

# SUCCESS WITH NETWORKING



[www.prathista.com](http://www.prathista.com)



## PRATHISTA MISSION

- ☞ ORGANIC AGRICULTURE
- ☞ QUALITY & ENHANCED PRODUCTIVITY
- ☞ ENVIRONMENTAL PROTECTION
- ☞ FARMERS PROSPERITY

Organic Agri-inputs / Manures  
through Biotechnology

**PRATHISTA INDUSTRIES LIMITED**

AN ISO 9001, 14001 & OHSAS 18001 CERTIFIED COMPANY

**STRIVING FOR SECOND GREEN REVOLUTION & ECO-FRIENDLY WORLD**



Extensive Research revealed that, there is no water / land pollution after using Prathista Organic Fertilizers / Manures with excellent organic carbon residual effect to reduce Traditional Fertilizers Consumption for subsequent crops and Research Proceedings are published in an International Conference at United States of America (USA)



*Asia's largest industrial fermentation plant  
to manufacture various Organic Fertilizers / Manures with world class Quality Standards*

Prathista honored with  
**BEST GREEN FIELD COMPANY AWARD,**  
consecutively for two years by  
**POLLUTION CONTROL BOARD,**  
Andhra Pradesh, India.



**India based Multinational Company**

**PRATHISTA** committed for Second Green Revolution with Organic Fertilizers (Supplements / substitutes for Chemical & Inorganic Fertilizers) through fermentation (BIOTECHNOLOGY) route.

**PRATHISTA INDUSTRIES LIMITED**, an ISO 9001, 14001 & OHSAS 18001 certified Company & International Quality Crown Award Winner for its Quality products, is established in 1996 by a Team of Technocrats led by **Mr. KVSS. SAIRAM**, Founder Promoter Director, to manufacture Organic Fertilizers / Manures, Crop Protection Agri-inputs & Other Nutritional formulations, which are substitutes for Inorganic / Chemical fertilizers like DAP / Phosphate Fertilizers, MoP / Potassic fertilizers, CAN / Calcium based fertilizers & other Micro Nutrients like Zinc, Ferrous, Molybdenum, Copper, Manganese, Magnesium, Boron etc., for improving Farm Productivity, Organic Veterinary & Poultry Feeds and its Supplements & Bulk Drugs with Technical Collaboration of National Laboratories, using Industrial Fermentation (BIOTECH) process, for the first time in the World. **PRATHISTA** is financially supported by Technology Development Board, Department of Science & Technology, Ministry of Science & Technology, Govt of India, State Bank of India, Andhra Bank and equity investment from Can Bank Venture Capital Fund Limited, Bangalore.

### **UNIQUE FERMENTATION FACILITIES**

**PRATHISTA** has established Asia's largest Manufacturing unit for production of above Products and created unique & 'state of the art' sophisticated Industrial Fermentation (both Aerobic & Anaerobic) facilities at Choutuppal, Nalgonda District, A.P, which is 50 Km away from Hyderabad Airport.

### **PRATHISTA R&D CENTRE FUNDED BY WORLD BANK**

**PRATHISTA** set up its R&D center since inception of the company with a capital investment of Rs. 70 lacs to start with in 1997. This R&D center is having unique recognitions from Universities to conduct Post Graduation and Ph.D. programs. Besides **PRATHISTA** R&D center enjoys recognition from National labs and Department of Scientific & Industrial Research (DSIR), Govt. of India & Academia.

Subsequent to initial seed capital investment for R&D, the company has expanded its R&D establishment to multi fold with National laboratory (CSIR) technological support to create 'state of the art' Industrial Fermentation Pilot Plant Facilities up to 5000 ltr. capacity & its down stream processes, with capital investment of around USD 1.80 Millions. These facilities are also made available to other Academia & National Laboratories for development of commercially viable technologies. This activity is adopted by the company to focus on a concept of PUBLIC-PRIVATE partnership. World Bank well accepted this unique initiative of **PRATHISTA** and extended financial assistance for creating fermentation (BIO-TECHNOLOGY) facilities.

