



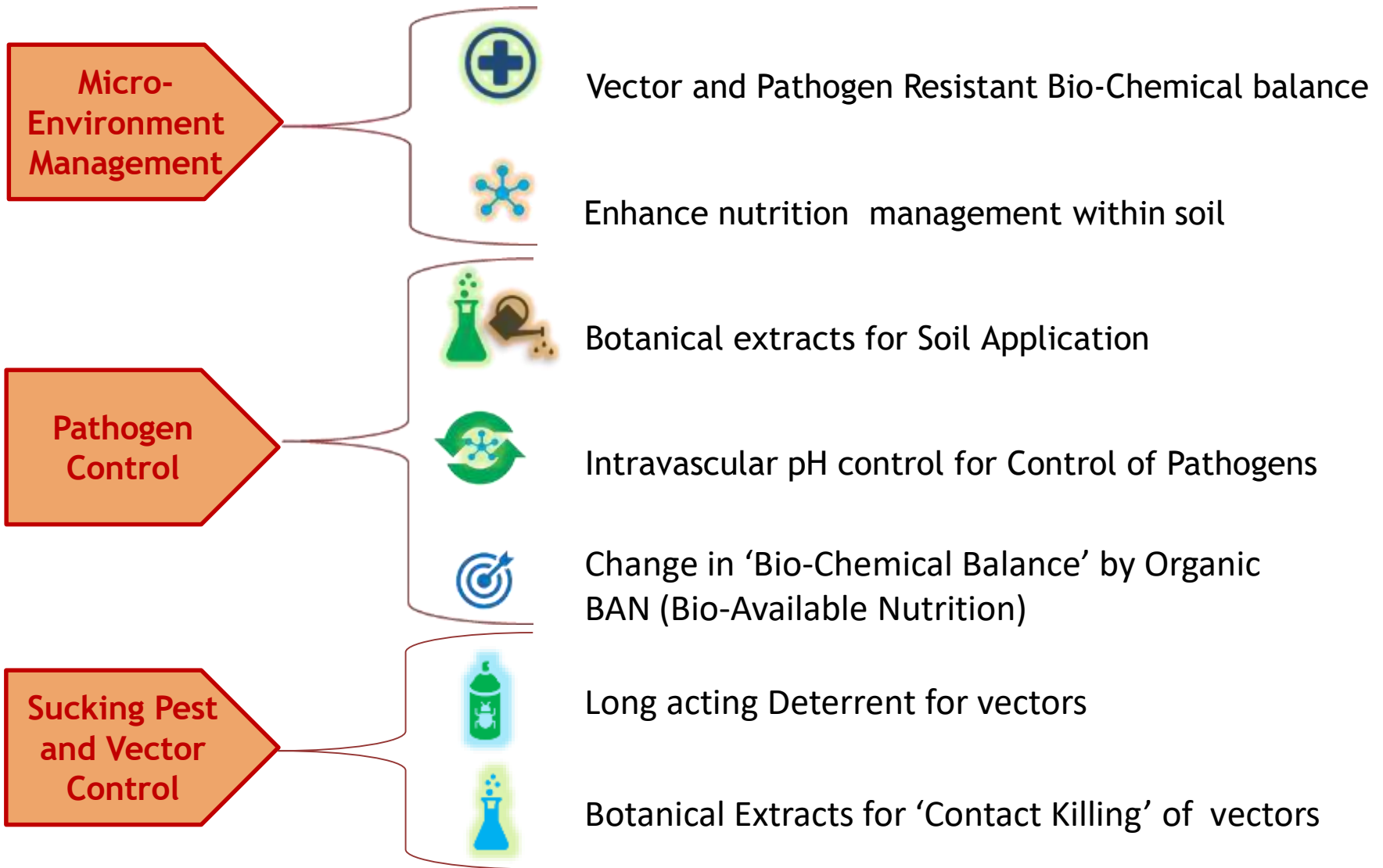
www.gurukrupainternational.com | info@gurukrupainternational.com

GI Concept and Product Profile

Nature Power Balance



GI APPROACH



Nature Power Balance



Nature Power Balance Technology



- Nature has a beautiful setup to keep all its component in control.
- Growth and development of one component controls other.
- This balance makes nature as most sustainable.
- The products of GI are based on NPB technology, where the missing or under existing component is recharged.



