Sustainable tomorrow
starts with agriculture

DOF PRODUCT GUIDE

Leading in providing solutions for climate change
and reducing agricultural costs

BIOLOGICAL LEADING COMPANY

DOF LTD. KOREA

Company Introduction

DOF was founded in 1994 with the goal of achieving 'the dream of a farmer' in real life for happy farming. With the motto of "soil management to nutrition management," we propose scientific fertilization methods suitable for soil conditions, crop characteristics, and cultivation environment, and we are doing our best effort to make more farmers rich and happy through high-quality, high- capacity production.

DOF is leading the biological market included in biofertilizer, biostimulant, biocontrol. By continuously researching and developing products in various areas according to farmers' needs through synthesis, fermentation, extraction, and blending of raw materials. It is also taking the lead in cultivating safe and eco-friendly agricultural crops by speeding up the R&D and distribution of eco-friendly biocontrol that replace crop protection.

Vision & company Philosophy

Under the motto of 'soil management to nutrition management', DOF is moving toward the world's No. 1 crop and nutrition management company. Agriculture achieves its products through coexistence with nature, resulting in different growth conditions and outcomes every year. We concentrate on the nature of agriculture and the difficulties of farmers.

We will be offered solutions through DOF and try to make sure that worries and anxieties disappear from the faces of farmers. We hope that more farmers will be rich and happy to meet DOF.

Rather than a company that has a lot of sales or makes a lot of money, we will grow Dof as a company that is valuable to farmers. We will do our best in the field today with farmers because our existence is worth it when we hear "Thank you for the DOF".

Mission	Vision	Key Value
We contributes to creating a world where farmers can live and protecting lives and the environment.	World's No. 1 crop and nutrition management company	Innovation, Expertise, Field

Product registration status and certificates

Product Registration

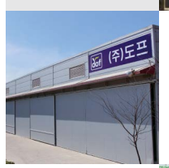
DOF biological products are registered across multiple markets, meeting strict agricultural and environmental safety standards. This ensures farmers can use our solutions with full confidence in their quality, safety, and efficacy.

Certificates and Compliance

Our portfolio is supported by internationally recognized certifications that validate our commitment to quality and sustainability. These include certifications related to Good Manufacturing Practices (GMP), ISO standards, and environmentally friendly production processes.

Patent registration certificate

Company History



1994 • DOF was founded in Korea

1997 • Started Import and supply chain of horticultural fertilizers in Korea

1999 • Launched fertilizers for drip irrigation and functional nutrient fertilizers
• Converted into limited company

2000 • Developed anti-falling products for rice for the first time in Korea

2001 • Developed products against phytophthora blight, bacterial wilt, root rot disease for the first time in Korea

2002 • Strengthening vision and mission

2003 • Developed high calcium and micronutrients fertilizers

2005 • Launched organic fertilizers

2007 • Launched biological pesticides

2008 • Started supplying YARA's Premium Compound Fertilizer

2009 • Acquired ISO9001, 14001

2010 • Established DOF Ltd. Agricultural Cultivation Laboratory

2011 • Received a commendation for social contribution activity

2013 • 2nd Factory has been in operation

2014 • Launched water-soluble NK Ca fertilizer

2015 • Launched slow-releasing coated fertilizer for paddy crops

2016 • DOF Academy Hall was built

2017 • Established a joint venture in China

2018 • Launched new eco-friendly pest control products

2019 • Vietnam, Thailand, Myanmar, Kuwait exclusive distributor agreement

2020 • China Southern, Northern exclusive distributor Agreement
• DOF 's 5 New Technology patent applications

2024 • DOF LTD. 30years Anniversary

Scientific Farming & Agriculture management

DOF agricultural management institut

A business mindset, is the most needed part in the field of agriculture industry. Farmers should decide everything by themselves about agriculture such as crops kinds, seed, harvest timing, sales and storage.

- **Education and dissemination of agricultural business**
- **Seminar of agricultural business**
- **Research of agricultural-materials sales & excavation and research of succession case**
- **Excavation of successful farmers and research of success factors**

Therefore, we are to encourage farmers to have agricultural business mindset and disseminate the ideal and rational management for establishing wealthy rural communities and happy farming, which is our dream with our best.

DOF Crop cultivation laboratory

DOF Crop cultivation laboratory(DOF affililated) provides a comprehensive cultivation technology through high efficiency crop cultivation education, crop cultivation consulting and cultivation theory seminar in order to disseminate scientific cultivation methods suitable for crop characteristics and soil conditions.

- **Invest high quality fertilizers**
- **Crop cultivation consulting**
- **Crop cultivation education**
- **Technical seminar**
- **Water analysis and supply hydroponic farming formulars**

DOF Crop cultivation laboratory is in partnership with leading international agricultural institutes. By exchanging technologies with those institutes, DOF does our best for the development of agriculture through extensive cultivation demonstration experiments and practical training cultivation education.

Business Area

DOF provides comprehensive cultivation management methods and technical ervices to domestic and overseas farmers by researching and developing special fertilizers and eco-friendly materials, necessary for eco-friendly high-quality crop cultivation from soil management to nutrition management.

- **Agriculture is protecting environment.**
- **Agriculture is saving life.**
- **Doing Agriculture is an act of patriotism.**

from DOF's management philosophy

Biostimulants

Our biostimulants are designed to unlock the natural potential of crops by stimulating growth, improving nutrient use efficiency, and enhancing resilience against environmental stress. Through advanced formulations of natural extracts, beneficial microbes, and bioactive compounds, DOF provides solutions that:

- **Promote root development and nutrient uptake**
- **Increase tolerance to drought, salinity, and temperature stress**
- **Improve crop quality, yield, and overall plant vitality**

These sustainable products help farmers achieve higher productivity with reduced environmental impact.

Biocontrol

DOF's biocontrol portfolio offers natural and effective protection against pests and diseases. By harnessing the power of beneficial microorganisms, plant extracts, and bio-derived compounds, our solutions provide:

- **Environmentally safe alternatives to chemical pesticides**
- **Effective control of harmful insects, fungi, and bacteria**
- **Integration into IPM (Integrated Pest Management) programs for sustainable farming**

With biocontrol, we help growers safeguard crops while protecting biodiversity and ecosystem health.

Biofertilizers

Our biofertilizers are formulated with carefully selected beneficial microorganisms that improve soil fertility and plant nutrition. By enhancing nutrient cycling and soil microbial balance, they:

- **Increase nitrogen fixation and phosphorus solubilization**
- **Strengthen soil health and long-term productivity**
- **Reduce dependency on synthetic chemical fertilizers**

DOF's biofertilizers contribute to sustainable agriculture by supporting healthy soils, stronger plants, and better harvests for farmers worldwide.

Sustainability & Global Solutions

Climate Solutions

Adapting agriculture to a changing climate.

- **Supports farmers in coping with extreme weather events**
- **Improves resource efficiency and reduces environmental impact**
- **Promotes sustainable, cost-effective farming practices**

Global Reach & Registration

Reliable, certified solutions worldwide.

- **Products registered in multiple international markets**
- **Compliance with ISO, GMP, Organic, and ECOCERT standards**
- **Ensuring safe, effective, and sustainable solutions for growers**

Innovation & Technology

Driving smarter agriculture for a sustainable future.

- **Research-backed formulations for optimized crop performance**
- **Advanced technologies to enhance plant health and productivity**
- **Solutions designed to meet the evolving needs of modern agriculture**

Affiliated Companies

DOFagro

In official partnership with Yara, DOF Agro supplies premium hydroponic fertilizers produced by Yara. Proudly bringing Yara's world-class solutions to the Korean market, DOF Agro supports the advancement of modern, sustainable agriculture.

DOF INT

As a trusted partner of Yara, DOF INT supplies world-class Premium Compound Fertilizers to Korea, contributing to the advancement of sustainable agriculture.

BIOSTIMULANTS & FUNCTIONAL PRODUCTS

CATEGORY	PRODUCTS	TYPE	ANALYSIS (w/w) & MAIN ACTIVE INGREDIENTS	pH (1%)	Sg	APPLICATION		PAGE
						FOLIAR	FERTIGATION	
Liquid Amino Acid	**AMI-65**	(L)	Total Amino acid 65% (Free Amino acids 40%, Peptide Amino acids 25%, N 9%)	6.5~7.5	1.28~1.36	1ℓ/1000ℓ /1acre	-	**10**
	LUK-S	(L)	Free Amino acids 20% (N 4%, B_2O 1.5%, Zn 1.5%)	4~5	1.15~1.25	1ℓ/500ℓ /0.5acre	15ℓ/1Ha	**11**
Liquid Seaweed Extract	**SEAWEED-F**	(L)	Ascophyllum nodosum Extracts 30% (K_2O 6%)	8.5~9.5	1.18~1.28	1ℓ/1000ℓ /1acre	10ℓ/1Ha	**12**
Rooting Agent	**THE ROOTS**	(L)	1-3-4+ Zn 0.1+B_2O_3 0.6 + Amino acids 2.3%, Humic acid&Fulvic acid 11%	7~8	1.1~1.2	-	15ℓ/1Ha	**13**
Bulb enlargement	**BULB GRO (Enlargement Beginning)**	(L)	B_2O_3 0.05%+Mo 0.0005%, Amino acids 1.7%, Vitamin 58%, Enzyme for bulb size enhancement 0.08%	9.5~10.5	1.0~1.1	1ℓ/1000ℓ /1acre	10ℓ/1Ha	**14**
	BIG BULB (Before Harvest)	(L)	B_2O_3 27%+Zn 0.1 % +Mo 0.0005%, Polysaccharide 25%	9~10	1.3~1.4	1ℓ/1000ℓ /1acre	-	**15**
Cell Division & Fruits size Development Improver	**GS-BIG (Before&After Flowering stage)**	(L)	B_2O_3 0.05%+Mo 0.0005%, Amino acids 10%, Vitamin 15%, Polysaccharide 30%, Enzyme 0.1%	3~4	1.05~1.15	1ℓ/1000ℓ /1acre	-	**16**
	BIG-GRA (Enlargement Beginning)	(P)	B_2O_3 0.05%+Mo 0.0005%, Amino acids 1.8%, Vitamin & Organic acid 5%, Chelating agent 2%, Polysaccharide 88%, Enzyme for fruit size enhancement 3.1%	6.5~7.5		1KG/1000ℓ /1acre	-	**17**
Natural Coloring and Sugar Contents Enhancer	**SPEED COLOR (Before Harvest)**	(L)	P_2O_5 15%+ B_2O_3 0.05 + Mo 0.0005, Amino acids used in fruit coloration 41%, Enzyme regulating fruit coloration 1.5%	2~3	1.05~1.15	1ℓ/500~1000ℓ /0.5~1acre	-	**18**
	SUGAR & COLOR LX (Beginning Coloring)	(L)	K_2O 4%+ B_2O_3 0.1 %+ Mo 0.0005%, Polysaccharide 54% , Organic Acid 1%, Amino acids used in fruit coloration 15%,Enzyme regulating fruit coloration 1%	11~12	1.25~1.35	1ℓ/500~1000ℓ /0.5~1acre	-	**19**
Phytotoxicity Stress Regulator	**RECORVER**	(L)	N 5%+ B_2O_3 0.1 %+ Mo 0.0005%, Ascophyllum nodosum Extracts 10% , Amino acids 35% ,Polysaccharide 10%	5~6	1.2~1.3	1ℓ/1000ℓ /1acre	10ℓ/1Ha	**20**
Low Temperature Stress Regulator	**COLD ZERO**	(L)	N 4%+ K_2O 0.5%+ CaO 0.3%+ B_2O_3 0.1 %+ Mo 0.0005%, Organic acid 1%, Activated Vitamin 50%, Amino acid 3%, Polysaccharide 4%	5.5~6.5	1.05~1.1	1ℓ/500ℓ /0.5acre	-	**21**
Drought Stress Regulator	**DSD-1**	(L)	K_2O 6%, Trans-3-(3-Thienyl)acrylic acid, 2-(E)-2-Phenylethenyl benzoic acid	5.5~6.5	1.08~1.12	1ℓ/1000ℓ /1acre	10ℓ/1Ha	**22**
Salinization Stress Regulator	**SALT DOWN**	(L)	B_2O_3 0.05 %+Mo 0.0005%, Chelating agent 11%, Humic acid&Fulvic acid 10%, Organic acid 5%	9~10	1.1~1.2	-	15ℓ/1Ha	**23**
Anti-rotten Agent	**GLOSTAR**	(L)	Rosin, Polyphenol, Herb Oil, Polyoxyethylene sorbitan monooleate	5~6	0.95~1.05	1ℓ/500ℓ /0.5acre	-	**24**
Infiltration and Diffusion Agent	**SPEED-UP**	(L)	Polyoxyethylene isotridecyl ether, Polyalkylenoxide methyltrisiloxane	7.5~8.5	0.95~1.05	1ℓ/5000ℓ /5acre	-	**25**
Acidity Regulator	**ACIDER**	(L)	Polysaccharide, Organic acid	2~3	1.05~1.1	Pink color	-	**26**