## UNIQUE HONORS



Hon'ble President of India his excellency Dr. APJ Abdul Kalam with Prathista team lead by MD KVSS Sairam, at new Delhi, during India R&D International conference



Hon'ble Chief Minister of A.P. Dr. Y.S. Rajasekhara Reddy Presenting Best New Product Innovation Award for Bio-Potash to MD & CEO, KVSS Sairam



Hon'ble Governor of A.P. His Excellency Rameshwar Thakur presenting Dr. M. Vishveshvariah Award for Best R&D effort to MD & CEO, KVSS Sairam & JMD, Dr. Rajesh K. Sharma



International Achiever Award for Business Excellence Received by KVSS Sairam, President from Thai Chambers of Commerce at Bangkok, Thailand

## ORGANIC CERTIFICATIONS

**PRATHISTA** Organic Fertilizers / Manures are being manufactured through **BIOTECHNOLOGY** route and thus all Products of **PRATHISTA** are certified for Organic Agricultural Practices / Cultivation by the following agencies :

- Ministry of Agriculture, Govt. of India
- Agricultural Universities
- Ministry of Commerce, Govt. of India (APEDA), approved agencies like.....,

a) **INDOCERT, Kerala** b) **USOCA, Uttarakhand** and other Reputed Organic Certification Agencies c) **Vedic Organic Certification Agency** d) **NGO's**

Besides, **PRATHISTA** has obtained NOCs' from DoA of different states, to market these Organic Fertilizers / Manures in their respective States, as these Products do not come under FCO or Insecticide Acts.

## RECOGNITIONS / HONORS

**PRATHISTA** established with National (CSIR) Laboratory Technical collaboration to manufacture and market multi segment products through Bio-technology to serve various sectors and thus, **PRATHISTA** is the only Company which has been invited by CSIR during their Foundation day celebrations to present the Company's Unique product profile to Honorable Union Minister for Science & Technology Shri. Kapil Sibal & Honorable Lok Sabha speaker Shri. Somnath Chatterjee at Delhi.

The Company President, **Mr.KVSS.SAIRAM** has been honored with the following **Awards** for successfully managing the company.

- Rashtriya Ratna Award 2005 & 2006
- Jewel of India Award
- Udyog Ratna Award 2005 & 2006
- Rajiv Gandhi Sadbhavana Award
- National Achievers Cash Award
- Pride of India Award
- Gems of New Millennium
- Rajiv Gandhi Excellence Award
- Vikas Ratna Award
- International Achievers Award

## PRATHISTA has been honored with the following AWARDS

- First International Honor by a London based organization - **Quality Crown Award**, for the company quality standards.
- FAPPCI Award for **BIO-POTASH**, Organic Fertilizer - for '**Best New Product**' Innovation through **BIO-TECHNOLOGY**.
- Bharat Ratna Dr. M. Vishveshvariya Industrial Award for '**Best Biotechnology R&D effort's**' instituted by All India Manufacturing Organization.
- National Achievement Award for **Quality Excellence**
- **Second International Award for Business Excellence** by Thai Chamber of Commerce, Bangkok, Thailand.



Hon'ble DG - CSIR - Dr. R.A. Mashelkar  
Inaugurating Industrial Fermentation facilities



Industrial Fermentation facilities



Industrial Fermentation / Critical process facilities



Critical down stream process facilities

## PRATHISTA'S ORGANIC FERTILIZERS / MANURES PRESENT / EXISTING AGRICULTURAL PRACTICES

Excessive and continuous use of Chemical & Inorganic Fertilizers has resulted in harmful effect on soil health and has polluted the environment also. Continuous use of Chemical & Inorganic fertilizers produces imbalance in plant nutrients of soil, which affects the acidity / alkalinity of soils and reduces its fertility gradually.

Most of the Chemical & Inorganic fertilizers presently available are soluble in water but on application to soil, they undergo chemical change and convert into less effective, which results in leaching or fixation of fertilizers in soil, thus affecting the soil structure and results in inadequate absorption of these fertilizers by plants and less availability of trace elements. As a result more and more quantity of Chemical & Inorganic fertilizers are being used for Agricultural farming, presently.