How NPB Technology Works



NATURE POWER BALANCE

NPB Deals with Integrated Health Management which brings induced attack management system

Triggers the natural process of nutrient absorption, encourages soil fauna, improves response of plant nutrients within plants

A balanced nutrition and metabolic activity stimulation makes plant self sustainable.



Nature Power Balance



A Glimpse of GI's Definitive Forté

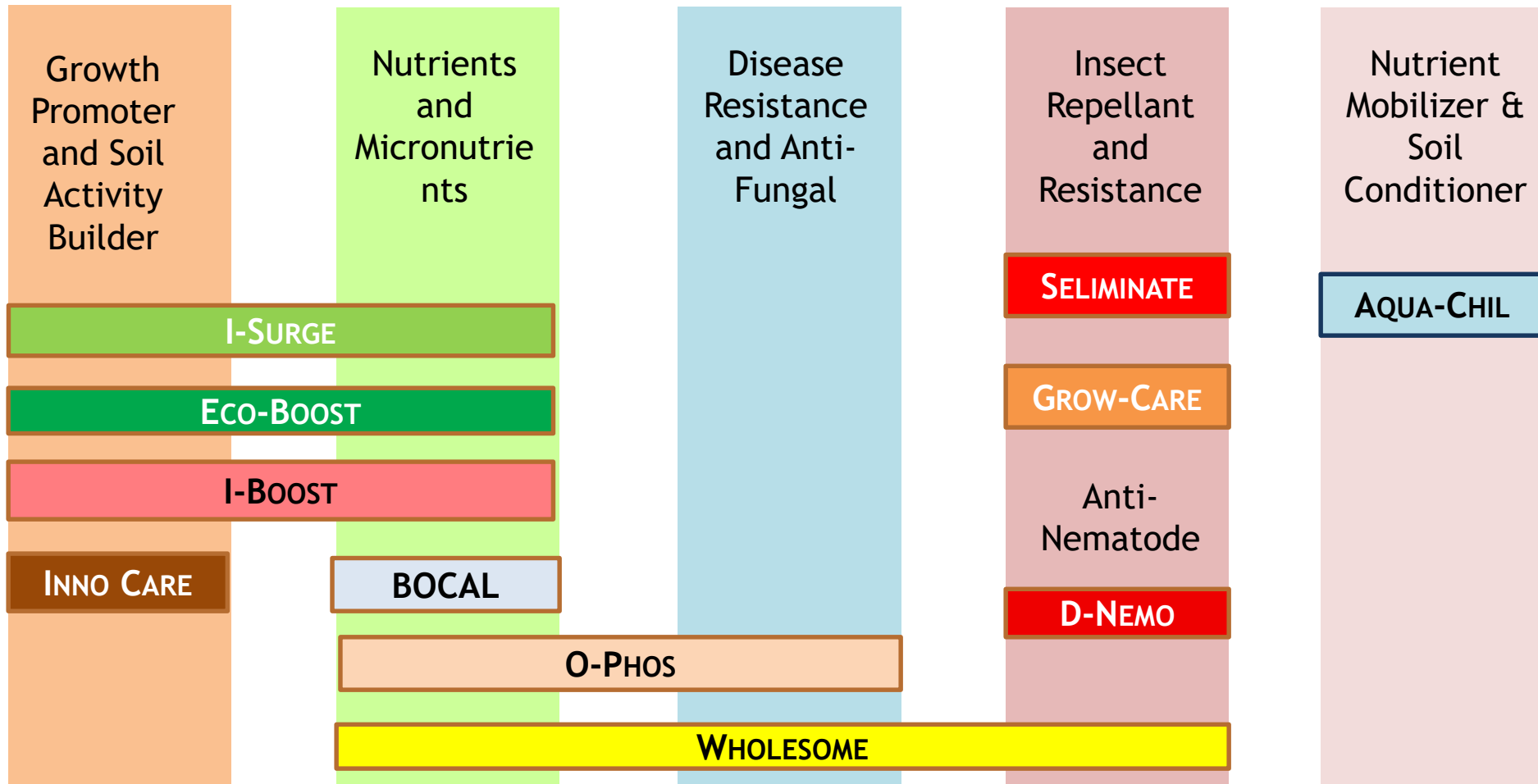
GI has meticulously laboured towards resolving the critical points of concern and rediscovering several new approaches to address the pressing issues of the agriculture and farming sector of our zeitgeist. Such as:

