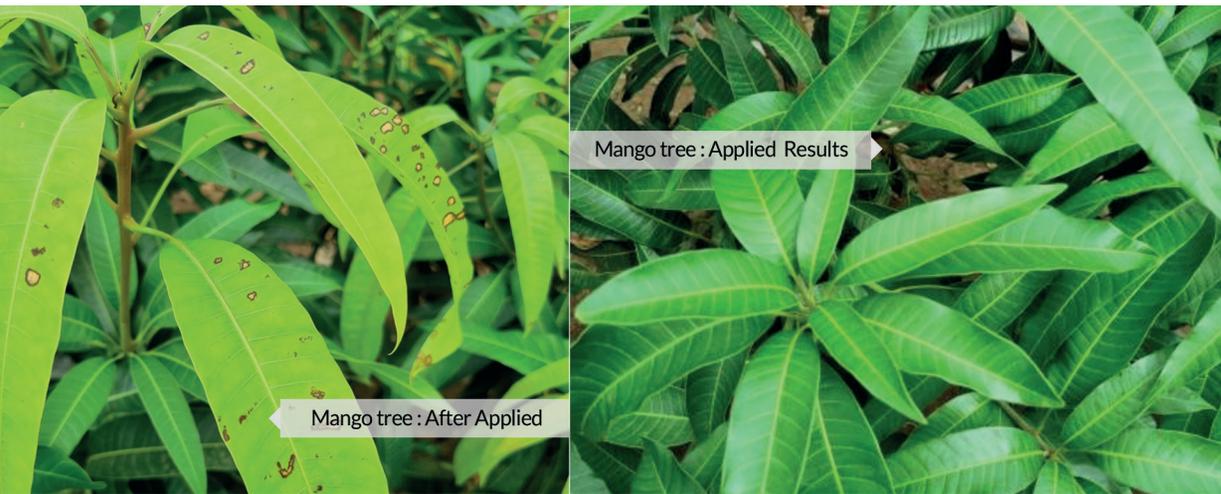


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※ Applicable crops : mango, pineapple, durian, peach, plum, grape, cabbage, etc.

Stop Right There

Floral Differentiation and Pollination
Enhancement : Natural Physiological Regulators
and Insecticides



↓ **Balanced Growth**



*Cabbage : Not applied



*Cabbage : Applied



*Grapes : Not applied



*Grape : Applied

1. Product Overview

- 1) Product Name : Stop Right There
- 2) Packaging Specifications : 500 ml/bottle, 30 bottles/box, 48 boxes/pallet
- 3) Raw Materials : Bi-cyclooctane, Bi-cycloheptane, Eugenol, Saponins, Fatty acids
- 4) Product Registration : National Agricultural Products Quality Management Service, District Offices (Liquid Fertilizer)

2. Features and Benefits

Activates the enzyme (UDP-glucose) that promotes photosynthesis, performing the following roles :

- Executes thinning to ensure an adequate quantity of fruit yield (durian, peach, plum, etc.)
- Inhibits the growth of new shoots (mango, pineapple, etc.) and weeds
- Induces floral differentiation and enhances pollination
- Assists in the transition from vegetative to reproductive growth
- Offers potential insecticidal effects

3. Usage Instructions

- 1) Applicable Crops : All crops requiring floral differentiation induction and inhibition of new shoot growth
- Mango, pineapple, durian, peach, plum, grape, spring cabbage, etc.
- 2) Timing of Use : 10~15 days before the floral differentiation phase when inhibition of new shoot growth is needed during the bulking phase of fruits and vegetables
- 3) Dosage : 2,000 times diluted solution x 1~2 times
- 4) Application Method : Foliar Application of Fertilizer

Adjust spray intervals based on the growth rate of new shoots and the density of new shoots and pests
: 5~7 days or 10~15 days



※ Applicable crops : apples, pears, grapes, peaches, plums, tomatoes, peppers, strawberries, etc.