### ROLE & BENEFITS OF PRATHISTA ORGANIC FERTILIZERS / MANURES FOR BETTER FARM PRODUCTIVITY

In order to improve Agriculture requirements & Soil fertility etc., **CSIR Govt. of India** has developed unique fermentation technology to manufacture various Organic inputs / Manures, which are totally Bio-available and are capable of supplying all major Plant Nutrients and Micronutrients in readily absorbable form for all Agricultural crops, with lower Dosages. **PRATHISTA** has Collaborated with CSIR to commercialize this unique and sophisticated Fermentation Technology and absorbed the process after extensive Research in **PRATHISTA R&D CENTER** for further up-gradation of process to manufacture organic manures in 3,00,000 (Three Hundred Thousand) liters capacity fermentation plant. **PRATHISTA** Organic Fertilizers / Manures, Crop protection products & other organic manures are totally **BIO-AVAILABLE** and will completely meet the Nutrient requirement for all Crops.

In order to address / solve, the issues raised above regarding the limitations of existing Agricultural Practices, the following are the benefits with **PRATHISTA** Organic Fertilizers / Manures, Crop protection products :

- **Balanced plant nutrition**
- **Control of physical, chemical and life processes, resulting in improved soil health**
- **Useful Micro organisms and their improved activity.**
- **Soil becomes porous resulting in better Aeration.**
- **Improvement in water holding capacity of soil.**
- **Sustainable productivity and quality improvement.**
- **Conservation and Protection of Environment.**
- **No Water and Land Pollution.**

## INTEGRATED APPROACH

By providing **PRATHISTA** Organic Fertilizers / Manures in early stage of crop, farming community will not only ensures better soil health & crop health, but also ensures early crop maturity with better yields. Instead of applying Chemical & Inorganic Fertilizers alone, it is advisable to apply **PRATHISTA** Organic Fertilizers / Manures along with Urea or DAP or MoP or any other complex Chemical and in organic fertilizers for different crops with suitable integrated approach, as the Soil health is already polluted, because of Fixation & Leaching properties with extensive use of Chemical & Inorganic fertilizers. In order to enrich/improve soil texture/soil health, it is essential to supply chemical fertilizers and **PRATHISTA** Organic fertilizers / Manures under **INTEGRATED NUTRIENTS MANAGEMENT PROGRAM**, so that soil health is upgraded in gradual manner to facilitate replacement of chemical fertilizers (Over a period of time) with **PRATHISTA** Organic fertilizers / Manures for better farm productivity. However, if the particular State / Country soils are already upgraded for 100% Organic cultivation, **PRATHISTA** Organic fertilizers / Manures can be used for **CENT PERCENT** Organic agricultural practices.

### ADDITIONAL ADVANTAGES / FEATURES WITH **PRATHISTA** ORGANIC FERTILIZERS / MANURES

Sulphur is a very important secondary Plant Nutrient, which enhances the Quality and Production specially for Oil Seed & Other related Crops. All **PRATHISTA** Organic Fertilizers / Manures are having bio available Sulphur which fulfills the need & requirement of Sulphur. Therefore and as such there is no need to use additional Sulphur based Insecticides OR Fertilizers separately for all Crops. The Sulphur available in **PRATHISTA** Organic products is in Organic form and thus there is better absorption of Sulphur for all variety of Crops.

**PRATHISTA** is manufacturing the following Biotech & Organic Agri-Inputs / Manures for the benefit of farming community :

### **AISHWARYA** (Balanced & Unique Organic Manure)

**AISHWARYA** organic manure is balanced manure which contains all the major, micronutrients, minerals, vitamins and trace elements. All the plant nutrients and strains present in **AISHWARYA** are totally bio available and easily absorbable by the crop / plants to get better crop production. **AISHWARYA** is useful for soil conditioning and is replacement for Cow dung Manure (Gobar Khad) or any other Manures. **Packing & Dosage** : **AISHWARYA** is available in 50 Kgs packing and the normal dosage is 50-100 Kgs per acre .

