biogen

Biogen Organic (Private) Limited

ENRICHING THE LAND

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INTRODUCTION

Biogen in collaboration with Sassrika Lanka

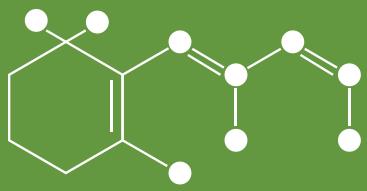
Organic farming offers a systemic approach for reducing greenhouse gas emissions (GHG) and increasing soil carbon sequestration while sustaining healthy soils and protecting biodiversity.

we have proven results to get more yield rates than conventional farming methods under same conditions for farming. We have proven results to totally replace chemically dissolved ‘P’ and ‘K’ fertilisers (TSP and SSP) by biogenic ‘P’ inputs. The plant roots, soil and soil life are already in a self beneficial partnership. Through out past 20 years we have delivered benefits of organic agriculture for environmental and for society.

BIOGENIC AGRICULTURE

THE TECHNOLOGY

Our goal is simple, to provide green solutions with guaranteed results. Green solutions end destructive conventional methods which harm our health and the environment while providing alternatives for a sustainable future. Biogenic technology offers natural solutions in agriculture, livestock, environmental management, water treatment, health and other sectors.



Biogenic technology is the harnessing of nature's power in micro-organisms to work at the fundamental level of all organic life.

1

Produced by living organisms or Biogenic processes.

2

Healthy maintenance of life processes.

We naturally extract, concentrate, and apply proprietary formulas of micro-organisms and other organic compounds for significant benefits in many industries. We support replacement of all inorganic substances with organic biogenic inputs that have NO adverse effects. We are happy to inform that our micro-organisms have established histories in soils for bio security and maximum effectiveness in local applications.

CURRENT STATUS

Serve over 16,000 farmers

4 production facilities

Two laboratories

Sri Lankan Government provides the product to the farmers under the government subsidy programme

ACCREDITATIONS

SASRIKA LANKA ACCREDITATIONS

CONTROL UNION CERTIFIED
INPUT: Organic EU

European Union Organic Input Certified

PATENTED technology

Product Developed under
Patented Technology

BUREAU VERITAS 1828
BUREAU VERITAS

Tested by Bureau Veritas

Sri Lanka
National Organic Control Unit

Registered

Registered Under
Export Development Board of Sri Lanka

CERTIFIED ISO 9001:2015 COMPANY

ISO Certified

SLIC
Sri Lanka Inventors Commission

Recognised as a best invention

CISIR
Industrial Technology Institute
Driving The Nation Through Technology

Tested by Industrial Technology Institute
of Sri Lanka

EO GSEA
GLOBAL STUDENT ENTREPRENEUR AWARDS
An Entrepreneurs' Organization Global Competition