- Reducing the need for Fertilizer inputs from 50-70%
- Reducing Pesticide / Fungicide / Bactericide use up to 95 %
- Elimination of Pesticide residues in Post-Harvest products through input supervision and crisis management and remedying the impact and presence of harmful drugs in post-harvest products
- Enticing Local Honey bees to the farms from neighbouring ecosystems
- Increasing Bio-active molecule concentration in produces such as Turmeric (*Curcumin*), Ginger (*Gingerol*), Jamarosa (*Geraniol*), Lemongrass (*Geraniol*).



Product Portfolio

NPB Technology



INNO CARE

A MICROBIAL INOCULUM

INNO CARE is a Proprietary composition of Mixed Microbial Culture of *Bacillus coagulans* and *Saccharomyces cerevisiae* in liquid form along with bio-chemicals, metabolites, plant extracts, sugars and sugar derivatives processed through complex microbial fermentation for soil and plant health management.

APPLICATIONS

- Increases local soil microbial count.
- Enhances Nutrient Uptake.
- Reduces Soil Salinity
- Assists in Abiotic Stress Management
- Aids Soil Conditioning through microbial activity
- Develops induced resistance in plants
- Amplification of natural Regulations of plant growth substances
- For best results use in Secondary Culture.

APPLICATION DOSAGE:

- Foliar - 2ml / L
- Soil - 500 ml / Acre



Secondary Culture (SC)

A MICROBIAL INOCULUM

Direct application of Primary proprietary cultures can be expensive, hence, we promote the use of GI's Secondary Culture which is made on site, by utilising basic nutritive supplements and INNO CARE - a consortium of two beneficial microbes, namely *Saccharomyces cerevisiae* and *Bacillus coagulans*.

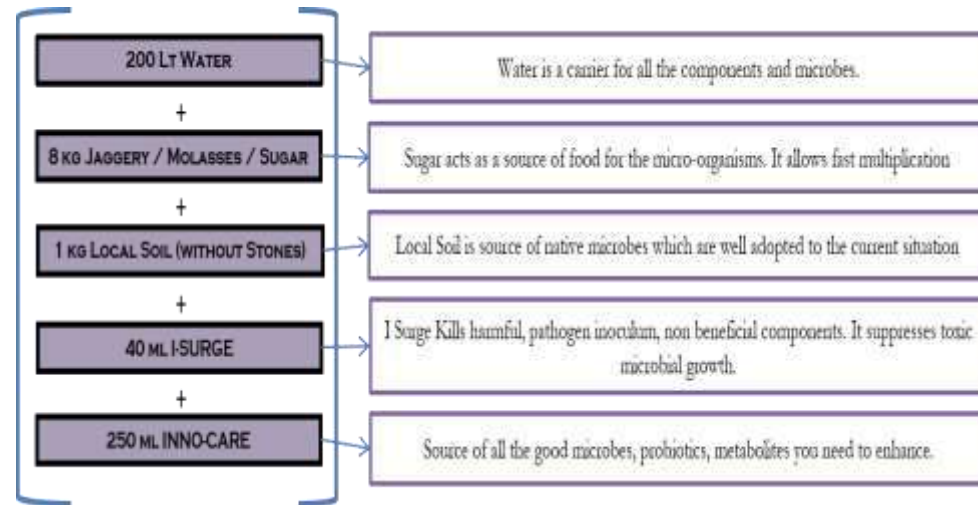
This secondary culture allows up to a thousand-fold multiplication of microbes, which on application helps in rejuvenation of the microbial dynamics of soil of concern.