Rainbow

Organic Farming Material for Enhanced Color, Sweetness, and Antifungal and Insecticidal Properties



1. Product Overview

- 1) Product Name : Rainbow
- 2) Packaging Specifications : 500 ml/bottle, 30 bottles/box, 48 boxes/pallet
- 3) Raw Materials : Bi-cyclooctane, Bi-cycloheptane, Eugenol, Saponins, Fatty acids, Amino acids
- 4) Product Registration : National Agricultural Products Quality Management Service (Organic Farming Material Notification No. 2-2-298)

2. Features and Benefits

Developed through research and innovation, with technology transfer from the Rural Development Administration (Patent Nos. 10-1634294, 10-1642801)

- Contains special amino acids that enhance the aroma and sweetness of fruits and vegetables.
- Improves the coloration, increases the sweetness, and enhances the shelf life of crops.
- Aids in the growth regulation, promoting the overgrowth of fruits and vegetables.

3. Usage Instructions

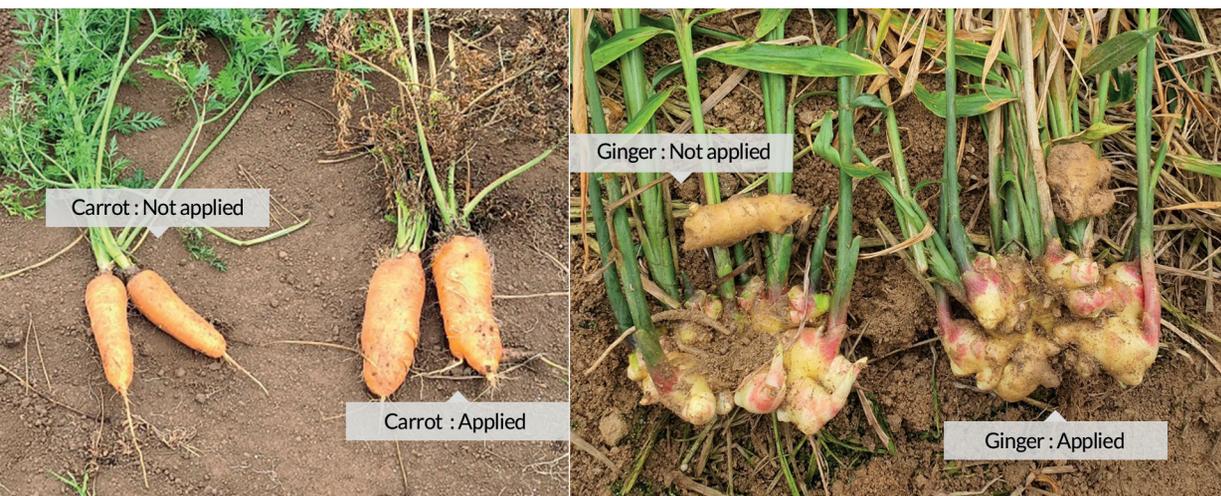
- 1) Applicable Crops : All crops requiring enhancement in color, sweetness, and bulking
- Apples, pears, grapes, peaches, plums, tomatoes, peppers, strawberries, etc.
- 2) Timing of Use : 45 to 15 days of before harvest [at 15 days interval]
- 3) Dosage : Dilute 1,000 times for 2 or more applications [For greenhouses, dilute 2,000 times for 2 or more applications]
- 4) Application Method : Foliar Application of Fertilizer



*Chili Peppers : Not applied *Chili Peppers : Applied



*Not applied area (Sugar content : 8Brix) *Applied area (Sugar content : 12Brix)



※ Applicable crops : carrot, radish, ginger, potato, sweet potato, cabbage, beet, etc.