MACRO&MICRO NUTRIENT

CATEGORY	PRODUCTS	TYPE	ANALYSIS (w/w) & MAIN ACTIVE INGREDIENTS	pH (1%)	Sg	APPLICATION		PAGE
						FOLIAR	FERTIGATION	
Potassuim &Phosphate	**LIQUID PK**	(L)	P_2O_5 20%, K_2O 30%, B2O3 0.05%, Mo 0.0005%	7.5~8.5	1.6~1.7	1ℓ/500ℓ /0.5acre	15L/1Ha	**27**
Calcium	**MEGA POWER CAL**	(P)	CaO 40%, B_2O_3 1%, Amino acids 2.5%, Lignosulfonates 2.5%	6~7	-	1kg/1000ℓ /1acre	10kg/1ha	**28**
	POLY CAB	(L)	CaO 17%, B_2O_3 1%, Amino acids 4%, Polysaccharide 25%	7~8	1.45~1.55	1ℓ/1000ℓ /1acre	-	**29**
	CALSTAR GOLD	(L)	CaO 17%, B_2O_3 0.5%, Amino acids 3%	7~8	1.4~1.5	1ℓ/1000ℓ /1acre	10L/1Ha	**30**
	LIQUID NITCAL	(L)	N 10%, CaO 15%, MgO 1%, B_2O_3 0.05%	7~8	1.45~1.55	1ℓ/1000ℓ /1acre	10L/1Ha	**31**
	LIQUID CALMAG	(L)	N 5%, CaO 14%, MgO 5%, B_2O_3 0.1%, Amino acids 2%	7~8	1.45~1.55	1ℓ/1000ℓ /1acre	10L/1Ha	**32**
	CAP2018	(L)	N 4%, P_2O_5 10%, K_2O 3%, CaO 8%, B_2O_3 0.05%	2~3	1.3~1.4	1ℓ/500ℓ /0.5acre	-	**33**
	BALANCE PRO	(P)	P_2O_5 37%, K_2O 10%, CaO 25%, B2O3 0.5%	6~7	-	1KG/1000ℓ/1acre	-	**34**
	PK-CAB	(P)	P_2O_5 16%, K_2O 12%, CaO 16%, B_2O_3 1%	3~4	-	1KG/500ℓ/0.5acre	30KG/1Ha	**35**
	COMBI II	(P)	CaO 14% +MgO 1%, Fe 2.5%, B_2O_3 1.5%, Mn 0.9%, Zn 2.6%, Cu 0.3%, Polysaccharide 5%	5.2~6.2	-	1KG/1000ℓ /1acre	-	**36**
Magnesium	**GS-MAG**	(L)	MgO 10% + Fe 0.1 %+B_2O_3 0.05%+Mo 0.0005, Polysaccharide 7%, Amino acids 4%	7~8	1.25~1.3	1ℓ/500ℓ /0.5acre	15L/1Ha	**37**
	COMBI III	(P)	MgO 14% + Fe 2.5%, B_2O_3 2.8%, Mn 1.2%, Zn 2.0%, Cu 0.25%, Mo 0.003%, Polysaccharide 5%	5.5~6.5	-	1KG/1000ℓ /1acre	10KG/1Ha	**38**
Micro Nutrients	**GS-BORON**	(L)	B_2O_3 6%, Zn 0.05 %, Mo 0.0005%, Polysaccharide 7%, Seaweed Extracts 3%, Amino acids 6%	8.5~9.5	1.08~1.15	1ℓ/500ℓ /0.5acre	15L/1Ha	**39**
	GS-MICRO	(L)	MgO 2.0%, Fe 2.5%, B_2O_3 1.2%, Mn 1.0%, Zn 1.5%, Cu 0.05%, Mo 0.0005%, Polysaccharide 12%, Seaweed Extracts 5%	4~5	1.25~1.3	1ℓ/500ℓ /0.5acre	15L/1Ha	**40**
	COMBI I	(P)	MgO 1.5%, Fe 5.0%, B_2O_3 8.0%, Mn 2.1%, Zn 3.0%, Cu 0.4%, Mo 0.003%, Polysaccharide 3%	4~5	-	1KG/2000ℓ /2acre	5KG/1Ha	**41**
Silicic Acid Agent	**BIO - SIL**	(L)	SiO_2 17%, B_2O_3 0.05%, Mo 0.0005%	9~10	1.1~1.2	1ℓ/1000ℓ/1acre	10L/1Ha	**42**
	SILICA PK	(L)	SiO_2 16%, P_2O_5 7%, K_2O 15%, B_2O_3 0.05%, Mo 0.0005%	11~12	1.3~1.4	1ℓ/1000ℓ /1acre	10L/1Ha	**43**

BIOCONTROL(Eco-Friendly)

CATEGORY	PRODUCTS	TYPE	ANALYSIS (w/w) & MAIN ACTIVE INGREDIENTS	pH (1%)	Sg	APPLICATION		PAGE
						FOLIAR	FERTIGATION	
Natural Pest Controller	**JJB-GOLD**	(L)	Plants Extract, Herb oil (Mite, Thrips, Moth, etc)	6~7	1.0~1.1	1ℓ/1000ℓ/1acre	-	**44**
	SSR-I	(L)	Plants Extract, Organic acid (Aphid, etc)	6~7	1.0~1.1	1ℓ/1000ℓ/1acre	-	**45**
	KILL-KING	(P)	Plants Extract, Microorganisms (Thrips, Root small fly, Leaf miner)	7~8	-	-	45KG/1Ha	**46**
Natural Disease Controller	**MOLD OUT**	(L)	Plants Extract (Gray mold, Downy mildew, Anthracnose, etc)	5~6	1.1~1.2	1ℓ/1000ℓ/1acre	-	**47**
	SSR-ALL	(L)	Organic acid, Chelating agent, Copper & Zinc (Powdery mildew,Root rot, Scierotia, Wilt desease etc)	5~6	1.0~1.1	1ℓ/500ℓ/0.5acre	15L/1Ha	**48**
	PHOSPO	(L)	P2O5 14% (Phosphorous 25%) +K_2O 16%, B_2O_3 0.05%, Mn 0.005%, Zn 0.02%, Cu 0.01%, Mo 0.0003%,Salicylic acid 3.2%	6~7	1.25 ~1.35	1ℓ/500ℓ/0.5acre	15L/1Ha	**49**

AMI 65

ACTIVE INGREDIENTS_Amino acids 65% derived from collagen and soybeans

PRODUCT INFORMATION

AMI 65 is a high-concentration liquid amino acid product made from animal and vegetable proteins. It promotes plant metabolic activity and induces balanced growth even in situations where normal growth is difficult due to environmental stress. It also promotes vitality during periods of rapid growth changes, such as flowering and fruiting, when a lot of energy is needed for plant growth. With 40% free amino acids, 25% peptide amino acids, and 65% total amino acids, there is no liquid amino acid product with as high a concentration as DOF's AMI 65, and its high compatibility allows it to be mixed with seaweed extracts, humic acids, and other mineral ingredients to create a variety of products.

ANALYSIS

Nitrogen (N)	9%
Water-soluble Boron (B_2O_3)	0.05%
Water-soluble Molybdenum (Mo)	0.0005%
Total Amino acid	65%
Free Amino acid	40%
Peptide Amino acid	25%

PHYSICAL DATA

Appearance	Brown color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	6.5~7.5
Specific Gravity	1.28~1.36

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Before flowering, after flowering, after fruit set, until fruit enlargement	1L/1000L/1acre, 4-5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	After transplanting, after fruit setting, during fruit enlargement	0.5L/500L/1acre, 2-3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	From planting to growing season	0.5L/500L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	From planting to growing season	0.5L/500L/1acre, 2-3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From tillering to harvest	0.5L/500L/1acre, 1-2 times every 7~10 days
Etc	When growth is slow and vitality is low	1L/1000L/1acre, 2-3 times every 7~10 days

PACKING UNIT
500ml, 1L, 1000L

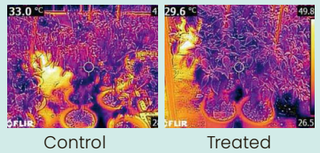
COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

Each diluted 1,000times by foliar application

Control Treated

Taking a photo of leaves by thermal imaging camera inside of the greenhouse temperature as 44°C



Control Treated

MANUFACTURED BY DOF Ltd

LUK-S

ACTIVE INGREDIENTS_20% of amino acids derived from soybeans

PRODUCT INFORMATION

LUK-S is a liquid amino acid product that promotes plant metabolic activity and induces balanced growth even in situations where normal growth is difficult due to environmental stress. It also improves vitality during periods with many growth changes, such as the flowering or fruit setting stages, when a lot of energy is needed for plant growth. It is a popular amino acid product made by mixing 20% free amino acids and trace elements such as boron and zinc.