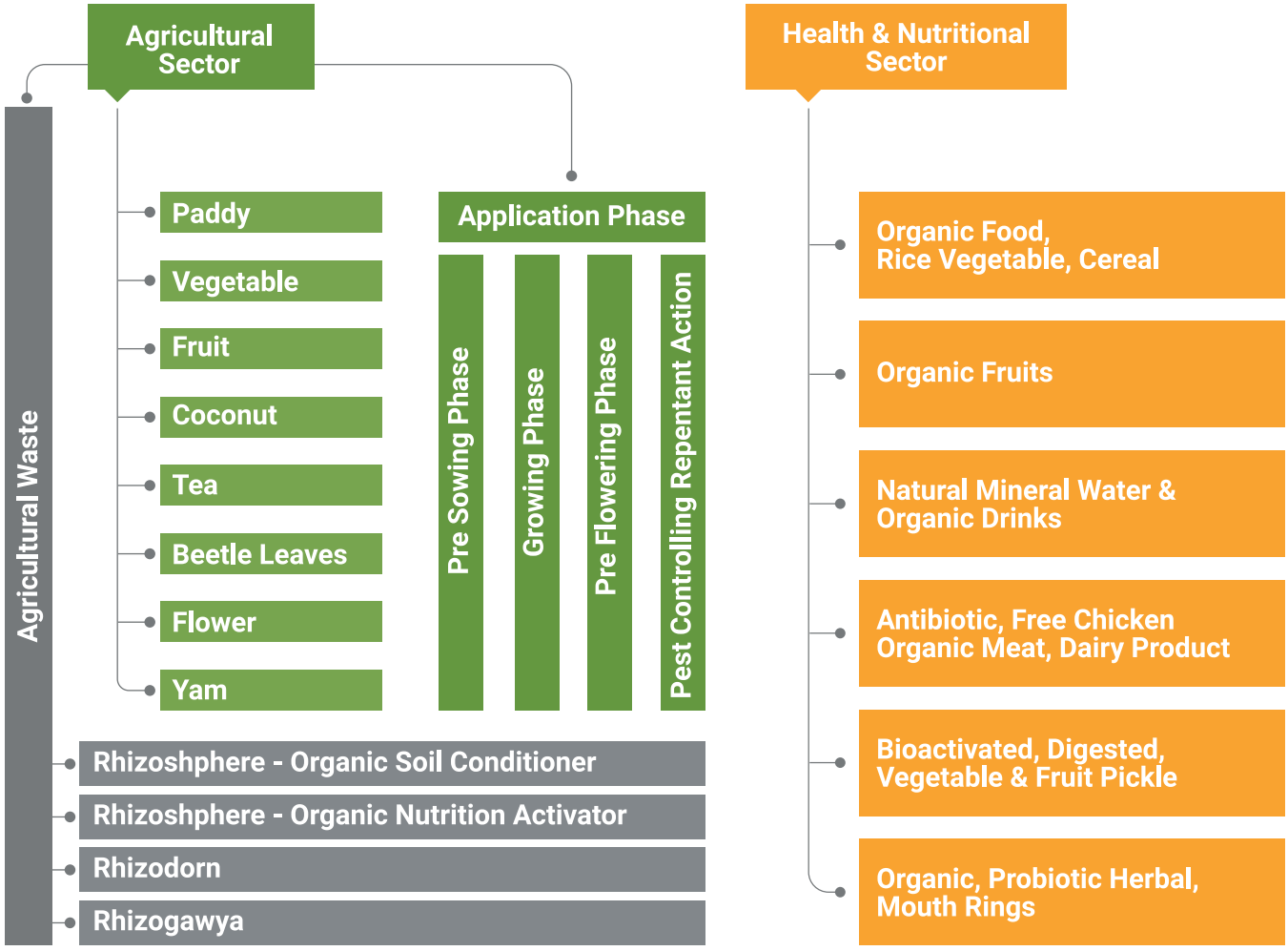
Recognised by
Student Entrepreneur Awards

DEPARTMENT OF BIOLOGICAL SCIENCES

Developed in collaboration with
Rajarata University of Sri Lanka

CONCEPT

MODE OF APPLICATION OF BIOGENIC GREEN TECHNOLOGY IN SUSTAINABLE GREEN DEVELOPMENT OF HUMAN LIFE CYCLE



PRODUCT SCIENCE

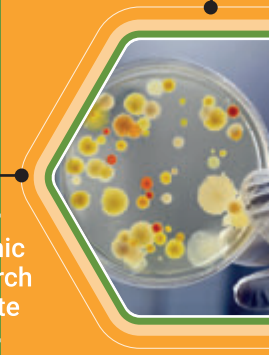
Biogenic Agriculture

Circulate natural organic mircobes activation with soil treatment for agriculture