**Dosage will vary as per soil condition**

### **PRATHISTA ORGANIC MICROMIX** (Specially Developed for Alkaline & Acidic Soils)

**PRATHISTA** Organic Micromix is balanced nutritional product specially developed for Saline, Alkaline and Acidic Soils for enhancing soil health. **Dosage will vary as per soil condition**

### **BIO PHOS** (Substitute for DAP & for any other Phosphatic Fertilizers)

**BIO PHOS** Liquid contains 20% (on dry basis) or above, which is bio available chelated Phosphorus with Protein Hydrolysates (Amino Nitrogen) along with organic Sulphur. **BIO PHOS** is also available in Granular form, which is 100% bio-available. **BIO PHOS** is having bio-available Phosphorus, which is easily & readily absorbable form for all crops / plants. **BIO PHOS** is substitute for presently available chemical / Inorganic fertilizers like DAP / any other Phosphatic fertilizers.

**PACKING & DOSAGE** : **BIO PHOS** granules are available in 10 Kgs & 25 Kgs packing and the normal dosage of **BIO PHOS** granules is 25-30 Kgs per acre. Dosage will vary based on various Geo & Agro Climatic conditions, crop & soil requirements.

**PACKING & DOSAGE** : **BIO PHOS** liquid is available in 250 ml, 500 ml, 1 ltr. & 5 ltr. packing and normal dosage is 2-3 ml per ltr. of water as foliar / fertigation / drip applications.

**Dosage will vary as per soil condition**



**BIO PHOS**  
addresses  
Phosphorus  
deficiency



**BIO POTASH**  
addresses  
Potassium  
deficiency

### **BIO POTASH** (Substitute for MoP & for any other Potassic Fertilizers)

**BIO POTASH** liquid contains 14% (on dry basis) Potash in organic form, which is totally water soluble and easily & readily absorbable form for all crops / plants.

**BIO POTASH** is a supplement / substitute for presently available chemical / Inorganic fertilizers like MoP / any other Potassic fertilizers.

**PACKING & DOSAGE :** **BIO POTASH** liquid is available in 250 ml, 500ml, 1 ltr. & 5 ltr. packing and normal dosage is 2-3 ml per ltr. of water as foliar / fertigation / drip applications.

**BIO POTASH** is available in granular form also which is totally bio available and readily available to crop / plants.

**PACKING & DOSAGE :** **BIO POTASH** granules are available in 10 Kgs & 25 Kgs packing and the normal dosage of **BIO POTASH** granules is 25-30 Kgs per acre. Dosage will vary based on various Geo & Agro Climatic conditions, crop & soil requirements.

**Dosage will vary as per soil condition**



**NPK**  
addresses  
all other  
Nutritional  
Deficiencies

### **ORGANIC NPK** (3.5-4.0-4.0%) - (Substitute for any other NPK soluble Fertilizers)

**ORGANIC NPK** (3.5-4.0-4.0%) is a unique liquid formulation to substitute NPK Nutrients for various crops. This liquid formulation is made available for easily & readily absorbable form and also to take care of Bio Enzymatic conversion of proteins, for better & healthier crop growth.

**ORGANIC NPK** is available in liquid form which is totally water soluble & bio available, which should be sprayed @ 2-3 ml per ltr. of water based on crop requirement to make NPK Nutrients readily available to crop / plants.

**PACKING & DOSAGE :** **ORGANIC NPK** liquid is available in 250 ml, 500 ml, 1 ltr. & 5 ltr. packing and normal dosage is 2-3 ml per ltr. of water as foliar / fertigation / drip applications.

**Dosage will vary as per soil condition**

### **NG CAL** (Organic Calcium with Amino Nitrogen)

Ideal product for Calcium deficiency in the plant, helps in cell division and better productivity. It is a fermentation based product with protein Hydrolysates (Amino Nitrogen) to act as Organic Calcium based fertilizer in powder form and made available in water soluble form for spray to have better farm yield / productivity.