ANALYSIS

Nitrogen (N)	4%
Water-soluble Boron (B_2O_3)	1.50%
Water-soluble Zinc (Zn)	1.50%
Total Amino acid	25%
Free Amino acid	20%

PHYSICAL DATA

Appearance	Brown color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	4~5
Specific Gravity	1.15~1.25

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Before flowering, after flowering, after fruit set, until fruit growth	1L/500L/0.5acre, 4-5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	After transplantation, after fruiting, during fruit growth	1L/500L/1acre, 2-3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	From the time of planting to the growing season	1L/500L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	From the time of planting to the growing season	1L/500L/1acre, 2-3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From the time sprouts appear to the time of harvest	1L/500L/1acre, 1-2 times every 7~10 days
Etc	When growth is sluggish and vitality is low	1L/500L/0.5acre, 2-3 times every 7~10 days

* DRIP IRRIGATION : 15L/1Ha

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

3 Times of foliar fertilization at diluted 1000 times in seedling raising stage

Treated Control

Control Treated

MANUFACTURED BY DOF Ltd

SEAWEED-F

ACTIVE INGREDIENTS_30% solid content of seaweed extract derived from Ascophyllum nodosum

PRODUCT INFORMATION

SEAWEED-F is a liquid seaweed extracted product made from Ascophyllum nodosum, which grows naturally in the North Atlantic. This product is rich in plant growth regulators and is very effective in increasing the self-resistance of plants in response to climate change such as cold weather. It also increases pathogen resistance by increasing self-defense inducers and enhances fertilizer absorption through its role as a carrier for nutrient movement. It is the best biological product that stimulates plant growth and increases stress resistance.

ANALYSIS

Water-soluble Potassium (K_2O) 6%

PHYSICAL DATA

Appearance ..... Black color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 8.5~9.5
Specific Gravity ..... 1.18~1.28

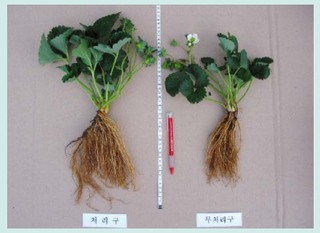
DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Before flowering, after flowering, after fruit set, until fruit growth	1L/1000L/0.5acre, 4-5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	After transplantation, after fruiting, during fruit growth	1L/500L/1acre, 2-3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	From the time of planting throughout the entire growing season	1L/500L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	From the time of planting throughout the entire growing season	1L/500L/1acre, 2-3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From the time of planting throughout the entire growing season	1L/500L/1acre, 1-2 times every 7~10 days
Etc	When plant growth is poor due to environmental stress or when promoting cell division	1L/500L/0.5acre, 2-3 times every 7~10 days

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.



Treated Untreated

Control/SEAWEED-F/Control/ Untreated

MANUFACTURED BY DOF Ltd

THE ROOTS

DERIVED FROM_Urea, Mono ammonium phosphate, Poly potassium phosphate, Mono potassium phosphate, EDTA Zinc, Boric acid
OTHER ACTIVE INGREDIENTS_Amino acids 2.3%, Humic acid &Fulvic acid 11%

PRODUCT INFORMATION

THE ROOTS is a natural rooting agent containing amino acids, humic acid, and fulvic acid. The roots are like the brain of the plant and have a function that determines the growth of the plant. Depending on the soil environment, they are subject to severe stress and as the crop grows, they need to absorb more nutrients and supply them to the plant, so the larger the crop, the more roots are needed. THE ROOTS is a good root nutrient that should be supplied to the roots periodically for long-term cultivation and high yields.

ANALYSIS

Nitrogen (N) 1%
Water-soluble Phosphoric (P_2O_5) 3%
Water-soluble Potassium (K_2O) 4%
Water-soluble Boron (B_2O_3) 0.60%
Water-soluble Zinc (Zn) 0.10%

PHYSICAL DATA

Appearance ..... Black color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 7~8
Specific Gravity ..... 1.1~1.2

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	When new roots start to emerge, when growth is vigorous	15L/1Ha, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Immediately after planting, during the maximum growth period, when many fruits have been produced	15L/1Ha, 4-5 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Immediately after planting, during the maximum growth period,	15L/1Ha, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	During the entire growing season	15L/1Ha, 1~2 times every 7~10 days
Grain crops such as rice, wheat, and corn	Maximum growth period after new leaves emerge	15L/ 1Ha, 1-2 times every 7~10 days
Etc	Root Activation, when new roots need to develop	15L/1Ha, 2-3 times every 7~10 days

* FOLIAR DOSE : 1L/ 500~1000L/1acre

PACKING UNIT
2L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers. However, it must be used immediately after mixing.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

Picture of THE ROOTS of red pepper

Comparison of each treatment zone at 35 days after planting

Picture of THE ROOTS of strawberry

Comparison of each treatment zone at 35 days after planting

MANUFACTURED BY DOF Ltd

BULB GRO

ACTIVE INGREDIENTS_Amino acids 1.7%, Vitamin 58%, Enzyme for bulb size enhancement 0.08%

PRODUCT INFORMATION

BULB GRO is a product that promotes bulb enlargement by stimulating cell growth through foliar application. Applying it in the early stages of bulb formation stimulates above-ground growth and has a direct effect on the bulbs. This is an eco-friendly product made by combining various substances that are effective in bulb enlargement. As the bulb grows, the tissue becomes firmer and disease resistance is improved.

ANALYSIS

B_2O_3	0.05%
Mo	0.0005%

PHYSICAL DATA

Appearance	Black color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	9.5~10.5
Specific Gravity	1.0~1.1

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Not available	-
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Not available	-
Bulbs such as garlic, onions, and potatoes	Immediately after the bulbs are formed	1L/1000L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	Not available	-
Grain crops such as rice, wheat, and corn	Not available	-
Etc	Immediately after the bulbs are formed	1L/1000L/1acre, 2-3 times every 7~10 days

PACKING UNIT
500ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

Untreated 500 times 1000 times

Untreated 500 times 1000 times

MANUFACTURED BY DOF Ltd

BIG BULB

ACTIVE INGREDIENTS_Polysaccharide 25%

PRODUCT INFORMATION

BIG BULB is a product for bulb crops such as onions, garlic, ginger, and potatoes. It is the last product to be used for bulb enlargement 20 days before harvest. It is designed to prevent nitrogen absorption and move nutrients from the aboveground part to the underground part to make the bulbs large and full. This product must be used 1-2 times just before harvest. If used during growth, the strength of the leaves and stems will be weakened, so caution should be taken.

ANALYSIS

Water-soluble Boron (B_2O_3)	27%
Water-soluble Zinc (Zn)	0.10%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Blue color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	9.0~10.0
Specific Gravity	1.3~1.4

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Not available	-
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Not available	-
Bulbs such as garlic, onions, and potatoes	About 20 days before harvest	1L/1000L/1acre, 2 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	Not available	-
Grain crops such as rice, wheat, and corn	Not available	-
Etc	Just before harvest of bulb crops	1L/1000L/1acre, 2 times every 7~10 days

PACKING UNIT
500ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

MANUFACTURED BY DOF Ltd

GS-BIG

ACTIVE INGREDIENTS_Amino acids 10%, Vitamin 15%, Polysaccharide 30%, Enzyme 0.1%

PRODUCT INFORMATION

GS-BIG is a product that promotes cell division. The size and marketability of fruits are primarily determined by the amount of cell division. The degree of cell division determines the growth of the plant, the amount of leaves, the development of roots, the quantity, quality, and storability of the fruit. Appropriate efforts during the cell division period can effectively manage crops. This product is made by mixing various functional substances involved in cell division and can be supplied to crops through foliar fertilization. Most directly, in the case of fruit crops, flowering is promoted and fertilization and fruiting are stably achieved. Leaf vegetables have the characteristic of producing many inner leaves.

ANALYSIS

B_2O_3 ..... 0.05%
Mo 0.0005%

PHYSICAL DATA

Appearance ..... Brown color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 3~4
Specific Gravity ..... 1.05~1.15

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Before flowering, after flowering, after fruit set,	1L/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Every time it blooms	0.5L/500L/1acre, 1~2 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	When the bulb is formed	0.5L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	When the inner leaves start to emerge	0.5L/500L/1acre, 1~2 times every 7~10 days
Grain crops such as rice, wheat, and corn	Before the flowers bloom	0.5L/500L/1acre, 1~2 times every 7~10 days
Etc	When cell division progresses actively	1L/1000L/1acre, 2~3 times every 7~10 days

PACKING UNIT
500ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

Pear


Initial application- immediately before flowering


2nd application- full blossom

Apple


Initial application- immediately before flowering


2nd application-flowers in the center at full blossom

Grapes


Initial application- before flowering


2nd application- soon after full blossom

MANUFACTURED BY DOF Ltd

BIG GRA

ACTIVE INGREDIENTS_Amino acids 1.8%, Vitamin & Organic acid 5%, Chelating agent 2%, Polysaccharide 88%, Enzyme for fruit size enhancement 3.1%

PRODUCT INFORMATION

BIG GRA is a powder-type fruit enlargement agent made by mixing various ingredients such as sugars, amino acids, and enzymes according to the fruit growth mechanism without any chemical synthetic hormones. BIG GRA stimulates the cell growth of the fruit and helps produce large, marketable fruit. There are no side effects such as the fruit easily spoiling, the storage period being shortened, or the tree's strength being reduced. Rather, it extends the storage period, improves the taste, and helps to enhance the color.

ANALYSIS

Water-soluble Boron (B_2O_3) 0.05%
Water-soluble Molybdenum (Mo) 0.0005%

PHYSICAL DATA

Appearance ..... Light beige color powder
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 6.5~7.5
Density ..... 0.8~0.9

DOSE AND INSTRUCTION FOR USE

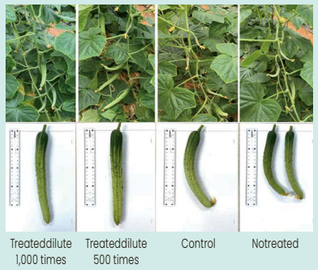
CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Fruit enlargement period	1L/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	After fruit set until fruit enlargement	0.5L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Not available	–
Leafy vegetables such as cabbage and lettuce	Not available	–
Grain crops such as rice, wheat, and corn	After the grains have formed	0.5L/500L/1acre, 1~2 times every 7~10 days
Etc	When promoting fruit enlargement after fruit set	1L/1000L/1acre, 2~3 times every 7~10 days

PACKING UNIT
500g, 10kg

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.
Do not use it on bulbs such as garlic or onions, or on crops such as cabbage or lettuce, as this may cause flowering.