Biogenic organic Poultry manure pellets

Biogenic animal Husbandry

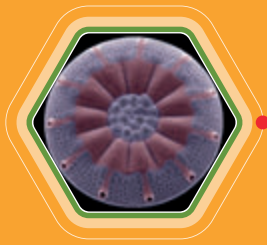
Biogenic Research Institute

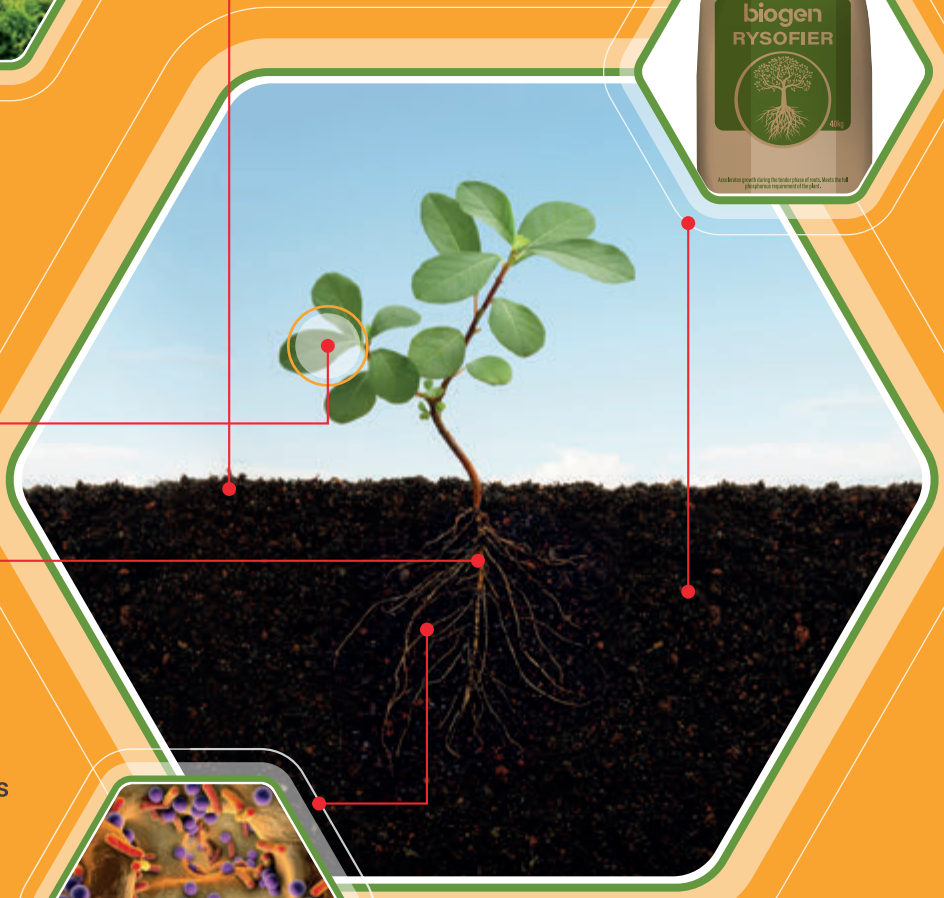


Non-chemical natural water

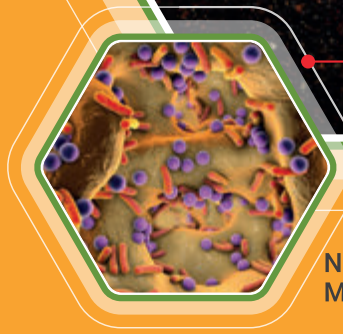
Biogenic natural Rysofier solid soil treatment with essential nutrients

Natural dark & light reaction with photosynthetic organisms





Biogenic natural Rysofier Microbial Bio Fertiliser soil treatment with essential nutrients



Natural Rhizosophere Microbial Activation

PRODUCTS

Rysosaara – SKU 20kg

Essential for strengthening roots. Accelerates growth during the tender phase of roots. Meets the full phosphorous requirement of the plant. with a guaranteed P_2O_5 27% - 30%

Rysofier – SKU 40kg

Provides essential micro-nutrients for the soil during the growth and flowering stage of the plant.

Seed Treatment - 200ml

Safeguarding the newly planted seed, strengthens the plant during the early growth phase. While strengthening plant immunity, this minimises the use of pesticides.

Golden Treatment - 200ml

A growth stimulus that provides essential nutrients during the growth and flowering phase of the plant.

Rhison White - 4ltr

Speeds up nutrient and bacteria activity, required for plant growth, during the soil preparation stage.

Rhison Green - 4ltr

Speeds up nutrient and bacteria activity during the plant growth stage.

Rhison Yellow - 4ltr

Speeds up nutrient and bacteria activity during the root growth stage.

Rhisoden J - 4ltr

The complete solution to repel insects that can damage the trunk, leaves or the fruit of plants.