Top King Root

Antifungal and Insecticidal Bulking Agent



1.Product Overview

- 1) Product Name : TopKingRoot
- 2) Packaging Specifications : 300 ml/bottle, 30 bottles/box, 64 boxes/pallet
- 3) Raw Materials : Bi-cyclooctane, Bi-cycloheptane, Eugenol, Saponins, Fatty acids, Amino acids
- 4) Product Registration : National Agricultural Products Quality Management Service (Organic Farming Material Notification No. 2-2-299)

2.Features and Benefits

- Contains amino acids essential for root crops.
- Natural physiological regulators assist in the transition from vegetative growth to reproductive growth.
- Promotes root initiation, root bulking, and enhances storage life.
- Harvesting seedlings (onions, green onions, etc.)
 - In cases where frequent rain makes it difficult to secure good seed roots, it helps in harvesting high-quality seed roots.

3.Usage Instructions

- 1) Applicable Crops : All crops requiring bulking of tuberous roots
 - Carrots, radishes, ginger, potatoes, sweet potatoes, kohlrabi, beets, etc.
- 2) Timing of Use : 20 to 25 days of before harvest, during the growth period
- 3) Dosage : 1,000 times diluted solution x 1~2 times
- 4) Application Method : Foliar Application of Fertilizer



*Potato: Top King Root Applied



*Potatoes : Top King Root Harvest

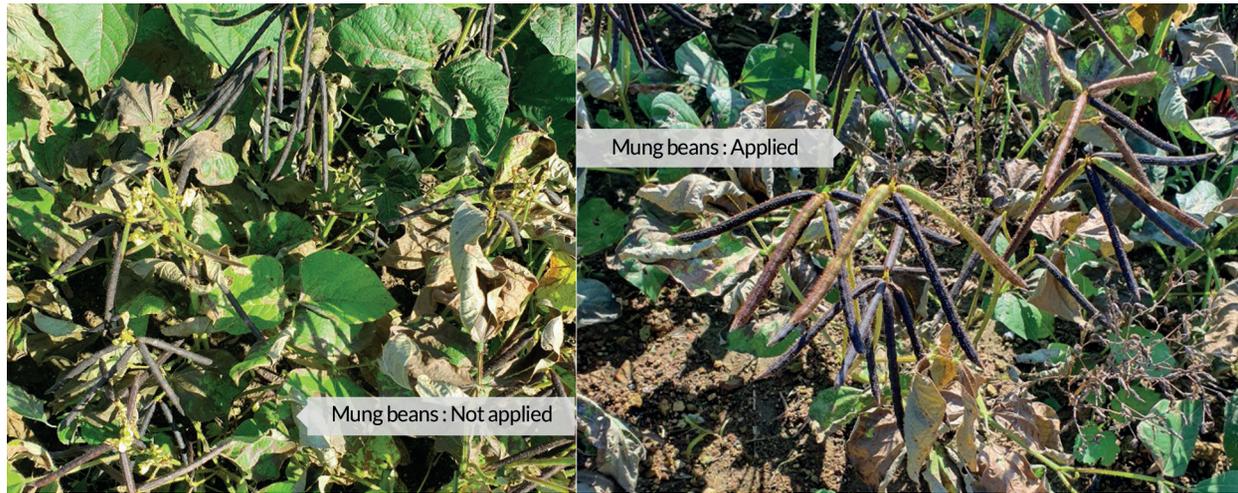


*Little onion : Concentration test



*Green onion : Ball root hypertrophy result

※ Jeju Eastern Agricultural Technology Center Experiment (Shimon)



※ Applicable crops : beans, green beans, grains, garlic, onions, leeks, lilies, etc.