Test by cucumber (Apr.2022) after fruiting 1st foliar application


Treateddilute 1,000 times | Treateddilute 500 times | Control | Notreated

Test by apple(Oct.2022), after fruiting, cell expansion stage foliar application 2 times (Compare 10 apples)

SPEED COLOR

ACTIVE INGREDIENTS_Amino acids used in fruit coloration 41%, Enzyme regulating fruit coloration 1.5%

PRODUCT INFORMATION

SPEED COLOR is a natural color enhancer used to enhance the coloring of fruits during the harvest season. If the color of the fruit does not appear properly before harvest, it becomes a very serious problem for marketability. This product helps to quickly synthesize and accumulate anthocyanins by activating amino acid metabolism. This product does not contain any artificial hormones. However, it shows a stronger effect than any other product. It also has no special side effects. However, this product should only be applied once or twice. If sprayed repeatedly, the effect is less than expected.

ANALYSIS

Water-soluble Phosphorus (P_2O_5)	15%
Water-soluble Boron (B_2O_3)	0.05%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Brown color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	2~3
Specific Gravity	1.05~1.15

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	About 20 days before harvest	1L/500~1000L/0.5~1acre, 1~2 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	About 10 days before harvest	1L/500~1000L/0.5~1acre, 1~2 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Not applicable	–
Leafy vegetables such as cabbage and lettuce	Not applicable	–
Grain crops such as rice, wheat, and corn	Not applicable	–
Etc	To improve coloring just before harvest	1L/500~1000L/0.5~1acre, 1~2 times every 7~10 days

PACKING UNIT
500ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.
Please do not repeat spraying more than twice.

Treated

Untreated

MANUFACTURED BY DOF Ltd

SUGAR & COLOR LX

ACTIVE INGREDIENTS_Polysaccharide 54% , Organic Acid 1%, Amino acids used in fruit coloration 15%, Enzyme regulating fruit coloration 1%

PRODUCT INFORMATION

SUGAR & COLOR LX is a natural coloring enhancer used in fruit coloring to increase the sugar content and coloring of fruits. When the sugar content and coloring of fruits are poor due to high temperature, insufficient sunlight, excessive fruit set, or insufficient tree strength, high concentrations of polysaccharides and active amino acids help naturally produce and accumulate anthocyanins. Since the plant itself increases sugar content and coloring in accordance with the fruit growth mechanism without using artificial hormones, it can be used safely without side effects such as softness or reduced storability.

ANALYSIS

Water-soluble Potassium (K_2O)	4%
Water-soluble Boron (B_2O_3)	0.10%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Orange color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	11~12
Specific Gravity	1.25~1.35

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	From the beginning of coloring to harvest	1L/500~1000L/0.5~1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	From the beginning of coloring to harvest	1L/500~1000L/0.5~1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Not available	applicable
Leafy vegetables such as cabbage and lettuce	Not available	applicable
Grain crops such as rice, wheat, and corn	Not available	applicable
Etc	When you need to increase sweetness and coloring	1L/500~1000L/0.5~1acre, 2~3 times every 7~10 days

PACKING UNIT
1L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.
If you use it at a concentration of 500 times or more, it may stop the growth of the fruit, so be sure to follow the dilution concentration of 500 to 1000 times.

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RECORVER

ACTIVE INGREDIENTS_Ascophyllum nodosum Extracts 10%, Amino acids 35% , Polysaccharide 10%

PRODUCT INFORMATION

RECORVER quickly and effectively restores the metabolic activity of plants when they are under severe stress due to irregular weather and poor weather conditions, and when crops have growth abnormalities. It also fosters the ability to overcome problems caused by pesticides and fertilizers. This product is a problem solver that quickly restores stress suffered during crop cultivation.

ANALYSIS

Nitrogen (N)	5%
Water-soluble Boron (B_2O_3)	0.05%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Black color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	5~6
Specific Gravity	1.2~1.3

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	During the growing season, when problems occur due to lack of sunlight, low temperature, high temperature, strong wind, fertilizer damage, pesticide damage, etc.	1L/1000L/1acre, 2-3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers		0.5L/500L/1acre, 2-3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes		0.5L/500L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce		0.5L/500L/1acre, 2-3 times every 7~10 days
Grain crops such as rice, wheat, and corn		0.5L/500L/1acre, 1-2 times every 7~10 days
Etc		1L/1000L/1acre, 2-3 times every 7~10 days

PACKING UNIT
500ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.


Before treatment


After treatment

MANUFACTURED BY DOF Ltd

COLD ZERO

ACTIVE INGREDIENTS_Organic acid 1%, Activated Vitamin 50%, Amino acid 3%, Polysaccharide 4%

PRODUCT INFORMATION

COLD ZERO is a product used to protect crops when crop damage is expected due to low temperatures. The main ingredient of this product, active vitamins, protect the epidermal cells of plants in low temperatures and participate in protein metabolism to increase stress resistance. In addition, low-temperature damage mainly occurs in dry environments, and it promotes the absorption of potassium, thereby increasing the concentration of potassium in the body and helping to regulate pore opening and closing and transpiration. Preventing low-temperature damage is important. After damage, a lot of time and energy are consumed until recovery. COLD ZERO is an effective product that prevents low temperature damage.

ANALYSIS

Nitrogen (N)	4%
Water-soluble Potassium (K_2O)	0.50%
Water-soluble Calcium (CaO)	0.30%
Water-soluble Boron (B_2O_3)	0.10%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Light brown color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	5.5~6.5
Specific Gravity	1.05~1.1

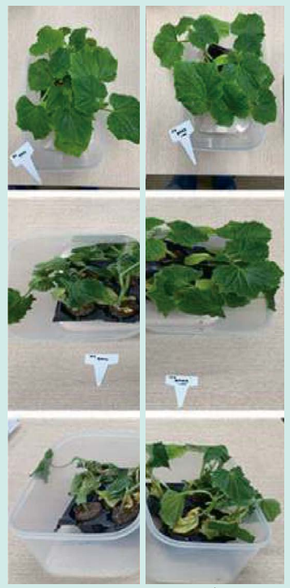
DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Foliar application for crop damage prevention when crop damage due to low temperatures is expected. The effect appears 2-3 days after application and lasts for about 7 days.	1L/500L/0.5acre, 2-3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers		1L/500L/1acre, 2-3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes		1L/500L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce		1L/500L/1acre, 2-3 times every 7~10 days
Grain crops such as rice, wheat, and corn		1L/500L/1acre, 1-2 times every 7~10 days
Etc		1L/1000L/1acre, 2-3 times every 7~10 days

PACKING UNIT
1L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it. This product is a low-temperature damage prevention agent. If you are damaged and need recovery, please use RECORVER.



DSD-1

OTHER ACTIVE INGREDIENTS_Trans-3-(3-Thienyl)acrylic acid, 2-(E)-2-Phenylethenyl benzoic acid

PRODUCT INFORMATION

DSD-1 is a drought and osmotic stress resistance enhancer. Crop stress due to lack of water is a major risk factor for yield loss. This product has properties similar to the ABA hormone, so it controls the opening and closing of stomata in drought conditions, thereby increasing the survival of plants. In addition, even if damaged due to drought stress, it shows relatively rapid recovery. ABA hormone ages crops, but this product does not age crops but increases resistance and promotes normal growth when water is supplied. This product can be designed as an excellent product by mixing it with seaweed extracts or minerals at the request of customers, as well as our own product.

ANALYSIS

Water-soluble Potassium (K2O) 6%

PHYSICAL DATA

Appearance ..... Orange color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 6~7
Specific Gravity ..... 1.08~1.12

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Treat as a preventive measure when a severe water shortage is expected due to drought or when water usage needs to be reduced. Treat as a preventive measure when osmotic stress occurs due to salt accumulation in the soil.	1L/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers		0.5L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes		0.5L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce		0.5L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn		0.5L/500L/1acre, 1~2 times every 7~10 days
Etc		1L/1000L/1acre, 2~3 times every 7~10 days

PACKING UNIT
500ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.
It is recommended to use it with a penetration diffusion agent for foliar treatment.
Do not overuse more than the dilution ratio.

3 days after treatment with DSD-1 on pepper seedlings (treated on the left, untreated on the right)

MANUFACTURED BY DOF Ltd

SALT DOWN

OTHER ACTIVE INGREDIENTS_Chelating agent 11%, Humic acid & Fulvic acid 10%, Organic acid 5%

PRODUCT INFORMATION

SALT DOWN is a product designed to use chelate to solubilize insoluble salts in the soil so that plants can use them as nutrients. The solubilized salts reduce the accumulation of salts in the soil in the long term, improving soil conditions and promoting crop growth. This product reduces the risk of disease in the root zone and promotes the development of fine roots to activate nutrient and water absorption. The biggest advantage of this product is that it can be used for soil improvement during crop cultivation and prevents the accumulation of fertilizer components that inevitably occur during cultivation.

ANALYSIS

Water-soluble Boron (B2O3) 0.05%
Water-soluble Molybdenum (Mo) 0.0005%

PHYSICAL DATA

Appearance ..... Black color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 9~10
Specific Gravity ..... 1.1~1.2

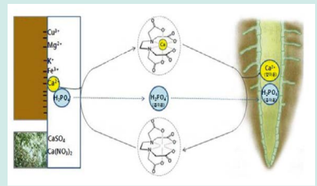
DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	When soil salt accumulation is high from the beginning of growth and salt damage is expected, or when salt damage is expected during the dry season during cultivation	15L/1Ha, 3~4 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers		15L/1Ha, 3~4 times every 7~10 days
Bulbs such as garlic, onions, and potatoes		15L/1Ha, 3~4 times every 7~10 days
Leafy vegetables such as cabbage and lettuce		15L/1Ha, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn		15L/1Ha, 1~2 times every 7~10 days
Etc		15L/1Ha, 3~4 times every 7~10 days

PACKING UNIT
10L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it



Treated Untreated

Comparison of Root Development of Cucumbers

After planting cucumbers in the salt-accumulated soil, total 3times at intervals of 10 days (Dosage : 1L/660m²), difference is clear

MANUFACTURED BY DOF Ltd

GLOSTAR

OTHER ACTIVE INGREDIENTS_Rosin, Polyphenol, Herb Oil, Polyoxyethylene sorbitan monooleate

PRODUCT INFORMATION

GLOSTAR is a crop protection coating made with pine extract as the main ingredient. This product coats the surface of crops with strong adhesiveness, preventing moisture evaporation and inhibiting the penetration of pathogens. It also coats crops when sprayed together with pesticides, preventing the efficacy from decreasing due to frequent rain.
It does not affect the respiration of crops and forms a physical film to protect crops. In the case of oranges, their freshness is maintained for a long time by increasing the preservation period even after harvest.