**NG CAL** is a substitute for any commonly available Calcium Based soluble fertilizers or EDTA Calcium based Nutrients.

**PACKING & DOSAGE :** **NG CAL** powder is available in 100 Gms packing and normal dosage is 100 - 200 Gms per acre & also available in Bulk packing for foliar / fertigation / drip applications.

**Dosage will vary as per soil condition**



**NG-CAL**  
addresses  
Calcium  
deficiencies

Megacal  
addresses all  
Micronutrient  
deficiencies



BIO ZINC  
addresses  
Zinc  
deficiency

## MEGACAL (Substitute for any other Calcium based Fertilizers)

**MEGACAL** liquid / granules is a complete plant nutritional product. **MEGACAL** contains bio-available Calcium, Magnesium, Potassium, Zinc, Manganese, Ferrous, Copper, Boron & all other micronutrients in organic form. **MEGACAL** is easily & readily absorbable by all crops / plants and helps in increasing the size of fruits and gives higher yields.

**MEGACAL** is a supplement / substitute for presently available chemical / Inorganic fertilizers like CAN / any other Calcium based fertilizers.

**PACKING & DOSAGE :** **MEGACAL** granules are available in 10 Kgs & 25 Kgs packing and the normal dosage of **MEGACAL** granules is 25-30 Kgs per acre. Dosage will vary based on various Geo & Agro Climatic conditions, crop & soil requirements

**MEGACAL** is also available in liquid form & should be sprayed @ 2-3 ml per ltr. of water based on crop requirement to make various Nutrients readily available to crop / plants. It is strongly recommended to use / spray **MEGACAL** liquid with **PUSHKAL / NEW SURYAMIN** @ 2-3 ml per ltr. of water, for substantially increasing Farm productivity with **EXPORT QUALITY**.

**PACKING & DOSAGE :** **MEGACAL** liquid is available in 250 ml, 500 ml, 1ltr. & 5 ltr. packing and normal dosage is 2-3 ml per ltr. of water as foliar / fertigation / drip applications.

**Dosage will vary as per soil condition**

## BIO ZINC (Substitute for Zinc Sulphates, EDTA Zinc or any other Zinc based Micronutrient Fertilizers etc.)

**BIO ZINC** liquid contains 12 % (on dry basis) Organic Zinc in organic form, which is totally bio available, water soluble, easily & readily absorbable form for all crops / plants.

**BIO ZINC** is 100 % Replacement for presently available Chelated Zinc or chemical / Inorganic fertilizers like Zinc Sulphate / any other form of Zinc fertilizers.

**PACKING & DOSAGE :** **BIO ZINC** liquid is available in 250 ml, 500 ml, 1 ltr. & 5 ltr. packing and normal dosage is 2-3 ml per ltr. of water based on crop requirement to make Zinc readily available to crop / plants as foliar / fertigation / drip applications.

**BIO ZINC** granules are also available in 1Kg & 5 Kgs packing and the normal dosage of **BIO ZINC** granules is 1 to 5 Kgs per acre, based on zinc deficiency. Dosage of **BIO ZINC** granules will vary based on various Geo & Agro Climatic conditions, crop & soil requirements.

**Dosage will vary as per soil condition**

**BIO ZINC** is recommended as a replacement for Zinc Sulphates or any other form of Zinc based Fertilizers by Dept. of Agriculture, Govt. of A.P., India & advocated Farming Community to use Prathista Organic Zinc in place of commonly available any form of Zinc based fertilizers.





Bio Sulphur  
Addresses  
Sulphur  
deficiency

## BIO SULPHUR *(Unique Formulation)*

**PRATHISTA BIO SULPHUR** is unique Formulation to address Sulphur deficiency for all Crops. This formulation is made available in both "Water soluble (Foliar / Fertigation / Drip purposes) and Granulated (for soil applications) forms". These formulations are as potential to its credit for any type of Sulphur based fertilizers.