REQUIREMENTS:

- 250 ml **INNO CARE**
- 40 ml **I-SURGE**
- 8 kg Jaggery / Molasses
- 200 Litre Water
- 1 kg Local soil &/or Dung
- A 200L or Bigger tank/Drum to make and store SC.

PROTOCOL:

- Dissolve 8 kg Jaggery / Molasses in 200 L water.
- Add 1 kg local soil / Dung.
- Add 40 ml **I-SURGE** and stir.
- Add 250 ml **INNO CARE** and stir.
- Stir at least twice a day for the next 7 days, and cover the top, so dust won't settle in.
- For best results, use 70% with irrigation water and 30% as foliar.
- The procedure can be repeated once in a month or a quarter, depending up on crop and situation.



Secondary Culture (SC)

MICROBIAL INOCULUM:

Ashwamedh Engineers & Consultants
 Survey No.102, Plot No.26, Wadala Pathardi Road,
 Indira Nagar, Nashik-422009, Maharashtra, India
(Near Guru Gobind Singh School, Near Pandav Nagar,
 1 km. at Sai Mandir, Cross / Samrat Sewal Turning)
 sales@ashwamedh.net T/F: +91-253-2392225

Ashwamedh
Engineers & Consultants
Laboratory Services Division

TEST REPORT

Sample / Report No.	FR/09/18/08	Report Date	20/09/2018
Name and address of Customer	[Redacted]		
Sample Collected by	Customer	Sample Description / Type	Bhusachark Slum (Organic Fertilizer)
Sample Identification/ Batch No.		Date - Receipt of Sample	13/09/2018
Sample Quantity / Packing	1 L x 1 no. plastic bottle	Date - Start of Analysis	13/09/2018
Order Reference	Verbal Discussion	Date - Completion of Analysis	19/09/2018

Sr. No.	Parameter	Result	Unit	Method
1.	Azotobacter spp	2.7 x 10 ⁷	CFU/ml	IS 1578
2.	Rhizobium spp	3.7 x 10 ⁷	CFU/ml	IS 1578
3.	Phosphate solubilising bacteria	5.5 x 10 ⁷	CFU/ml	IS 1487

Selva
 Ulka Belan
 Deputy Technical Manager (Microbiology)
 AUTHORIZED SIGNATORY

Ashwamedh Engineers & Consultants
 Etd of Reesia

Ashwamedh Engineers & Consultants
 Survey No.102, Plot No.26, Wadala Pathardi Road,
 Indira Nagar, Nashik-422009, Maharashtra, India
(Near Guru Gobind Singh School, Near Pandav Nagar,
 1 km. at Sai Mandir, Cross / Samrat Sewal Turning)
 sales@ashwamedh.net T/F: +91-253-2392225

Ashwamedh
Engineers & Consultants
Laboratory Services Division

Soil Sample After Shurry Application

ANALYSIS REPORT

Sample / Report No.	S/01/18/199	Report date	10/02/20
Name and Address of Customer	[Redacted]		
Sample Collected by		Sample Description / Type	Soil
Sampling Location	Soil After Application	Date - Receipt of Sample	31/01/20
Sample Quantity/Packing	1 kg x 1 no. plastic bag	Date - Start of Analysis	31/01/20
Order Reference	Verbal Discussion	Date - Completion of Analysis	10/02/20

Sr. No.	Parameter	Result	Unit	Method
1.	Azotobacter spp	6.6 x 10 ⁶	CFU/gl	IS 1578:2002
2.	Rhizobium spp	7.7 x 10 ⁶	CFU/g	IS 1578:2008
3.	Phosphate solubilising bacteria	5.5 x 10 ⁶	CFU/g	IS 1487:2000