ANALYSIS

Water-soluble Boron (B_2O_3) 0.05%
Water-soluble Molybdenum (Mo) 0.0005%

PHYSICAL DATA

Appearance ..... Light brown color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 5~6
Specific Gravity ..... 0.95~1.05

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Used to protect crops from rain or drought, and to maintain freshness during harvest	1L/500L/0.5acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Enhancement of drug efficacy through mixed spraying with pesticides	1L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Enhancement of drug efficacy through mixed spraying with pesticides	1L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	Not available	-
Grain crops such as rice, wheat, and corn	Enhancement of drug efficacy through mixed spraying with pesticides	1L/500L/1acre, 1~2 times every 7~10 days
Etc	Enhanced efficacy, improved crop preservation period, protection from pests and diseases	1L/500L/1acre, 2~3 times every 7~10 days

PACKING UNIT
500ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

GLOSTAR treatment and control comparison after harvesting citrus fruits (photo after 20 days of spraying)

No treatment from the left, 1000 times of GLOSTAR treatment, 500 times of GLOSTAR treatment, 4 types of control.
As a result, the untreated area begins to wrinkle and decay due to evaporation of water on the surface of citrus fruits. GLOSTAR treatment tool maintains the luster of the citrus surface and maintains a state similar to that of harvest.
It is also very good compared to other control products.

MANUFACTURED BY DOF Ltd

SPEED UP

ACTIVE INGREDIENTS_Polyoxyethylene isotridecyl ether, Polyalkylenoxide methyltrisiloxane

PRODUCT INFORMATION

SPEED UP is a product containing surfactants and adjuvants that lowers the surface tension of water to help pesticides and fertilizers quickly penetrate plants, pests, and pathogens. It is a pesticide and fertilizer additive with four functions: penetration, adhesion, diffusion, and drying. If you mix this product with pesticides or fertilizers, the efficacy will increase and the probability of harm will be greatly reduced compared to products that are not mixed when used at standard concentrations. Pesticides or fertilizers are often used at concentrations higher than the standard because they are said to have poor efficacy, but if SPEED UP is added, the medicinal efficacy will be displayed normally even at normal concentrations.

ANALYSIS

Water-soluble Boron (B_2O_3) 0.05%
Water-soluble Molybdenum (Mo) 0.0005%

PHYSICAL DATA

Appearance ..... Translucent liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 7.5~8.5
Specific Gravity ..... 0.95~1.05

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Mixed spraying when applying pesticides or fertilizers	1L/4000~5000L
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers		
Bulbs such as garlic, onions, and potatoes		
Leafy vegetables such as cabbage and lettuce		
Grain crops such as rice, wheat, and corn		
Etc		

PACKING UNIT
100ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

Test on SPEED-UP's Drying Rate

Control Product : Water and humic acid solution at dilution rate 1:1000
Mixed with SPEED-UP : Water and humic acid solution at dilution rate 1:1000 + SPEED-UP 1:5000
The plot treated with SPEED-UP-mixed solution showed better drying rate without chemical residues, while the other plot only treated with competitive product showed less drying rate and chemical residues

MANUFACTURED BY DOF Ltd

ACIDER

ACTIVE INGREDIENTS_Polysaccharide, Organic acid

PRODUCT INFORMATION

ACIDER is a product made mainly of various organic acids generated during the metabolic process of plants and is used to make the pH of the soil and water quality slightly acidic. The organic acids used in this product act as a catalyst for metabolic activation, helping with the absorption and movement of nutrients, and safely manage the pH without irritating the roots or leaves.

ANALYSIS

Water-soluble Boron (B2O3)	0.05%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Light pink liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	2~3
Specific Gravity	1.05~1.1

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Mixed use when applying pesticides or fertilizers	1L/2000L (Based on when the water turns pink when diluted in water)
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers		
Bulbs such as garlic, onions, and potatoes		
Leafy vegetables such as cabbage and lettuce		
Grain crops such as rice, wheat, and corn		
Etc		

PACKING UNIT
250ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

LIQUID PK

DERIVED FROM_Mono potassium phosphate, Di potassium phosphate, Pyro potassium phosphate, Poly potassium phosphate, Potassium carbonate, Potassium hydroxide, Boric acid, Sodium molybdate
OTHER INGREDIENTS_Humic acid 1%

PRODUCT INFORMATION

LIQUID PK is a fast-acting liquid potassium phosphate product containing high concentrations of phosphorus and potassium. Phosphorus uses mono, di, and poly forms of phosphorus to increase phosphorus efficiency and lower insolubility, thereby promoting root development, thick stems, and thick leaves, and helping crops grow with greater disease resistance. It also increases potassium absorption, rapidly supplying nutrients necessary for fruit growth. Contains approximately 350g of phosphorus and 500g of potassium per liter, which is sufficient to replace potassium phosphate fertilizer.

ANALYSIS

Water-soluble phosphorus (P2O5)	20%
Water-soluble Potassium (K2O)	30%
Water-soluble Boron (B2O3)	0.05%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Orange color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	7.5~8.5
Density	1.6~1.7

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Flower bud differentiation period, late fruit enlargement period	1L/500L/0.5acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	When rooting, fruit enlargement, and overgrowth occur	1L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Bulb enlargement, harvest period	1L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	From the time of planting to the harvest, when the overgrowth appears	1L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From the time the fruit is set until harvest time, when the stems and leaves become weak and overgrowth appears	1L/500L/1acre, 1~2 times every 7~10 days
Etc	Root development, prevention of overgrowth, and strengthening of disease resistance	1L/500L/0.5acre, 2~3 times every 7~10 days

* DRIP IRRIGATION - 15L/1Ha

PACKING UNIT
1L, 1000L

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with products containing calcium.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

Treated 500 Untreated

Treated 500 Untreated

MANUFACTURED BY DOF Ltd

MEGA POWER CAL

DERIVED FROM_Organic Calcium, Boric acid

OTHER INGREDIENTS_Amino acids 2.5%, Lignosulfonates 2.5%

PRODUCT INFORMATION

MEGA POWER CAL is a high-concentration, water-soluble powdered organic calcium supplement. This product double-chelates organic calcium with amino acids and lignin sulfate, and adds boron to promote calcium transport. This product is highly effective in preventing and resolving calcium deficiencies, a common problem in crop cultivation, through fertigation or foliar application. It has a lesser impact on soil pH than conventional inorganic calcium supplements such as calcium nitrate or calcium chloride, is safe to use in acidic soils, and provides a pure calcium source without the burden of nitrogen or chlorine. Furthermore, compared to conventional inorganic calcium, the low-molecular-weight organic acid promotes calcium transport and absorption, resulting in faster results. It also prevents cations from becoming insoluble in the soil, increasing fertilizer efficiency. It promotes healthy, marketable crop growth by enhancing disease resistance, increasing firmness, preventing soft rot, improving storage, preventing cracking and tip burn, and promoting root vitality. This technology is DOF's unique know-how.

ANALYSIS

Water-soluble Calcium (CaO) 40%
Water-soluble Boron (B2O3) 1%

PHYSICAL DATA

Appearance ..... Brown color powder
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 6~7
Density ..... 0.95~1.05

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	From fruit setting to harvest	1KG/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Seedling, rooting, fruit enlargement, harvesting	0.5KG/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	From bulb formation until harvest time	0.5KG/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	When the overgrowth appears from the time of rooting until harvesting	0.5KG/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From the time the grain is formed until the harvest	0.5KG/500L/1acre, 1~2 times every 7~10 days
Etc	Use during the growing season to prevent calcium deficiency	0.5KG/500L/1acre, 2~3 times every 7~10 days

PACKING UNIT
500g, 1kg, 10kg

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with products containing sulfur or phosphorus.

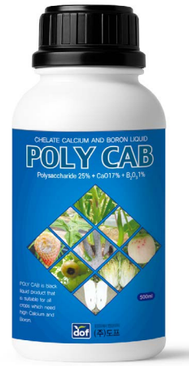
CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

POLY CAB

DERIVED FROM_Calcium nitrate, Calcium chloride, Boric acid

OTHER INGREDIENTS_Polysaccharide 25%, Amino acids 4%



PRODUCT INFORMATION

POLY CAB is a liquid calcium supplement containing high concentration of calcium and boron double chelated using amino acids. The difference from general calcium agents is that it contains 25% of polysaccharides, which quickly restores the vitality of plants and effectively cures various physiological disorders caused by calcium deficiency. In particular, when used during the fruiting and coloring periods, it greatly helps in the production of high-quality fruits with excellent disease resistance, storage properties, taste, and color.

ANALYSIS

Water-soluble Calcium (CaO) 17%
Water-soluble Boron (B2O3) 1%

PHYSICAL DATA

Appearance ..... Black color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 7~8
Specific Gravity ..... 1.45~1.55

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	From fruit setting to harvest	1L/1000L/1acre, 4~5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	From fruit setting to harvest	0.5L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	From bulb formation until harvest time	0.5L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	From the time the inner leaves emerge until harvest time	0.5L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From the time the grain is formed until harvest time	0.5L/500L/1acre, 1~2 times every 7~10 days
Etc	Young fruits, coloring, when calcium supply is needed	1L/1000L/1acre, 2~3 times every 7~10 days

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with products containing phosphorus or sulfur and alkali products.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

CAL STAR GOLD

DERIVED FROM_Calcium nitrate, Calcium chloride, Boric acid
OTHER INGREDIENTS_Amino acid 3%

PRODUCT INFORMATION

CAL STAR GOLD is a liquid calcium supplement containing high concentrations of calcium and boron double-chelated with amino acids. This product is very effective in strengthening the cell membranes of crops, improving disease resistance, preventing fruit crack, tip rot of tomatoes and peppers, and rot of cabbage, onions, and garlic by providing sufficient calcium supply.

ANALYSIS

Water-soluble Calcium (CaO) 17%
Water-soluble Boron (B2O3) 0.5%

PHYSICAL DATA

Appearance ..... Light Brown color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 7~8
Specific Gravity ..... 1.4~1.5

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	After fruit setting until harvest	1L/1000L/1acre, 4-5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	After fruit setting until harvest	0.5L/500L/1acre, 2-3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	From bulb formation until harvest time	0.5L/500L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	From the time the inner leaves emerge until harvest time	0.5L/500L/1acre, 2-3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From the time grains are formed until harvest time	0.5L/500L/1acre, 1-2 times every 7~10 days
Etc	When the fruit is young, growing, coloring, and needs calcium supply	1L/1000L/1acre, 2-3 times every 7~10 days

* DRIP IRRIGATION : 10L/1Ha

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with products containing phosphorus or sulfur.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

LIQUID NITCAL

DERIVED FROM_Urea, Calcium nitrate, Calcium chloride, Magnesium nitrate, Boric acid
OTHER INGREDIENTS_None

PRODUCT INFORMATION

LIQUID NITCAL is a liquid calcium supplement for growing plants that contains a large amount of nitrogen. It is designed to enable smooth crop management in the event of disorders due to calcium deficiency, such as slow growth due to nitrogen deficiency, symptoms of burning of leaf tips, or burning of flower tips.