PRODUCT INGREDIENTS

RHIZOSAARA

- Rock phosphate
- Carbon charcoal
- Dhal powder
- Special Ingredient for Natural solubilising micro-organism

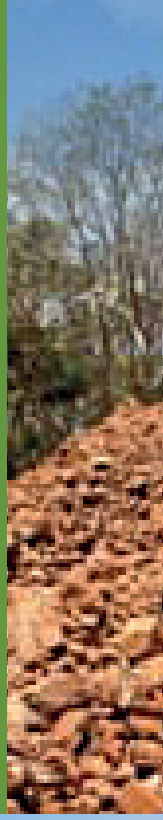
RHIZONE

- Special microbial inoculant
- Chemical material free
- Vegetable materials
- Plant materials

RHIZOPHERE

- Antibiotic free chicken manure
- Antibiotics free dairy manure
- Carbon Charcoal
- Special Green materials (giniseria/sunflower)

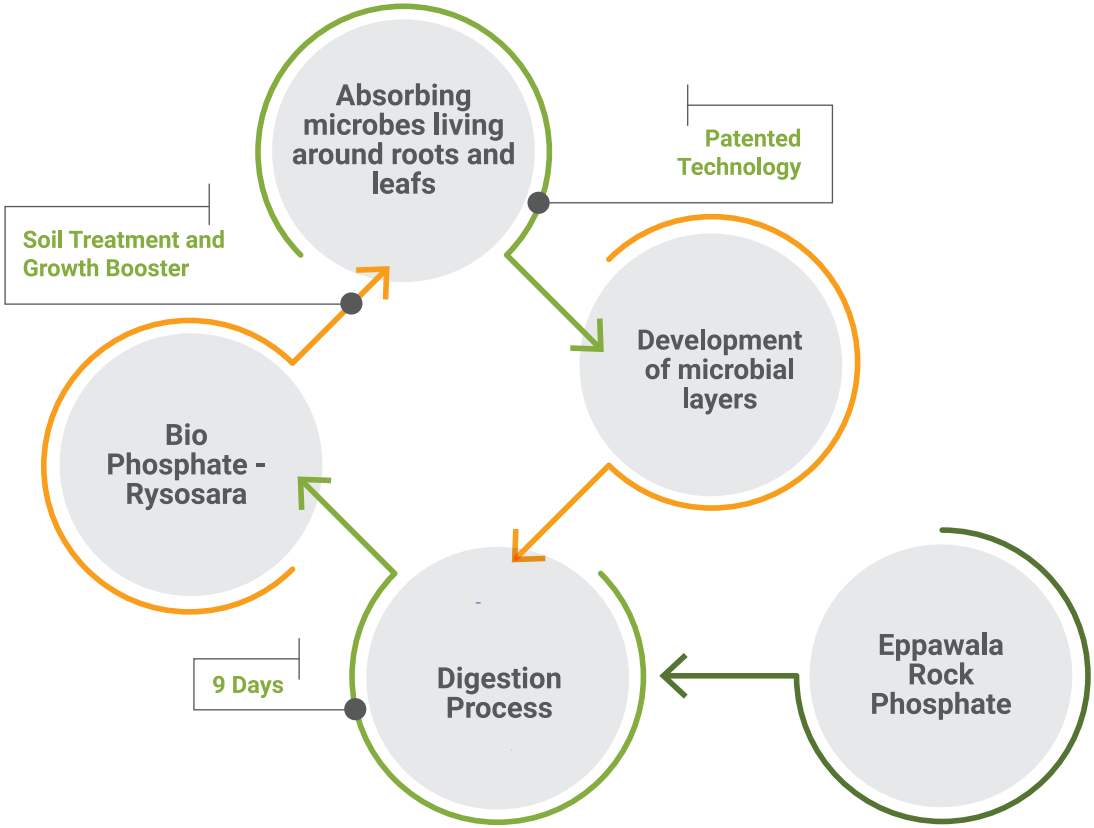
WORLD'S PUREST EPPAWALA ROCK PHOSPHATE INTO A (TSP) EQUIVALENT ORGANIC PRODUCT



The phosphate rocks are available in several countries, they aren't soluble enough for plant uptake after direct applications. The Special Eppawala Rock Phosphate with Biogenic Microbial actions effectively increase phosphorus availability of phosphate rocks to crops.