### How to identify deficiency of Sulphur in different crops?

Sulphur deficiency symptoms in many ways resemble those of Nitrogen, i.e., the leaves become pale-yellow or light-green. Unlike Nitrogen, Sulphur deficiency symptoms appear first on the younger leaves, and persist even after Nitrogen application. In cotton, tobacco and citrus, some of the older leaves are affected first. Plants deficient in Sulphur are small and spindly with short and slender stalks, their growth is retarded, maturity in cereals is delayed, modulation in legumes may be poor and Nitrogen fixation reduced, fruits often do not mature fully and remain light-green in color, forages contain undesirably wide Nitrogen : Sulphur ratio and thus have lower nutritive value. When Sulphur deficiency symptoms have been confirmed, soil application through a material containing readily available Sulphur should be applied. For quicker results, liquid applications are also advisable to protect the Crop from the Sulphur deficiency. Whenever the Sulphur presence in growing plants drops below the critical level required, visual symptoms of Sulphur deficiency start appearing on the plant. The appearance of such symptoms indicates a serious condition because crop yields can decrease even without the appearance of such symptoms.

### PRATHISTA "BIO SULPHUR" is :

- One of the 16 essential plant nutrients.
- Gained fourth place in fertilizer management (others are N, P and K).
- A key component of balanced Nutrient application
- A major nutrient for higher protein and oil production.

### UNIQUE LIQUID FORMULATION OF PRATHISTA "BIO SULPHUR"

Bio Sulphur (25-27%- on dry basis) liquid formulation for foliar / fertigation applications is developed and launched for quick availability of Sulphur to all crops to address deficiency at rapid speed. Liquid formulation is available in 250 MI / 500 MI / 1 & 5 Ltr packings. This liquid formula can also be supplied in 220 Lts Bulk packing and it is recommended to apply 2-3 ml per ltr. of water as foliar spray.

**Dosages of PRATHISTA "BIO SULPHUR"** : Based on research conducted, Bio sulphur is recommended to apply 10 Kgs per acre for all crop. In case of oil seeds & Pulses, it is recommended to apply 20 Kgs per acre & in case of Tuber crops and for Sugar Cane, it is recommended to apply 25 Kgs per acre. Dosages of **BIO SULPHUR** may vary crop to crop, based on deficiency symptoms.

### COMPATABILITY OF PRATHISTA "BIO SULPHUR" FORMULATION

Bio Sulphur (Granules / Liquid) formulations can be mixed with any commonly available Organic / Chemical or In-organic Agri in-puts while application, as Bio Sulphur formula is compatible with all Agri in-puts. Bio Sulphur increases the efficiency of NPK fertilizers if Bio Sulphur is applied along with NPK fertilizers and gradually reduces NPK dosages also.

**Dosage will vary as per soil condition**



Bio-Magnesium  
Addresses  
Magnesium  
deficiency



## BIO MAGNESIUM *(Unique Formulation)*

### Why PRATHISTA Bio-Magnesium to be used for Foliar / Fertigation Application ?

The Natural mechanism of absorbing / taking MAGNESIUM by leaves / Crop / Plant from soil may take its own time, when Crop / Plant grows to certain level / height. In the mean time, the Crop / Plant suffers badly due to non availability of MAGNESIUM at required time and hence the Crop / Leaves / Plants show deficiency symptoms and get reddening color and gradually Structural constituent of Chlorophyll and Nucleic acids synthesis in Plant / Crop / Leaves get suffer very badly which is reducing Farm Productivity substantially season to season, though all forms of MAGNESIUM fertilizers are applied for Crops, as package of practices. In order to meet the MAGNESIUM deficiency at right time for any aging Crop / Plant / Leaves and then increase Farm Productivity, it is highly recommended MAGNESIUM as Foliar Spray or for fertigation. They are Chelated MAGNESIUM formulations are presently available in World market, which are not able to provide desired results in highly effective manner to address MAGNESIUM deficiency for aging crops and hence the MAGNESIUM deficiency problems are in continuous trend in Agricultural sector and hence there is no increase in Farm productivity in tune with Fertilizer consumptions, in all parts of World, but INDIA in particular. Therefore, **Prathista** has developed Bio-Available Organic MAGNESIUM (Bio-Magnesium) for Foliar / Fertigation applications to meet this important requirement of addressing MAGNESIUM deficiency for aging Crops.