ANALYSIS

Nitrogen (N) 10%
Water-soluble Calcium (CaO) 15%
Water-soluble Magnesium (MgO) 1%
Water-soluble Boron (B2O3) 0.05%

PHYSICAL DATA

Appearance ..... Green color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 7~8
Specific Gravity ..... 1.45~1.55

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	From after fruit set to early fruit enlargement	1L/1000L/1acre, 2-3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	From after fruit set to early fruit enlargement	0.5L/500L/1acre, 2-3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	From the time the bulb is formed to the early stage of enlargement	0.5L/500L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	From planting to harvest	0.5L/500L/1acre, 2-3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From the time the grain is formed until harvest time	0.5L/500L/1acre, 1-2 times every 7~10 days
Etc	When growth is slow, calcium supply is needed	1L/1000L/1acre, 2-3 times every 7~10 days

* DRIP IRRIGATION : 10L/1Ha

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with products containing phosphorus or sulfur and alkali products.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

Treated Untreated

Treated Untreated

MANUFACTURED BY DOF Ltd

LIQUID CALMAG

DERIVED FROM_Calcium nitrate, Calcium chloride, Magnesium nitrate, Magnesium chloride, Boric acid

OTHER INGREDIENTS_Amino acid 2%

PRODUCT INFORMATION

LIQUID CALMAG is a liquid product that simultaneously supplies calcium and magnesium to plants. Calcium and magnesium are chelated with amino acids and mixed with nitrate nitrogen to improve absorption and mobility through the synergistic effect of nutrients. It prevents physiological disorders caused by calcium deficiency, quickly resolves symptoms of disorders, and promotes chlorophyll formation, making it effective for managing fresh and healthy crops

ANALYSIS

Total nitrogen (N)	5%
Water-soluble Calcium (CaO)	14%
Water-soluble Magnesium (MgO)	5%
Water-soluble Boron (B2O3)	0.10%

PHYSICAL DATA

Appearance	Light Brown color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	7~8
Specific Gravity	1.45~1.55

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	From after fruiting to before coloring	1L/1000L/1acre, 4-5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	From the time of fruiting to the entire growing season	0.5L/500L/1acre, 2-3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	From the time the bulb is formed until the bulb grows	0.5L/500L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	From the time the inner leaves start to emerge until harvest time	0.5L/500L/1acre, 2-3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From the time the grain is formed until harvest time	0.5L/500L/1acre, 1-2 times every 7~10 days
Etc	When calcium and magnesium supply is needed	1L/1000L/1acre, 2-3 times every 7~10 days

*DRIP IRRIGATION : 10L/1Ha

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with sulfur and alkali products

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

CAP 2018

DERIVED FROM_Calcium nitrate, Mono Potassium phosphate, Phosphoric acid, Boric acid

OTHER INGREDIENTS_None

PRODUCT INFORMATION

CAP2018 is a liquid product containing high concentrations of phosphorus and calcium. It is used to prevent overgrowth caused by excessive nitrogen and to promote healthy and balanced growth of crops. It is also effective in making leaves strong and thick, thereby increasing disease resistance.

ANALYSIS

Nitrogen (N)	4%
Water-soluble phosphorus (P2O5)	10%
Water-soluble Potassium (K2O)	3%
Water-soluble Calcium (CaO)	8%
Water-soluble Boron (B2O3)	0.05%

PHYSICAL DATA

Appearance	Clear liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	2~3
Specific Gravity	1.3~1.4

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	When new flower buds are formed and during high temperature periods	1L/500L/0.5acre, 2-3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	When the overgrowth appears from the time of root establishment until harvest time	1L/500L/1acre, 2-3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	When the bulb grows	1L/500L/1acre, 2-3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	When the overgrowth appears from the time of root establishment until harvest time	1L/500L/1acre, 2-3 times every 7~10 days
Grain crops such as rice, wheat, and corn	When the stems and leaves become weak and overgrowth after the grains are formed	1L/500L/1acre, 1-2 times every 7~10 days
Etc	Prevents overgrowth	1L/500L/0.5acre, 2-3 times every 7~10 days

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with sulfur and alkali products

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

BALANCE PRO

DERIVED FROM_Phosphorous acid, Calcium acetate, Potassium chloride, Boric acid

OTHER INGREDIENTS_None

PRODUCT INFORMATION

BALANCE PRO is a powder product containing high concentrations of phosphoric and calcium. Normally, phosphoric and calcium form insoluble salts through chemical reactions, but BALANCE PRO is a 100% water-soluble product that supplies phosphoric and calcium at the same time. In particular, this product can adjust the content of calcium and phosphoric according to the customer's request and can also be manufactured by mixing potassium and trace elements as needed. BALANCE PRO simultaneously pursues disease resistance enhancement and overgrowth prevention of crops. This technology is DOF's special know-how.

ANALYSIS

Water-soluble phosphorus (P2O5)	37%
Water-soluble Potassium (K2O)	10%
Water-soluble Calcium (CaO)	25%
Water-soluble Boron (B2O3)	0.50%

PHYSICAL DATA

Appearance	White powder
Solubility	Approx 100%
pH (Water dilution 100 times)	6~7
Density	0.8~0.9

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	When new flower buds are formed and the fruit is enlarged and colored	1KG/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Nursery period, rooting period, fruit growth period, harvest period	0.5KG/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Bulb growth period, Harvest period	0.5KG/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	When the overgrowth appears from the time of root establishment until harvest time	0.5KG/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	When the stems and leaves become weak and overgrowth after the grains are formed	0.5KG/500L/1acre, 1~2 times every 7~10 days
Etc	Prevents overgrowth and enhances disease resistance	1KG/1000L/1acre, 2~3 times every 7~10 days

PACKING UNIT
500g, 10kg

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with sulfur and alkali products.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

PK CAB

DERIVED FROM_Mono potassium phosphate, Di potassium phosphate, Phosphorous acid, Calcium acetate, Calcium chloride, Boric acid

OTHER INGREDIENTS_None

PRODUCT INFORMATION

PK CAB is a powder product containing high concentrations of phosphorus, potassium, and calcium. Normally, phosphorus and calcium form insoluble salts through chemical reactions, but PK CAB is a 100% water-soluble product that supplies phosphorus and calcium at the same time. This product is designed to prevent overgrowth of crops and simultaneously solve calcium deficiency disorders. This technology is DOF's unique know-how.

ANALYSIS

Water-soluble phosphorus (P2O5)	16%
Water-soluble Potassium (K2O)	12%
Water-soluble Calcium (CaO)	16%
Water-soluble Boron (B2O3)	1%

PHYSICAL DATA

Appearance	White powder
Solubility	Approx 100%
pH (Water dilution 100 times)	3~4
Density	0.95~1.05

DOSE AND INSTRUCTION FOR USE

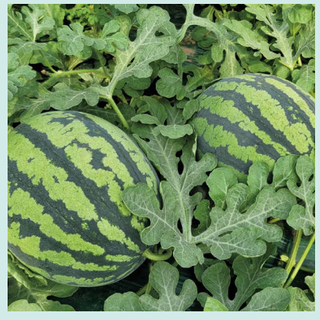
CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	When new flower buds are formed and the fruit enlarges and colors	1KG/500L/0.5acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Seedling, rooting, fruit enlargement, harvesting	1KG/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Blub enlargement, harvesting	1KG/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	When the overgrowth appears from the time of rooting until harvesting	1KG/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	When the stem and leaves become weak and overgrowth after the fruit setting	1KG/500L/1acre, 1~2 times every 7~10 days
Etc	Prevents overgrowth and enhances disease resistance	1KG/500L/1acre, 2~3 times every 7~10 days

*DRIP IRRIGATION : 30kg/1Ha

PACKING UNIT
500g, 1kg, 10kg

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with sulfur containing products.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it



MANUFACTURED BY DOF Ltd

COMBI 2

DERIVED FROM_Calcium acetate, Magnesium sulfate, EDTA Iron, EDTA Zinc, Zinc sulfate, EDTA manganese, Manganese sulfate, EDTA copper, Copper sulfate, Boric acid

OTHER INGREDIENTS_Polysaccharide 5%

PRODUCT INFORMATION

COMBI 2 is a powder product containing high calcium and chelated trace elements. It also helps with quick recovery by supplementing the energy needed to overcome physiological disorders by adding polysaccharides. It helps produce healthy crops without physiological disorders by simultaneously supplying calcium and trace elements during the entire growing period, including the flowering, fruiting, and coloring periods.

ANALYSIS

Water-soluble Calcium (CaO)	14%
Water-soluble Magnesium (MgO)	1%
Water-soluble Iron (Fe)	2.5%
Water-soluble Zinc (Zn)	2.6%
Water-soluble Boron (B2O3)	1.5%
Water-soluble Manganese (MnO)	0.9%
Water-soluble Copper (Cu)	0.3%

PHYSICAL DATA

Appearance	Ivory color powder
Solubility	Approx 100%
pH (Water dilution 100 times)	5.5~6.5
Density	0.8~0.9

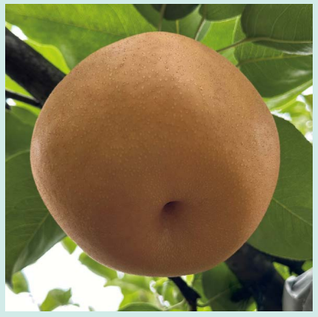
DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	From flowering to harvest	1KG/1000L/1acre, 4~5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	From planting to harvest	0.5KG/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Entire growing season	0.5KG/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	Entire growing season	0.5KG/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	Entire growing season	0.5KG/500L/1acre, 1~2 times every 7~10 days
Etc	When physiological disorders occur due to calcium and trace element deficiency	1KG/1000L/1acre, 2~3 times every 7~10 days

PACKING UNIT
500g, 1kg, 10kg

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with products containing phosphorus or sulfur.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it



MANUFACTURED BY DOF Ltd

GS MAG

DERIVED FROM_Magnesium chloride, EDTA Iron, Boric acid, Sodium molybdate

OTHER INGREDIENTS_Amino acid 4%, Polysaccharide 7%

PRODUCT INFORMATION

GS MAG is a high-concentration magnesium and trace element liquid product double-chelated with amino acids and is a product for preventing and curing magnesium deficiency. It provides the energy necessary to recover from physiological disorders caused by magnesium deficiency by adding polysaccharides. It promotes chlorophyll formation and prevents early leaf fall, keeping fresh and green leaves for a long time.

ANALYSIS

Water-soluble Magnesium (MgO)	10%
Water-soluble Iron (Fe)	0.1%
Water-soluble Boron (B2O3)	0.05%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Dark Brown color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	7~8
Specific Gravity	1.25~1.3

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	After fruit setting until harvest	1L/500L/0.5acre, 2~4 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	After fruit setting until harvest	1L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	After the mid-growing period	1L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	After the mid-growing period	1L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	After the mid-growing period	1L/500L/1acre, 1~2 times every 7~10 days
Etc	When physiological disorders occur due to magnesium deficiencies	1L/500L/0.5acre, 2~3 times every 7~10 days

* DRIP IRRIGATION : 15L/1Ha

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

COMBI 3

DERIVED FROM_Magnesium sulfate, EDTA Iron, EDTA Zinc, Zinc sulfate, EDTA Manganese, Manganese sulfate, EDTA Copper, Copper sulfate, Boric acid, Sodium molybdate

OTHER INGREDIENTS_Polysaccharide 5%

PRODUCT INFORMATION

COMBI 3 is a powder product containing high magnesium and chelated trace elements. It also helps with quick recovery by supplementing the energy needed to overcome physiological disorders by adding polysaccharides. It is designed to simultaneously and rapidly cure magnesium deficiency symptoms that mainly occur in old lower leaves and trace element deficiency symptoms that occur in new shoots. Securing healthy, green leaves is very important for improving photosynthetic ability and activating metabolism. COMBI 3 can be used on all crops and has particularly good effects when applied actively during periods of physiological aging.