Careful Drywell

Accelerate Harvest



1. Product Overview

- 1) Product Name : Careful Drywell
- 2) Packaging Specifications : 500 ml/bottle, 30 bottles/box, 48 boxes/pallet
- 3) Raw Materials : Bi-cyclooctane, Bi-cycloheptane, Eugenol, Saponins, Fatty acids
- 4) Product Registration : National Agricultural Products Quality Management Service (Organic Farming Material for Disease and Pest Control Notification No. 2-6-072)

2. Features and Benefits

- Dries the husk to facilitate easy detachment of the fruit, ensuring the grain is more substantial.
- Enables the mechanized harvesting of fodder crops by drying them (e.g., Italian ryegrass, Sudan grass).
- Allows for early harvesting through rapid drying of the Liliaceae family (garlic, onions, green onions, lilies, etc.).
- Prevents aflatoxin in tuberous crops (potatoes, sweet potatoes, carrots, etc.) and the yellowing of grains.

3. Usage Instructions

Applicable Crops	Beans, mung beans, grains	Garlic, onions, leeks, lilies
Mechanical Spraying	600-800 times dilution + penetrant 300ml (based on 500L of water)	
Drone Spraying	[Drywell 500ml + penetrant 300ml/20L] x 2 times (once horizontally, once vertically)	[Drywell 500ml + penetrant 300ml/20L] x 1 time
Timing of Use	10~15 days of before harvest	
Application Method	Foliar spray (Foliar Application of Fertilizer)	



*Ryegrass : Not applied



*Ryegrass : Applied



*Feed crops (wheat) : Not applied



*Feed crops (wheat) : Applied

※ After drying well, the moisture content is less than 17% and helps promote drying.



※ Applicable crops : garlic, onion, chili, sweet potato, beans, peanuts, corn, etc.

Careful

Selective Physiological Regulator



1. Product Overview

- 1) Product Name : Careful (Selective Physiological Regulator)
- 2) Packaging Specifications : 500 ml/bottle, 30 bottles/box, 48 boxes/pallet
- 3) Raw Materials : Bi-cyclooctane, Bi-cycloheptane, Eugenol, Saponins, Fatty acids
- 4) Product Registration : National Agricultural Products Quality Management Service (Organic Farming Material for Disease and Pest Control Notification No. 2-6-072)

2. Features and Benefits

- Regulates the physiological activity of weeds, excluding certain crops (selective physiological activity regulation).
- Crops with high sulfur (S) content have lower susceptibility to the agent, making it more effective for selective weed physiological regulation.
- Specific crops: Garlic, onions, peppers, sweet potatoes, beans, peanuts, corn, etc.

※ Consult a specialist for the timing of use.

3. Usage Instructions



*Beans : Not applied

*Beans : Applied



*Garlic : Not applied

*Garlic : Applied

Applicable Crops	Crops with high sulfur (S) content (garlic, onions, peppers, sweet potatoes, beans, peanuts, corn, etc.)	other crops (consultation with in-house experts is necessary)
Dosage	800~1,000 times dilution	1,200~1,600 times dilution
Timing of Use	Safe during the 6~8 leaf stage, weeds less than 3cm	
Application Method	Foliar Application of Fertilizer	



※ Applicable crops : apples, pears, grapes, peaches, chestnuts, persimmons, pine nuts, jujubes, horsetail, purslane, ginseng vine, dandelion grass, wild mustard, bamboo, dandelion, etc.

Careful

Non-selective Physiological Regulator



1. Product Overview

- 1) **Product Name** : Careful (Non-selective Physiological Regulator)
- 2) **Packaging Specifications** : 500 ml/bottle, 30 bottles/box, 48 boxes/pallet
- 3) **Raw Materials** : Bi-cyclooctane, Bi-cycloheptane, Eugenol, Saponins, Fatty acids
- 4) **Product Registration** : National Agricultural Products Quality Management Service (Organic Farming Material for Disease and Pest Control Notification No. 2-6-072)

2. Features and Benefits

- Exceptionally effective in weed management during the cultivation of fruit trees (apples, pears, grapes, peaches, etc.) and forest products (chestnuts, persimmons, pine nuts, jujubes, etc.)
- No floral differentiation disorders, pollination disorders, or malformed fruits, which are common with chemical herbicides.
- Assists in managing weeds in rice paddies and barren fields without causing hormonal disturbances in crops.
- Aids in the complete removal of hard-to-control weeds (goosegrass, spurge, kudzu vine, ragweed, wild mustard, bamboo, dandelion, etc.).
- Particularly, ragweed and wild mustard (with fine hairs) are resistant to chemical herbicides, but Careful (Non-selective Physiological Regulator) has shown to effectively remove them in tests.