KARaj
 Kavita Raj
 Technical Manager (Microbiology)
 AUTHORIZED SIGNATORY

Ashwamedh Engineers & Consultants
 Etd of Reesia



Secondary Culture (SC)

MICROBIAL INOCULUM:

श्री चिंतामणी हायटेक लेबॉरेटरी
माती, पाणी, पान व देठ परिक्षण प्रयोगशाळा
उद्योग भवन, ३ रा मजला, कॅनरा बँकचेवर, मुंबई-आग्रा राहिलेरोड, विंध्यगांव (बसवंत) नाशिक.
मो. : 9960010707 फोन : (02550) 250511

Name Of Farmer: [Redacted] Crop: - Grape
Lab No:- 2328
Sample Report on :- 14/02/18

SOIL ANALYSIS REPORT

Sr.No.	Parameters	Unit	Result	Limits	Remark
GENERAL TESTS					
1.	pH	--	8.03	6.51 - 7.5	Alkali
2.	Electrical Conductivity	dSm ⁻¹	0.72	<1.0	Optimum
3.	Calcium Carbonate	%	4	1.01 - 3.0	More
4.	Organic Carbon	%	1.79	1.01 - 2.0	Optimum
5.	Sodium	PPM	671	0 - 1000	Safe
MAJOR NUTRIENTS					
6.	Nitrogen	PPM	190	181 - 220	Optimum
7.	Phosphorus	PPM	49.37	51 - 75	Less
8.	Potassium	PPM	203	451 - 600	Less
SECONDARY NUTRIENTS					
9.	Calcium	PPM	7345	1001 - 1500	More
10.	Magnesium	PPM	1732	501 - 750	More
11.	Sulphur	PPM	64.8	21 - 50	More
MICRO NUTRIENTS					
12.	Ferrous	PPM	1.19	2.51 - 5.00	Less
13.	Manganese	PPM	0.89	2.01 - 5.00	Less
14.	Zinc	PPM	2.27	2.01 - 4.00	Optimum
15.	Copper	PPM	2.46	0.41 - 1.00	More
16.	Boron	PPM	0.41	0 - 0.50	Optimum
17.	Molybdenum	PPM	0.08	0 - 0.50	Optimum
OTHER					
18.	Carbonate	PPM	0		
19.	Bi- Carbonate	PPM	528		
20.	Chloride	PPM	975		

Soil Sample Before Slurry Application

श्री चिंतामणी हायटेक लेबॉरेटरी
माती, पाणी, पान व देठ परिक्षण प्रयोगशाळा
उद्योग भवन, ३ रा मजला, कॅनरा बँकचेवर, मुंबई-आग्रा राहिलेरोड, विंध्यगांव (बसवंत) नाशिक.
मो. : 9960010707 फोन : (02550) 250511

Name Of Farmer: [Redacted] Crop:- Grape
Lab No:- 959
Sample Report on :- 26/9/18

SOIL ANALYSIS REPORT

Sr.No.	Parameters	Unit	Result	Limits	Remark
GENERAL TESTS					
1.	pH	--	8.20	6.51 - 7.5	Alkali
2.	Electrical Conductivity	dSm ⁻¹	0.68	<1.0	Optimum
3.	Calcium Carbonate	%	8	1.01 - 3.0	More
4.	Organic Carbon	%	2.14	1.01 - 2.0	More
5.	Sodium	PPM	587	0 - 1000	Safe
MAJOR NUTRIENTS					
6.	Nitrogen	PPM	196	181 - 220	Optimum
7.	Phosphorus	PPM	43.03	51 - 75	Less
8.	Potassium	PPM	440	451 - 600	Less
SECONDARY NUTRIENTS					
9.	Calcium	PPM	5337	1001 - 1500	More
10.	Magnesium	PPM	1928	501 - 750	More
11.	Sulphur	PPM	23	21 - 50	Less
MICRO NUTRIENTS					
12.	Ferrous	PPM	4.70	2.51 - 5.00	Optimum
13.	Manganese	PPM	2.91	2.01 - 5.00	Optimum
14.	Zinc	PPM	2.39	2.01 - 4.00	Optimum
15.	Copper	PPM	2.50	0.41 - 1.00	More
16.	Boron	PPM	0.32	0 - 0.50	Optimum
17.	Molybdenum	PPM	0.06	0 - 0.50	Optimum
OTHER					
18.	Bi- Carbonate	PPM	594	Less Than 350	More
19.	Chloride	PPM	300	Less Than 350	Optimum