ANALYSIS

Water-soluble Magnesium (MgO)	14%
Water-soluble Iron (Fe)	2.5%
Water-soluble Zinc (Zn)	2.0%
Water-soluble Boron (B2O3)	2.8%
Water-soluble Manganese (MnO)	1.2%
Water-soluble Copper (Cu)	0.25%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Ivory color powder
Solubility	Approx 100%
pH (Water dilution 100 times)	5.5~6.5
Density	0.9~1.0

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	From the mid-growing period to the harvest period	1KG/1000L/1acre, 2~4 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	From the mid-growing period to the harvest period	0.5KG/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	From the mid-growing period to the harvest period	0.5KG/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	From the mid-growing period to the harvest period	0.5KG/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	From the mid-growing period to the harvest period	0.5KG/500L/1acre, 1~2 times every 7~10 days
Etc	When physiological disorders occur due to magnesium and trace element deficiencies	1KG/1000L/1acre, 2~3 times every 7~10 days

* DRIP IRRIGATION - 10KG/1Ha

PACKING UNIT
500g, 1kg, 10kg

COMPATIBILITY
Generally, it can be mixed with pesticides but be careful when mixing it with fertilizers containing calcium.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

GS BORON

DERIVED FROM_Boric acid, EDTA Zinc, Sodium molybdate

OTHER INGREDIENTS_Polysaccharide 7%, Seaweed Extracts 3%, Amino acids 6%

PRODUCT INFORMATION

GS BORON is a liquid boron agent containing 6% water-soluble boron, and is combined with amino acids, seaweed extracts, and polysaccharides. Boron directly affects cell division, and if it is deficient, various physiological disorders occur, such as poor growth point, poor flowering, corking inside the plant, and poor sugar accumulation and movement. GS BORON uses amino acids as a carrier to promote movement within the plant, and quickly resolves physiological disorders caused by boron deficiency.

ANALYSIS

Water-soluble Boron (B2O3)	6.0%
Water-soluble Zinc (Zn)	0.05%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Black color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	8.5~9.5
Specific Gravity	1.08~1.15

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	From flowering to harvest	1L/500L/0.5acre, 4~5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	From planting to harvest	1L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Entire growing season	1L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	Entire growing season	1L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	Entire growing season	1L/500L/1acre, 1~2 times every 7~10 days
Etc	When physiological disorders occur due to boron deficiency	1L/500L/0.5acre, 2~3 times every 7~10 days

* DRIP IRRIGATION 15L/1Ha

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

GS MICRO

DERIVED FROM_Magnesium sulfate, EDTA iron, Iron sulfate, EDTA zinc, Zinc sulfate, EDTA manganese, Manganese sulfate, EDTA copper, Copper sulfate, Boric acid, Sodium molybdate

OTHER INGREDIENTS_Seaweed extract 5%, Polysaccharide 12%

PRODUCT INFORMATION

GS MICRO is a liquid product that combines seaweed extract and polysaccharide with chelated trace elements such as iron, zinc, boron, manganese, copper, and molybdenum. Seaweed extract acts as a carrier to help the absorption of trace elements, and polysaccharide replenishes energy and quickly improves physiological disorders. It quickly resolves growth abnormalities of unknown causes such as poor shoot growth, abnormal growth point, and cessation of shoot growth.

ANALYSIS

Water-soluble Magnesium (MgO)	2.0%
Water-soluble Iron (Fe)	2.5%
Water-soluble Zinc (Zn)	1.5%
Water-soluble Boron (B2O3)	1.2%
Water-soluble Manganese (MnO)	1.0%
Water-soluble Copper (Cu)	0.05%
Water-soluble Molybdenum (Mo)	0.0005%

PHYSICAL DATA

Appearance	Dark brown liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	4~5
Specific Gravity	1.2~1.3

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	From flowering to harvest	1L/500L/0.5acre, 4~5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	From planting to harvest	1L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	During the entire growing season	1L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	During the entire growing season	1L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	During the entire growing season	1L/500L/1acre, 1~2 times every 7~10 days
Etc	When physiological disorders occur due to micro nutrients deficiency	1L/500L/0.5acre, 2~3 times every 7~10 days

*DRIP IRRIGATION : 15L/1Ha

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers but do not mix with strong alkali products.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it

MANUFACTURED BY DOF Ltd

COMBI 1

DERIVED FROM_Magnesium sulfate, EDTA iron, EDTA zinc, Zinc sulfate, EDTA manganese, Manganese sulfate, EDTA copper, Copper sulfate, Boric acid, Sodium molybdate

OTHER INGREDIENTS_Polysaccharide 3%

PRODUCT INFORMATION

COMBI 1 is a powder product containing a high content of chelated trace elements. It also helps with quick recovery by supplementing the energy needed to overcome physiological disorders by adding polysaccharides. Trace elements are very necessary for balanced nutritional management in the early stage of growth, and are very effective in preventing various physiological disorders of unknown causes after the mid-stage of growth. In the later stage of growth, they are essential for improving the taste, flavor, and color of the crops. Crops need a small amount, but they should never be lacking. COMBI 1 is designed to stably supply trace elements from the early stage of growth to the harvest stage.

ANALYSIS

Water-soluble Magnesium (MgO)	1.5%
Water-soluble Iron (Fe)	5.0%
Water-soluble Zinc (Zn)	3.0%
Water-soluble Boron (B2O3)	8.0%
Water-soluble Manganese (MnO)	2.10%
Water-soluble Copper (Cu)	0.40%
Water-soluble Molybdenum (Mo)	0.003%

PHYSICAL DATA

Appearance	Khaki color powder
Solubility	Approx 100%
pH (Water dilution 100 times)	4~5
Density	1.0~1.1

DOSE AND INSTRUCTION FOR USE

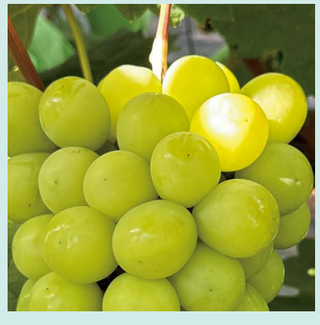
CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Entire growing season	0.5KG/1000L/1acre, 4~5 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Entire growing season	0.5KG/1000L/2acre, 3~4 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Entire growing season	0.5KG/1000L/2acre, 3~4 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	Entire growing season	0.5KG/1000L/2acre, 3~4 times every 7~10 days
Grain crops such as rice, wheat, and corn	Entire growing season	0.5KG/1000L/2acre, 1~2 times every 7~10 days
Etc	When physiological disorders occur due to trace element deficiency	0.5KG/1000L/1acre, 2~3 times every 7~10 days

* DRIP IRRIGATION - 5KG/1Ha

PACKING UNIT
500g, 1kg, 10kg

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it. Please follow the usage concentration.



MANUFACTURED BY DOF Ltd

BIO-SIL

DERIVED FROM_Silicate, Boric acid, Sodium molybdate
OTHER INGREDIENTS_Dispersant

PRODUCT INFORMATION

BIO-SIL is a pure liquid silicate containing 17% nano-sized silica, designed to supply silica to crops. Silicic acid is not an essential nutrient for plants, but in the case of plants of the grass family, if it is deficient, growth is stunted and serious damage to the yield occurs. In addition, it has been recently announced that when cucurbits such as cucumbers, pumpkins, and melons are deficient in silicon, leaf growth is reduced and fruiting is poor. In the case of bulbs such as potatoes, garlic, and onions, it is known to have a very important function in root vitality and disease resistance. This product is a liquefied form of 10 nano-sized silicon in order to stably supply silicon to plants through foliar fertilization or irrigation. When this product is used, the leaves become stiff and there is less leaf drooping in high temperatures, which reduces the occurrence of diseases such as mold and strengthens the stems, reducing damage from falling over in the wind.

ANALYSIS

Water-soluble Silicon (SiO2) 17%
Water-soluble Boron (B2O3) 0.05%
Water-soluble Molybdenum (Mo) 0.0005%

PHYSICAL DATA

Appearance ..... Translucent liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 9~10
Specific Gravity ..... 1.1~1.2

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	When the temperature is high and the leaves droop severely	1L/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	When a fungal disease occurs and leaves droop severely	0.5L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	When the leaves are weak after the mid-growing period	0.5L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	When the temperature is high and the leaves droop severely	0.5L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	When the leaves are weak after the mid-growing period	0.5L/500L/1acre, 1~2 times every 7~10 days
Etc	When there is overgrowth due to excessive nitrogen or when the leaves are drooping severely	1L/1000L/1acre, 2~3 times every 7~10 days

* DRIP IRRIGATION - 5KG/1Ha

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
Generally, it can be mixed with pesticides but be careful when mixing it with fertilizers containing calcium..

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it. When storing, keep at room temperature to avoid freezing.

MANUFACTURED BY DOF Ltd

SILICA PK

DERIVED FROM_Mono potassium phosphate, Di potassium diphosphate, Pyro potassium phosphate, Poly potassium phosphate, Potassium silicate, Boric acid, Sodium molybdate
OTHER INGREDIENTS_Seaweed extracted 1%

PRODUCT INFORMATION

SILICA PK is a liquid product with silicon as its main ingredient and contains high concentrations of phosphorus and potassium to increase the effectiveness of silicon in crops. Silicon helps phosphorus absorption, and phosphorus enhances the role of silicon through a synergistic effect that helps silicon move. Potassium regulates moisture transpiration in summer and reduces stress caused by high temperatures. The combination of silicon, phosphorus, and potassium will improve root development, increase disease resistance, prevent overgrowth, and prevent leaf drooping.

