

# Unlocking the True Potential of crops with our New Generation Products

**CATALOGUE**  
2022



## About Sea6 Energy



Sea6 Research facilities, Bangalore, India

Sea6 Energy, a biotech company, was founded by the alumni of the prestigious Indian Institute of Technology (IIT), Madras in 2010. It is based in the Centre for Cellular and Molecular Platforms within the University of Agricultural Sciences, Bangalore. Over years Sea6 has build R&D expertise and has demonstrated capability of sustainably harnessing the potential of the oceans to create novel technologies & products in the fields of Food, Feed and Fuel.



**Biotechnological Expertise**  
Novel products in the food, feed and fuel segments



**Seaplant Cultivation**  
Raw material cultivation in Indonesia and India for continuous supply



**SeaCombine**  
Proprietary Technology to automize and scaleup seaplant cultivation



**Patented Molecules**  
Technologically advanced products with global patents



**Consistent Quality**  
Quality check at every step to ensure assured product performance



**Organic Certifications**  
Manufacturing processes are certified by IMO

## Awards

- ✓ **EMERGING COMPANY OF THE YEAR - AGRICULTURE**  
Awarded in 2017 by the Government of Karnataka
- ✓ **INNOVATIVE COMPANY OF THE YEAR - BUSINESS SUCCESS**  
Awarded in 2017 by Department of Science & Technology
- ✓ **HIGHLY COMMENDED - BEST NEW BIOLOGICAL PRODUCT**  
Agrow Awards 2017 & 2018
- ✓ **TOP UPCOMING LIFE - SCIENCE STARTUPS IN INDIA**  
Economic Times, 2014



# Uniqueness of our Seaplant and Proprietary Cultivation Technologies

All our products are made from natural extracts of tropical red seaplants. We have developed technology to farm the ocean and cultivate seaplants - our unique raw material. A team of marine agronomists provide technical advisory and novel equipment to the farming team cultivating seaplants in India and Indonesia.



SeaCombine, Indonesia

These red seaplants offers many unique advantages to our products.



## Rich in Bio-actives

As we can grow tropical red seaplants throughout the year, we can process them fresh and thus preserve the bio actives. This helps our products to deliver best results without any fortification.

## 100% Seaplant extracts

Our products use the whole plant and contain no harsh synthetic chemicals. Hence no phytotoxic effects are caused by the use of the products.

## Gene Upregulation

Sea6 products upregulate gene expression in the plants unlocking its natural potential and enabling it to use resources effectively.

# AgroGain®

## PLANT BIOSIMULANT

AgroGain®, our patented bio stimulant product, is first of its kind in the world. It is powered with TARMA® & SPURT®, a unique cutting-edge technology, which provides growers with a reliable solution to improve crop quality and productivity.



TARMA® technology upregulates pathway in plants to produce growth essential molecule endogenously.



SPURT® ensures that the growth essential molecules reach the relevant parts of the plant by activating specific pathway to stimulate growth.

In addition to its effect on yield, AgroGain helps improve the plant's response to abiotic stresses caused by drought and use of agrochemicals. In this way, AgroGain aids in coping with physiological stress, enabling plant to function more efficiently and produce greater yields.



**Patented formulation**  
in US, Europe, South Africa  
and Japan



**Mechanism of Action**  
through enhanced gene  
expression



**Certified Organic**  
by IMO Control as per NPOP,  
COR and EU equivalent standards



**Best New Biological Product**  
finalist at the Agrow Awards,  
2017 & 2018



### Benefits of Usage:



Increased  
nutrient uptake



Better color and  
shape of the fruits



Facilitates  
uniform berry size /  
grain formation



Improved fruit  
setting & reduces  
fruit drop



Improves shelf life  
(keeping quality)

### Dosage

: Spray - 1ml per litre of water / 200ml per acre  
Drip / Drench - 400ml per acre

### Application

: 2-3 times per season during the  
vegetative & reproductive growth  
stages

### Crops

: All types of crops



FRUIT &  
VEGETABLES



CHILLI



PULSES &  
GRAMS



SPICES &  
PLANTATION



PADDY



SUGARCANE

### SKU Size

: 100ml, 200ml, 500ml, 1litre

AgroGain is tested on different crop systems by scientists from various research centres (ICAR Institutes and Agriculture Universities) across India.



Agri-Experts across the world have also tested AgroGain for its efficacy.



**22+**  
Countries



**40+**  
Institutional  
Trials



**100+**  
R&D Trials



**20**  
Crop  
Types



**17**  
Certifying  
Institutes



# AgroGain GR

## Natural Granules

AgroGain GR is the granule formulation of the award winning biostimulant, AgroGain. It is designed for optimized release of active ingredient along with high bioavailability at critical crop growth stages. This uniform sized granule is specially designed for homogenous mixing and dispersal during broadcasting.