Bio-Magnesium liquid formulation contains 4-5% organic magnesium with 48-50% concentration which is readily available to all and any Crops / Plants / Leaves and hence Bio-Magnesium will not only addresses deficiency at right time, but also helps to enhance Farm productivity substantially.

**MAGNESIUM DEFICIENCY CROPS :** **MAGNESIUM** deficiency is normally found in Cotton, Corn, Small Grains, Vegetables, Fruits, Nut trees, Coconut trees, Cereal crops, Plantation crops and all other variety of crops.

**Bio-Magnesium for Foliar Application :** **Bio-Magnesium** liquid Available in 250ml, 500ml and 1000ml packs. Dosage 2-3ml per ltr. of water.

**Drip Irrigation :** 1.5 to 2 ltrs. per acre.

**Bio-Magnesium for Soil Application :** **Bio-Magnesium** granules contains 4-5 % Organic MAGNESIUM along with Sulphur, which is totally bio available and easily & readily absorbable form for all crops / plants. Bio-Magnesium is 100 % Replacement for presently available Chelated MAGNESIUM or chemical / In organic fertilizers like MAGNESIUM Sulphate / any other form of MAGNESIUM fertilizers.

**Bio-Magnesium Method of Application :**

**PACKING & DOSAGE :** **Bio-Magnesium** granules are available in 10 - 25 Kgs packing and the normal dosage of **Bio-Magnesium** granules is 10 - 25 Kgs per acre, based on **MAGNESIUM** deficiency. Dosage of **Bio-Magnesium** granules will vary based on Geo & Agro Climatic conditions, crop & soil requirements.

**Dosage will vary as per soil condition**

Addresses  
Nitrogen & other  
Micronutrients  
Minerals &  
Trace Elementary  
deficiencies

## **PUSHKAL / NEW SURYAMIN** (Organic Plant Growth Enhancers)

**PUSHKAL / NEW SURYAMIN** is vegetable / Cereal Protein based Protein Hydrolysate, contains 25 amino acids and formulated with Seaweed extracts, Humic acid, Fulvic acid along with Organic micronutrients & Trace Elements. **PUSHKAL / NEW SURYAMIN** is a complete formulation for better crop / plant growth promotion and formulated in such a way that, the product will provide extra productivity under various Agro & Geo Climatic conditions. **PUSHKAL / NEW SURYAMIN** are being formulated for both Basal / soil applications & also for Foliar spray, as per the following details.

**PACKING & DOSAGE :** **PUSHKAL / NEW SURYAMIN** granules are available in 5 & 30 Kgs and also in Bulk packing and the normal dosage of **PUSHKAL / NEW SURYAMIN** granules is 5-10 Kgs per acre. Dosage will vary based on various Geo & Agro Climatic conditions, crop & soil requirements **PUSHKAL / NEW SURYAMIN** is available in liquid form also which is totally water soluble and should be sprayed @ 2-3 ml per ltr. of water based on crop requirement to meet Nutrients requirements at different stages of any crop / plants.

**PACKING & DOSAGE :** **PUSHKAL / NEW SURYAMIN** liquid is available in 250 ml, 500 ml, 1 ltr. & 5 ltr. packing and normal dosage is 2-3 ml per ltr. of water as foliar / fertigation / drip applications. Besides, a common liquid formulation for all crops for growth promotion, **PUSHKAL / NEW SURYAMIN** crop specific formulations for foliar / fertigation applications, have been made available in the interest of farming community and the following crop specific formulations are available for market needs :-

- ▶ **COTTON & Bt. COTTON SPECIAL**
- ▶ **VANILLA & CARDAMOM PLANTATION CROPS SPECIAL**
- ▶ **ORCHARD, GRAPES & FRUITS SPECIAL**
- ▶ **VEGETABLES & CHILLIES SPECIAL**
- ▶ **OIL SEEDS & PULSES SPECIAL etc.,**