The Rysosara Product which is developed under a **patented technology** brings to the world the best organic solution for phosphorus need for crops. This unique product is considered as a substitute for **Triple Supper Phosphate (TSP) with P_2O_5 27-30%.**

PATENT FOR RYSOSAARA



RYSOSARA VS TSP

Description	TSP	SSP	Rhysosara
Phosphorus Pentoxide Percentage (P2O5)	40%	17-22%	27-30%
Nitrogen (N)	✗	✗	✓
Potassium (K)	✗	✗	✓
Usage with Natural Fertiliser Inputs	Unsuccessful	Unsuccessful	Successful
Usage with Chemical Fertiliser Inputs	Successful	Successful	Successful

Name of Crop	Input Per Acre			
	Rysofier (40kg)	Rysosaara (20kg)	Ryson White (W) 4L	Ryson Green (G) 4L
Paddy	6	1	1	1
Corn / Maize	6	2	1	3
Green Gram / Peanuts / Sesame / Soya Beans / Other beans	6	2	1	1
Potato	6	3	1	3
Onions	8	2	1	3
Chili	8	4	1	3
Turmeric / Ginger	6	2	1	3
Garlic	5	2	1	3
Green Beans / Tomato / Capsicum / Pumpkin / Brinjal / Bitter Gourd / Ridge Gourd / Ladies Fingers / Okra / Cucumber	8	4	1	3
Carrot / Cabbage / Radish / Beetroot / Leeks / High grown Vegetables	6	1	1	3
Tea	7	6		13

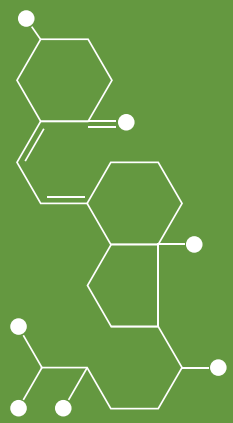
Name of Crop	Input Per Plant / Tree			
	Rysofier (40kg)	Rysosaara (20kg)	Ryson White (W) 4L	Ryson Green (G) 4L
Papaya	900g	150g	10ml	20ml
Banana	1.4kg	200g	10ml	20ml
Cocount	3kg	400g	N/A	N/A

Name of Crop	Input Per Acre		
	Ryson Yellow (Y) 4L	Rysodan J 4L	Golden Treatment 1L
Paddy	1	1	
Corn / Maize	2	2	
Green Gram / Peanuts / Sesame / Soya Beans / Other beans	1	1	
Potato	2		
Onions	2		
Chili	2	1	1
Turmeric / Ginger	1		
Garlic	2		1
Green Beans / Tomato / Capsicum / Pumpkin / Brinjal / Bitter Gourd / Ridge Gourd / Ladies Fingers / Okra / Cucumber	2	1	
Carrot / Cabbage / Radish / Beetroot / Leeks / High grown Vegetables	2		1
Tea			

Name of Crop	Input Per Plant / Tree		
	Ryson Yellow (Y) 4L	Rysodan J 4L	Golden Treatment 1L
Papaya	20ml	N/A	10ml
Banana	20ml	N/A	5ml
Cocount	200ml	N/A	N/A

FROM DESERTS TO FARMLANDS

Biogenic soil creation is the novel method of transforming sand into a rich and alive soil medium is a initiative through research over a decade behind it. The Biogenic technology has been already applied in other fields (agriculture and animal husbandry). Hence the fundamentals are tried and tested for years.



Develops soil medium in just 3 months. If you want to start a farm in the dessert that's all it takes to make it ready.

Cheaper way of creating soil in the long-term. Its an optimised method for converting large areas of dessert through maximising the use of this passive distribution done by the microbes.

Self sustainable method as minimal further care is needed once you convert the soil it can sustain itself. This also creates an enhanced biome in the soil that can support its own greenery.

Ideal for organic farming & harvest even greater harvest than a naturally occurring soil as Biogenic soil and organic farming has a harmonious relationship.

Possibility of an establishing a separate soil conversion facility and supply organic soil for the demand.

Consumes significantly lesser amount of water.

NOTES

NOTES

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