3. Usage Instructions

- 1) **Applicable Crops** : From post weed germination up to the 4-leaf stage (6~10cm) or less, for over 10cm, mix with a penetration promoter.
- 2) **Timing of Use** : From after sowing until before crop germination (typically within 4~6 days), after crop germination, "Careful (granules) must be used."
- 3) **Dosage** : 200~400 times dilution
- 4) **Application Method** : Foliar Application of Fertilizer



*Sento : Not applied



*Sento : Applied



*Mangcho : Not applied / Applied



*Clown Grass : Not applied / Applied



※ Applicable crops: Garlic, onion, pepper, sweet potato, soybean, peanut, corn, green onion, chive, etc.

↑ Jeju Island Agricultural Research and Extension Services research and test data

Careful Granules / PestStop Granules

Organic Weed Management and Insecticide



1. Product Overview

- 1) Product Name : Careful Granules / PestStop Granules
- 2) Packaging Specifications : 3kg/bag, 8 bags/box, 48 boxes/pallet
- 3) Raw Materials
 - Careful Granules: Bi-cyclooctane, Bi-cycloheptane, Eugenol, Saponins, Fatty acids, Zeolite
 - PestStop Granules: Plant-based oil, Paraffin oil, Zeolite
- 4) Product Registration : National Agricultural Products Quality Management Service
 (Organic Farming Material for Disease and Pest Control)
 (Careful Granules Notification No. 2-6-072 / PestStop Granules Notification No. 2-6-105)

2. Features and Benefits

- The granular form ensures it does not remain on the surface of crop leaves, regulating only the physiological activity of weeds without damaging the crops.
- Highly effective in controlling root maggots and fungus gnats.
 - Efficacy that matches chemical pesticides (against soil nematodes).
- The method of application is efficient and effective in reducing operational costs.
 - An economically priced organic farming material: Reduces material and labor costs by 1/3.

3. Usage Instructions

- 1) Full Area Application
 - Before sowing or transplanting, apply fully to the soil surface, followed by mulching, or after germination of non-mulched crops, apply fully to the surface → when water is supplied through drip irrigation or sprinklers, control effectiveness is over 65~70%.
- 2) Focused Application
 - After germination or transplanting, apply to the soil surface next to the crop → when water is supplied through drip irrigation, control effectiveness is over 90%.

4. Precautions

- 1) Do not apply when there is dew (moisture) on the crops after transplanting.
- 2) It is effective against germinated weeds or weeds in the 1~2 leaf stage, so in areas with a high density of weeds, reduce the area of application and focus the application.



*Onion : Not applied



*Onions : Applied



*Grass : Not applied



*Grass : Applied

Garlic Cultivation(Guidance)



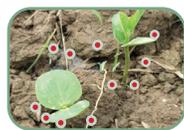
Cultivation Work Time of application	 Field work garlic sowing	4 to 7 days of after sowing (First germinated weed after ginger sowing)	Weed germinated after 2~4 leaves of garlic (Soil insect : cicada larva, onion maggot, Fungus gnat etc)	Remove weeds around gralic when 6~8 leaves of garlic (Only pre-nursery & nursery weeds are controlled)	Prevent appearance of flower stalk (growth inhibition for pre-nursery, nursery) (Pesticide : Chilo suppressalis)	Drywell(Quick Harvest) (Harvested within 7~10 days) (Yield : Increase by 20% or more)
	Name of the product	Careful(Non-selective)	Careful Granular	Careful(Selective)	Stop Right There	Careful Drywell
Apply to products	Water quantity	20L	330m ²	20L	20L	20L
	Applied to Products	100ml	3Kg	40ml	500ml	1,000ml
	Dilution (times)	200	3kg/330m ²	800	2,000	400
	Cautions	Spray until it's wet			Drone : 50	Drone: 20