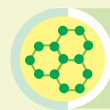
AgroGain GR is an unique and ideal granule formulation for the Integrated Nutrient Management Program. It has following key features:



Increases Root Proliferation



Increases fertilizer & Nutrient uptake



Improves Metabolic Activity



Contributes to soil conditioning

### Benefits of Usage:



Increases shoot height and internodal length



Early flowering & better flower to fruit setting ratio



Increases Productive Tillers



Improved Crop Canopy

**Dosage** : 4 kg per acre

### Application :

CROPS	APPLICATION	CROP STAGE
FIELD CROPS	1-2 applications per season	During vegetative growth and early flowering phases
PERENNIAL CROPS	2-4 applications annually	
FRUITS & VEGETABLES	2-4 applications	

### Crops

: All types of crops



PADDY



SUGARCANE



FRUIT & VEGETABLES



POTATO



SPICES & PLANTATION

### SKU Size

: 1kg, 4kg



# AG Fort®

## IMMUNITY BOOSTER

AG Fort® is a sustainable and an eco-friendly product that boosts plant immunity and resistance to the viral attacks. It is powered by SUPR (Specific Upregulation of Pathogen Resistance) Pathways technology to unlock the plant's defence mechanism and improve overall health of the plants.

AG Fort works in a prophylactic approach to unlock the pathogen resistance pathways to develop immunity against diseases. It should be applied before the disease occurs.

**AG Fort is also included in the package of practice for management of PRSV (Papaya Ring Spot Virus) by GVKV, Bangalore.**



Reduces leaf curling, chlorosis and mottling



Reduces Ring spots & undulation on fruits



Essential Regulator of Plant defense.



Promotes Photosynthesis & Reduces Yellow Mosaic spots on leaves



### Benefits of Usage:



Improves plant's vigour and reduces stunting



Delays disease onset and seeds shrivelling



Improves fruit colour and yield



Improved Crop Canopy

**Dosage** : 1.5 ml per liter of water / 300ml per acre

**Application** : First Spray at 10-15 Days after planting followed by two sprays at 15 days interval

**Crops** : All types of crops



CUCURBITS



MELONS



GOURDS



TOMATO



CHILLI



PAPAYA

**SKU Size** : 150ml, 500ml, 1litre



# SILON

Plant Biostimulant

## A REVOLUTIONARY BIOSTIMULANT

AG Silon helps the plant in increasing yield by enhancing development in vegetative and reproductive growth. An organic product from tropical red seaplants that is a dependable solution to help farmers in achieving best quality, higher yields and better results.

It contains proprietary molecules to provide crop nourishment at critical growth stages. The application of AG Silon will also help plant to be draught resistant and counter nutrient deficiency by enhancing nutrient uptake.

### Benefits of Usage:



Improved yield  
and quality of crop



Effective during stress periods  
like drought and fungicide application



Natural way to enhance  
overall crop health and growth



No synthetic or artificial  
chemicals/hormones added



**Dosage** : 400ml per acre or 2ml per Litre

**Application** : Foliar sprays or through drip irrigation in vegetative and reproductive growth stages

**SKU Size** : 250ml, 500ml, 1Litre





# AG Drench

## Cardamom Bio Enhancer

### THE FIRST EVER DRENCH PRODUCT SPECIALLY DESIGNED TO ENHANCE CARDAMOM PRODUCTION

AG Drench is prepared from natural extract of tropical red seaplants. It is rich in a unique natural chelating agent which contributes to soil conditioning. Application of the product will induce specific response in the plants resulting in root proliferation and improved nutrient uptake. It also increases the number of tillers and enhances the panicle initiation.

These actions will lead to:

- Improved root mass
- Enhanced panicle elongation
- Higher capsule weight
- Healthier tillers and leaves
- Increased flowering & fruit setting
- Unlocked potential for better yield



#### Benefits of Usage:



Better  
Nutrient Uptake



Increases  
number of Tillers



Abiotic  
Stress Tolerance



Enhanced  
Panicle Initiation

**Dosage** : 2ml per litre of water.  
Apply 5L to 8L AG Drench-water  
solution per clump.

**Application** : 5 to 6 soil application in a year.  
Apply periodically at an interval of  
3 to 4 weeks.

**SKU Size** : 5 Litre



# AG Drip

## Yield Enhancer

## A NATURAL AND EFFECTIVE WAY TO PROTECT SOIL AND ENHANCE YIELD.

AG Drip is specially formulated to cater to the needs of biostimulant application through drip irrigation. It is pure extract of tropical red seaplants and does not contain any chemicals. AG Drip is rich in a unique natural chelating agent which contributes to soil conditioning. It also contains potassium, Sulphur, Magnesium, Boron and Organic Carbon in bioavailable form.

### Benefits of Usage:

Application of the product will induce specific response in the plants resulting in root proliferation and improved nutrient uptake.



Better  
fertilizer uptake



Increases number  
of branches



Enhances flowering  
and fruit setting



Aids soil  
conditioning



Better  
root formation



Higher yield  
per plant



**Dosage** : 800 ml to 1ℓ per acre

**Application** : 3 to 4 applications.  
Applications during  
active crop stage.

**SKU Size** : 1 Litre, 5 Litre

# Proprietary Processes of Sea6



## Sea6 Process Certifications

Sea6 products are completely natural and approved organic as per the compliance of organic standards of NPOP(India), COR / NOP(US), JAS(Japan) and EU(Europe) by the globally recognised Organic Certification Agencies.



**Product Compatibility:** Our products are water soluble and are compatible with most agrochemicals. However it is advised to test its compatibility in the solution.





www.sea6energy.com

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