ANALYSIS

Water-soluble phosphorus (P2O5) 5%
Water-soluble Potassium (K2O) 15%
Water-soluble Silica (SiO2) 16%
Water-soluble Boron (B2O3) 0.05%
Water-soluble Molybdenum (Mo) 0.0005%

PHYSICAL DATA

Appearance ..... Orange color liquid
Solubility ..... Approx 100%
pH (Water dilution 100 times) ..... 11~12
Density ..... 1.3~1.4

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	During the flower differentiation period, when the leaves are weak and when diseases occur frequently in summer	1L/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	When the roots are weak, when the leaves are weak and drooping	0.5L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	When the bulb is enlarged and the above-ground growth is poor	0.5L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	When the leaves are weak, when the roots are weak, when diseases are severe in summer	0.5L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	When the stem is weak and the leaves are drooping or at risk of falling over	0.5L/500L/1acre, 1~2 times every 7~10 days
Etc	Root development, prevention of overgrowth, strengthening of disease resistance	1L/1000L/1acre, 2~3 times every 7~10 days

* DRIP IRRIGATION 10L/1Ha

PACKING UNIT
500ml, 1L, 1000L

COMPATIBILITY
Generally, it can be mixed with pesticides, but do not mix with products containing calcium.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it


Untreated


Treated

MANUFACTURED BY DOF Ltd

JJB GOLD

DERIVED FROM_Sophora extract, Pulsatilla Koreana extract
OTHER INGREDIENTS_Oils extracted from herbs, Ethanol, Surfactants

PRODUCT INFORMATION

JJB GOLD is an eco-friendly organic agricultural material for pest control made mainly of natural plant extracts. It has very low toxicity to humans, animals, and fish, so it can be used in situations or environments where it is difficult to use chemical pesticides when growing crops. It can be used safely, especially on crops that are about to be harvested. The medicinal effect of this product appears when it comes into direct contact with pests or when they are eaten. It also has the advantage of being effective quickly and rarely developing resistance.

ANALYSIS

Matrine	0.3%
Crude saponin	0.2%

PHYSICAL DATA

Appearance	Brown color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	6~7
Density	1.0~1.1

DOSE AND INSTRUCTION FOR USE

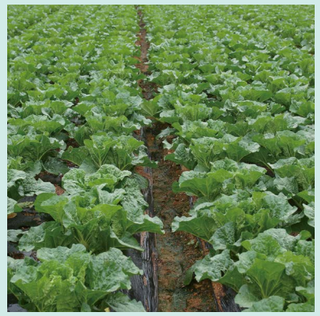
CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Early stage of mite emergence,	1L/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Early stage of Mite, Thrips emergence	0.5L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	No pests	–
Leafy vegetables such as cabbage and lettuce	Early stage of moth outbreak	0.5L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	Early stage of moth outbreak	0.5L/500L/1acre, 1~2 times every 7~10 days
Etc	Early stage of Mite, Thrips, moth outbreak	1L/1000L/1acre, 2~3 times every 7~10 days

*When spraying with drones: 10 to 40 times

PACKING UNIT
500ml, 2L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.



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SSR-I

DERIVED FROM_Eucalyptus extract
OTHER INGREDIENTS_Organic acids, Ethanol, Surfactants

PRODUCT INFORMATION

SSR-I is an eco-friendly agricultural pest control material made by mixing natural plant extracts and organic acids. It has very low toxicity to humans, animals, and fish, so it can be used in situations or environments where it is difficult to use chemical pesticides when growing crops. It can be used safely, especially on crops that are about to be harvested. The efficacy of this product appears when it comes into direct contact with pests or is eaten by pests. It also has the advantage of being effective quickly and rarely developing resistance.

ANALYSIS

1,8-Cineole	9.5%

PHYSICAL DATA

Appearance	Light Brown color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	6~7
Density	1.0~1.1

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Aphid outbreak early stage	1L/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers		0.5L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes		0.5L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce		0.5L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn		0.5L/500L/1acre, 1~2 times every 7~10 days
Etc		1L/1000L/1acre, 2~3 times every 7~10 days

*When spraying with drones: 10 to 40 times

PACKING UNIT
500ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

1:1000, two applications, seven days after application

Untreated

MANUFACTURED BY DOF Ltd

KILL KING

DERIVED FROM_Pulsatilla Koreana extract

OTHER INGREDIENTS_Neem extract, Sophora extract, Bacillus subtilis, Zeolite

PRODUCT INFORMATION

KILL KING is an eco-friendly agricultural material for soil pest control made by mixing natural plant extracts and microorganisms. It has very low toxicity to humans, animals, and fish, so it can be used in situations or environments where it is difficult to use chemical pesticides when growing crops. This product is used to control pests living in the soil and can be sprayed on the soil before planting or during cultivation.

ANALYSIS

Crude saponin 0.5%

PHYSICAL DATA

Appearance ..... Brown color Particle
Solubility ..... None
pH (Water dilution 100 times) ..... 7~8
Density ..... 1.0~1.1

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	No application,	
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Mix after spraying soil before transplanting crops	45KG/1Ha
Bulbs such as garlic, onions, and potatoes	Mix after spraying soil before transplanting crops	45KG/1Ha
Leafy vegetables such as cabbage and lettuce	Mix after spraying soil before transplanting crops	45KG/1Ha
Grain crops such as rice, wheat, and corn	No application	
Etc	Soil pest control	45KG/1Ha

PACKING UNIT
3kg, 1000kg

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

MANUFACTURED BY DOF Ltd

MOLD OUT

DERIVED FROM_Coptis Japonica Extract, Rhubarb Extract

OTHER INGREDIENTS_Camellia extract, Dispersant, Surfactant

PRODUCT INFORMATION

MOLD OUT is an eco-friendly organic agricultural material for disease control made from natural plant extracts as the main ingredient. It has very low toxicity to humans, animals, and fish, so it can be used in situations or environments where it is difficult to use chemical pesticides when growing crops. It can be used safely, especially on crops that are about to be harvested. This product has both preventive and therapeutic effects against pathogens by inhibiting spore germination and formation and inhibiting mycelial growth. It also does not induce resistance even when used continuously, so the risk of resistant bacteria emerging is very low. In addition, it has a sterilizing and antibacterial effect on a variety of pathogens, including bacterial and fungal, without being limited to specific germs.

ANALYSIS

Berberin 0.1%
Emodin 0.3%

PHYSICAL DATA

Appearance ..... White color liquid
Solubility ..... Approx 50%
pH (Water dilution 100 times) ..... 5~6
Density ..... 1.1~1.2

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Early outbreaks of anthrax, gray mold, etc.	1L/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Early outbreaks of anthrax, gray mold, etc.	0.5L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Early stages of outbreaks of anthrax, gray mold, and sclerotia	0.5L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	Not applicable	0.5L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	Early stages of disease outbreaks such as blast and leaf blight	0.5L/500L/1acre, 1~2 times every 7~10 days
Etc	Early stage of fungal and bacterial disease outbreak	1L/1000L/1acre, 2~3 times every 7~10 days

*When spraying with drones: 10 to 40 times

PACKING UNIT
500ml, 2L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

Treatment 1000 times twice after the occurrence of pepper anthrax.

No treatment after red pepper anthrax

MANUFACTURED BY DOF Ltd

SSR-ALL

DERIVED FROM_Copper sulfate, Zinc hydroxide

OTHER INGREDIENTS_Organic acid, EDTA-2Na, Dispersant, Surfactant

PRODUCT INFORMATION

SSR-ALL is a product made by mixing mineral substances with antibacterial and sterilizing properties such as copper and zinc with organic acids and chelating agents to exhibit strong antibacterial and sterilizing properties. It has very low toxicity to humans, animals, and fish, so it can be used in situations or environments where it is difficult to use chemical pesticides when growing crops. It can be used safely, especially on crops that are about to be harvested. This product has both preventive and therapeutic effects against pathogens by inhibiting spore germination and formation and inhibiting mycelial growth. It also does not induce resistance even when used continuously, so the risk of resistant bacteria emerging is very low. In addition, it has a sterilizing and antibacterial effect on a variety of pathogens, including bacterial and fungal, without being limited to specific germs.

ANALYSIS

Water-soluble Cupper (Cu)	0.5%
Water-soluble Zinc (Zn)	1.0%

PHYSICAL DATA

Appearance	Green color liquid
Solubility	Approx 50%
pH (Water dilution 100 times)	5~6
Density	1.0~1.1

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Early stage of powdery mildew and gray mold	1L/1000L/1acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Early stage of occurrence of powdery mildew, root rot, wilt diseases	0.5L/500L/1acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	Early stage of occurrence root rot, wilt diseases	0.5L/500L/1acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	Not applicable	0.5L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	In the early stages of leaf blast, leaf blight, etc.	0.5L/500L/1acre, 1~2 times every 7~10 days
Etc	Early stage of fungal and bacterial disease outbreak	1L/1000L/1acre, 2~3 times every 7~10 days

*DRIP IRRIGATION : 15L/1Ha

PACKING UNIT
500ml, 1000L

COMPATIBILITY
It can generally be mixed with pesticides and various fertilizers.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.

MANUFACTURED BY DOF Ltd

PHOSPO

DERIVED FROM_Phosphorous acid, Potassium hydroxide, Zinc sulfate, Manganese sulfate, Copper sulfate, Boric acid, Sodium molybdate

OTHER INGREDIENTS_Salicylic acid

PRODUCT INFORMATION

PHOSPO is a liquid product that is based on phosphite, which is effective in preventing and treating crop diseases, and is mixed with trace elements and salicylic acid. PHOSPO is freely moved between the above-ground and underground parts of crops, and improves the plant immune system, reducing the incidence of diseases. It also promotes root development and helps prevent overgrowth caused by excessive nitrogen.

ANALYSIS

Water-soluble phosphorus (P2O5)	14.0%
Water-soluble Potassium (K2O)	16.0%
Water-soluble Zinc (Zn)	0.02%
Water-soluble Boron (B2O3)	0.05%
Water-soluble Manganese (MnO)	0.01%
Water-soluble Copper (Cu)	0.01%
Water-soluble Molybdenum (Mo)	0.0003%

PHYSICAL DATA

Appearance	Clean blue color liquid
Solubility	Approx 100%
pH (Water dilution 100 times)	6~7
Specific Gravity	1.25~1.35

DOSE AND INSTRUCTION FOR USE

CROPS	APPLICATION TIME	FOLIAR DOSE (Standard)
Fruits such as apples, oranges, grapes, and cherries	Fruit growing season ~ harvest season	1L/500L/0.5acre, 2~3 times every 7~10 days
Fruits Vegetables such as tomatoes, cucumbers, strawberries, and peppers	Nursery period ~ harvest season	1L/500L/0.5acre, 2~3 times every 7~10 days
Bulbs such as garlic, onions, and potatoes	During the entire growing season	1L/500L/0.5acre, 2~3 times every 7~10 days
Leafy vegetables such as cabbage and lettuce	During the entire growing season	1L/500L/1acre, 2~3 times every 7~10 days
Grain crops such as rice, wheat, and corn	During the entire growing season	1L/500L/1acre, 1~2 times every 7~10 days
Etc	When the risk of disease outbreak is high and prevention is necessary	1L/500L/0.5acre, 2~3 times every 7~10 days

*DRIP IRRIGATION : 15L/1Ha

PACKING UNIT
500ml, 1L, 4L, 10L, 1000L

COMPATIBILITY
It can generally be mixed with pesticides, but if mixed with fertilizers containing calcium, insoluble crystals may form.

CAUTION ⚠
Be careful not to get it on your skin or in your eyes and never drink it.


Treated


Untreated

MANUFACTURED BY DOF Ltd

All our dreams toward happy agriculture becomes reality

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YouTube

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