Ginger Cultivation(Guidance)



Cultivation Work Time of application	 Ginger sowing in farms	7~10 days of after sowing (First germinated weed after ginger sowing)	Right now after ginger germinated (Before weed sprout) (Soil insect: cicada larva, onion maggot, Fungus gnat etc)	Controlling weeds around ginger (Only pre-nursery & nursery weeds are controlled)	Sprout cutting (Inhibition of New Growth) (Insecticide: moth of eastern China)	Drywell(Quick Harvest) (Harvested within 7~10 days) (Yield : Increase by 20% or more)
	Name of the product	Careful(Non-selective)	Careful Granular	Careful(Selective)	Stop Right There	Careful Drywell
Apply to products	Water quantity	20L	330m ²	20L	20L	20L
	Applied to Products	100ml	3Kg	25ml	500ml	1,000ml
	Dilution (times)	200	3kg/330m ²	800	2,000	400
	Cautions	Spray until it's wet			Drone : 50	Drone: 20

Bean Cultivation(Guidance)



Cultivation Work Time of application	 Field work bean sowing	4 to 7 days of after sowing (First germinated weed after ginger sowing)	Right now after bean germinated (Before weed sprout) (Soil insect: cicada larva, onion maggot, Fungus gnat etc)	Controlling weeds around bean (Only pre-nursery & nursery weeds are controlled)	Cutting sprout of New leaves (Inhibition of New Growth) (Insecticide: moth of eastern China)	Drywell(Quick Harvest) (Harvested within 7~10 days) (Yield : Increase by 20% or more)
	Name of the product	Careful(Non-selective)	Careful Granular	Careful(Selective)	Stop Right There	Careful Drywell
Apply to products	Water quantity	20L	330m ²	20L	20L	40L
	Applied to Products	100ml	3Kg	25ml	250ml	1,500ml
	Dilution (times)	200	3kg/330m ²	800	2,000	400
	Cautions	Spray until it's wet			Drone : 50	Drone: 20



HANA BIOTECH

For Better Lives

ORGANIC FARMING MATERIALS TOTAL SOLUTION.

- The Application of Biological Technology to all crop Cultivation.
- An Efficient and Economical Industry Utilizing Specialized Technology.
- Establishment of Effective Pest Management Systems Utilizing Bio- and Nano-Technologies.
- Application of plasma technology for fresh produce preservation and residual pesticide decomposition.

※ Hana Biotech Agricultural Corporation, a Distinguished Company in Farming and Food

- Using technology patented by the Rural Development Administration (Patent O-1634294, Patent O-164280)
- The plant bioactivity regulating solution (5 Sweep-outs), Selected as an A-Venture by the Ministry of Agriculture, Food and Rural Affairs!



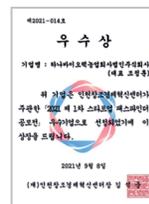
Corporate-affiliated research institute



Venture enterprise



Promising small and medium-sized enterprises for export



Startup Pathfinder Excellence Award



Selected as A Ventures by the Ministry of Agriculture, Food and Rural Affairs



Commendation from the Minister of Science, Technology, and Information Communication



Commendation from the Small and Medium Business Administration



Patent certificate



Registered items for national patents



Application for a patent for natural plant physiological regulator



Organic agriculture material disclosure



Toxicity test (including bees and five other species)



* Promising Small and Medium-Sized Export Enterprise Hana Biotech Co., Ltd. Agri., Corp. Products are also available on Alibaba. (<http://fdfive.trustpass.alibaba.com>)

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