Soil Sample After Slurry Application



Secondary Culture (SC)

A MICROBIAL INOCULUM

APPLICATIONS:

- Enriches the **Soil Microbial Diversity** and Population,
- Increases carbon turn-over in soil, and therefore the **Organic Carbon Content**
- Improves **water holding capacity** of the soil,
- Improves **mobility of nutrients** and improves soil vigor.
- A prescribed dose can be Administered in **Stress Breaking Stage** of horticulture crops
- Effective for increasing **fruit weight**.
- Can be administrated at Regular **weekly to fortnightly** Intervals with irrigation or drenching.
- When used in **foliar application**, it will increase the microbial activity of the phytosphere and thwart external microflora from attacking host foliage as the local microflora will dominate and discourage growth of external pathogens.
- Foliar application of SC can be used to **invite honeybees** to our farms, because of the enticing smell from fermented sugars

APPLICATION DOSAGE:

- **Foliar** - 150 ml / L
- **Soil** - 50 L / Acre



ECOBOOST

A MICROBIAL INOCULUM

ECOBOOST is a Proprietary composition of Mixed Microbial Culture of *Bacillus coagulans* and *Saccharomyces cerevisiae* in liquid form along with bio-chemicals, metabolites, sugars and micronutrients processed through microbial fermentation for soil and plant health management. It can be immediately utilized without putting through Secondary Culture.

The health, Diversity and Population of local microflora is a major concern and it must be addressed in the most sensitive manner. In times of quick action, SC may not be possible to be fermented, therefore, a farmer needs to take action to activate local microbes essentially through effective means. This is where ECOBOOST will be of aid.

APPLICATIONS

- Increases local soil microbial count.
- Enhances Nutrient Uptake.
- Reduces Soil Salinity
- Assists in Abiotic Stress Management
- Aids Soil Conditioning through microbial activity
- Develops induced resistance in plants
- Amplification of natural Regulations of plant growth substances

APPLICATION DOSAGE:

- Foliar - 5ml / L
- Soil - 2500 ml / Acre

Nature Power Balance



WHOLESOME

ELEMENTAL SULPHUR IN ORGANIC FORM

WHOLESOME contains Elemental sulphur bound proprietary combination of aqueous chelating agents of organic origin, ascertaining an Organically Available form of sulphur available on oxidation. Constitutively, it contains more than 25% sulphur by weight.

APPLICATIONS

- An essential nutrient, this elemental form helps in overcoming Sulphur related deficiencies
- Only form absorbed through foliage as SO_4 cannot be absorbed by leaves.
- It reacts with NO_3 by binding oxygen. Thus, regulates the nitrogen in plants and reduces the Nitrogen effect.
- Can be utilized to improve the vigour and plant girth.
- For enhancing and retaining flowering, to reduce the Nitrogen effect.
- Use as a pH regulator from soil. Mix with fertilizers to enhance results.
- Improves disease, pest resistance and increases nutrient availability
- Proficient as a fungicide. It has a systemic as well as contact action. Soil application against the fungal attack is effective.
- As an insecticide, it is an Outstanding solution for red mite, broad mite and aphid control.
- It's also effective in controlling soil nematodes.

APPLICATION DOSAGE:

- Foliar - 2ml / L
- Soil - 500 ml / Acre

Nature Power Balance



O-Phos

BIO-AVAILABLE PHOSPHORUS WITH ORGANIC ACIDS

O-PHOS is GI's Proprietary blend of organic and Bio-available Phosphorus along with supplementary carriers like organic acids to effectively make phosphorus available to plants. O-PHOS is a minor supplement of Bio-available form of Phosphorus but essentially its function is to provide with organic acids which help in release of phosphorus from soil bound mineral form and to offer precursors for activation of local soil borne Phosphate Solubilizing Bacteria and Phosphate Mobilizing Bacteria. It is Highly acidic in nature so it reduces pH which triggers the nutrient availability, therefore, Very effective in alkaline soils

APPLICATIONS

- Recommended as a nutritional supplement to fulfill the Phosphorus requirement.
- Bioavailability due to pH management and organic supplements improves as Phosphorus is absorbed by the plants only under acidic pH range.
- O-PHOS Balances ATP Balance through inorganic phosphorus.
- Organic Phosphorus through O-PHOS is a growth Booster
- Helps in tolerating the stress conditions, biotic as well as abiotic.
- Also recommended for stress management after disease or pest attack, and or Preventive tolerance against biotic stresses.
- Recommended for reproductive growth boosting, flowering, fruit setting, fruit development.
- Also recommended to trigger the process of stress breaking.

APPLICATION DOSAGE:

- Foliar - 2ml / L
- Soil - 500 ml / Acre

Nature Power Balance



I-Surge

BIO-AVAILABLE MICRO-NUTRIENTS WITH ORGANIC ACIDS

iSurge is a nutritive formulation specially designed by **GI** to augment a healthy life cycle of plants to compliment the enriched ecosystem established by NPB Technology. The key nutrients in **iSurge** are Mineral salts of Fe, Bo, Cu, Zn and Mn, and Humic acid and Phosphorus and Sulphur in aqueous chelating agents of organic origin.

I-SURGE, along with INNO CARE is an essential additive in making IEC's Secondary Culture. In SC, I-SURGE plays the role of pH buffering agent through which a specific growth dynamic of fermentation of local microorganisms may be established and controlled.

APPLICATIONS

- Supplies basic nutrients to the plants in bioavailable form.
- Improves root activity and nutrient uptake by Humic Acid.
- Use as a pH regulator for soil. Mix with fertilizers to enhance results.
- Beneficial in Seed germination, nutrient retention, stimulation of beneficial organisms.
- Recommended for reproductive growth boosting, flowering, fruit setting, fruit development.
- Helps in soil borne disease management.

APPLICATION DOSAGE:

- Foliar - 2ml / L
- Soil - 1500 ml / Acre

Nature Power Balance



Aqua-Chil

DYNAMIC CHELATING AGENT

AQUA-CHIL is a formulation of naturally derived organic acids. AQUA-CHIL exhibits a plethora of functions which makes it an essential component of NPB Technology's salinity management Package of Practices and restoration of soil dynamics.

APPLICATIONS

- It acts as chelating agent for the nutrients.
- Its Organic Acid Formulation is useful to Stop the leaching of nutrients and augment slow release of fertilizers.
- Its intrinsic property makes the native soil nutrient available and can also assist in activating soil microbial activity.
- Mineralization, ionization and solubilization of nutrients, salts and minerals can be achieved by the usage of AQUA-CHIL
- Its Antioxidant property and pH regulation ability helps in better nutrient conformation while delivery to plant system
- It can be specifically applied to counter sodium or chlorine toxicity in farm lands.
- This plethora of functions of AQUA-CHIL makes it an essential component of NPB Technology's salinity management and Water quality Safeguarding.

APPLICATION DOSAGE:

- Foliar - 1ml / L
- Soil - 500 ml / Acre



I-Boost

NUTRIENT MOBILIZER

I-BOOST is GI's Proprietary formulation of natural Electrolytes such as Fulvic Acid and Humic Acids in a formulation with Organic acids assists in establishing healthy nutrient mobility in the rhizosphere.

APPLICATIONS

- The constituents of I-BOOST augments Soil Microbes and Soil Organic Matter (Humus), which substantially improves soil vigor
- Its Electrolyte and Organic Acid formulation facilitates in expedient Mineralization of nutrients.
- It offers upgrade of Stress management and improvement of soil health
- When in times of Stress and consequent loss of flowering, a foliar application of I-BOOST (2ml/L) with O-PHOS (2ml/L) can aid in renewal of a newer flower bloom onto the affected plants.

APPLICATION DOSAGE:

- Foliar - 2ml / L
- Soil - 500 ml / Acre

Nature Power Balance



BIO-AVAILABLE MACRO & MICRO NUTRIENTS, ORGANIC ACIDS:

BOCAL

DYNAMICALLY IONISED CALCIUM AND BORON

BOCAL is a GI formulation consisting of Boron and Calcium in Bioavailable liquid form. Its proprietary processing makes it “Dynamically Ionised” for better bioavailability and enhanced results.

APPLICATIONS

- BOCAL has Boron and Calcium in bioavailable form, therefore, it corrects the B and Ca deficiency in all the plant parts.
- Outstanding combination for sunburn, pink berries, irregular fruit shape, quality of fruit, post harvest life.
- BOCAL improves the nutrient movement in plant.
- BOCAL improves flowering, fruit setting and enhances fruit size and aroma in plant.

APPLICATION DOSAGE:

- Foliar - 2ml / L
- Soil - 500 ml / Acre

Nature Power Balance



GROW-CARE

PLANT EXTRACTS AND MICRO-NUTRIENTS BASED PROTECTIVE FORMULATION

GROW CARE is an GI plant protection formulation consisting Plant Extracts (Neem, Chilli, Ginger and Garlic) along with Bio-available organic Sulphur with Micronutrients (Fe, Zn, Mn, Cu and B). This formulation offers a cocktail of plant protection as well as offering a nutritive and growth boost at the time of such a biotic stress.

APPLICATIONS

- As a unique in pest prevention agent and micronutrient supplement GROW CARE can be an essential preventive application against insects.
- It is also a Quick stress relaxing agent after biotic attack.
- Repels and combats various pests by its strong odor and its detrimental impact to insect body on contact
- The presence of Elemental sulfur in bioavailable form makes it an effective fungicide in preventive application and also in avoiding fungal growths in physical injuries on plant parts
- Releases the micronutrients in chelated form which gives long lasting metabolic support to the plants.

APPLICATION DOSAGE:

- Foliar - 1.5 ml / L
- Soil - 400 ml / Acre

Nature Power Balance



D'Nemo

PLANT EXTRACTS BASED NEMATODE CONTROL

D'Nemo is **GI's** Proprietary blend of natural Allyl Isothiocynate (from mustard oil) and Azadirachtin (from neem extract) in a water soluble form.

APPLICATIONS

- It is an effective deterrent of Nematodes (Repulsive Agent).
- It also serves the plant as a defense against herbivores.
- It has also been effective in promoting beneficial nematodes and mycorrhiza in the soil which consequently improves the soil structure, micro-environment, nutritive movement and bioavailability of nutrients in the soil.
- Anti nodulation agent

APPLICATION DOSAGE:

- Soil - 500 ml / Acre

Nature Power Balance



SELIMINATE

PLANT EXTRACTS BASED PROTECTIVE FORMULATION

SELIMINATE is GI's plant protection formulation consisting Plant Extracts (Neem, Chilli, Ginger and Garlic). These extracts have been activated and its active ingredients have been processed to be water miscible to make it a persistent pesticide.

APPLICATIONS

- The alkaloid present in SELIMINATE blocks the respiratory system of insects and keeps them away from area of application.
- The strong repelling agents confuse the insects from their prey/food.
- The pungent penetrating agents dissolves the body covering of the soft bodied insects.
- Due to the intensity of Odor it can have an anti-feedant impact on the pests to keep them from damaging foliage.

APPLICATION DOSAGE:

- Foliar - 1ml / L
- Soil - 300 ml / Acre

Nature Power Balance



LET'S JOIN HANDS TO CREATE
an
ORGANIC WORLD



THANK YOU