**Pushkal / New Suryamin** is formulated in combination of **Amino Acids, Humic Acid, Seaweed Extracts & all other required growth promoting substances, including micronutrients, minerals, trace elements and Vitamins in organic form**

**Dosage will vary as per soil condition**





## JADOO (Mixture of long chain fatty alcohols) - Triacontanol (Liquid / Granules) - CIB Act Product

**JADOO** is potent plant growth stimulant derived from naturally occurring plant hormone. It is unique in its range of activities. It is found in plant cuticle waxes and in beeswax. **JADOO** raises plant yield by improving photosynthesis and cell division. **JADOO** contains mixture of long chain fatty alcohols. These alcohols are isolated from active fraction of tea waste, rice bran or sugarcane press mud. Its efficiency is proved for high yield in the case of number of field crops like barely, rice, tomatoes, maize, lettuce, cucumber, potatoes, cauliflower, brinjal, chillies, etc

**The characteristic responses in the plants are:**

- ◆ Increases yield of grains in cereals and other crops.
- ◆ Earlier and stronger tailoring, greener and broader leaves, with an increase in photosynthesis.
- ◆ Influences mineral uptake from soil.
- ◆ Reduction in the rate of leaf drop as well as flower and fruit drop.
- ◆ Promotion of profuse and deeper root system and better propagation of plants.
- ◆ Enhances the activity of naturally available enzymes and hormones in the plants.
- ◆ Uniform and early maturity in plants.
- ◆ Increase height of plants.

**PRECAUTIONS:** It is recommended to spray for only agriculture, horticulture and forest use. It possesses similar hazards as common to petroleum products. In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse. In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushing's, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.

**STORAGE:** Keep container tightly closed.

**JADOO** (Liquid / Granules) are covered under Central Insecticides Board Control Order

**Dosage will vary as per soil condition**

## PRATHISTA FCO PRODUCTS

### SURYA ZINC (EDTA based Chelated Zinc)

All Micro Nutrients like Zinc Sulphate (21% & 33%), Chelated Zinc and all other Micronutrient Fertilizers, Mixtures for Foliar & Soil applications can be made available as per Fertilizer Control Order and also as per Customer requirements.

## CROP PROTECTION PRODUCTS

### PUSH / SAFE (Botanical Crop Protectors)

**PUSH & SAFE** is a botanical crop protector (not in any Act) available in liquid form based on plant extracts mixture of Neem, Karanj, Mustard, Alovera, Chillies, Garlic etc. Intended for application as a preventive and curative agent to protect from various possible pest attack. **PUSH & SAFE** have established to control pests like Moth, Whiteflies, Aphids, Thrips, Mites, Beetles, Hoppers, Root - grubs etc. **PUSH & SAFE** being Organic & botanical in nature, the spray not only protects crop / plant from pests, but also allow the crop / plant to grow healthier. It is highly recommended to use **PUSH & SAFE** along with **PUSHKAL / NEW SURYAMIN** for better results.

**PACKING & DOSAGE :** **PUSH & SAFE** liquid is available in 100 ml, 250 ml, 500 ml, 1 ltr. & 5 ltr. packing and normal dosage is 2-3 ml per ltr. of water as foliar application.

**Dosage will vary as per conditions of the crop**



## SURYANEEM *(Unique Formulation)*

Azadirachtin, the insecticidal principle of **Suryaneem**, isolated from the seeds of the tree, *Azadirachta Indica* is a potent insect growth regulator effective on the larval and nymphal stages in the insect's life cycle. It also effectively controls spider mites, eriophyid mites, termites, plant nematodes and powdery mildews. It is harmless to adult beneficial insects like honey bees, spiders, lady bird beetles etc.

Being an endocrine disrupter, should be applied soon after egg hatching since the early instar and nymphal stages are most susceptible.

**Suryaneem**, 300, 1500 and 3000 PPM are formulated with a specially treated neem oil by removing Azadirachtin destabilizing factors. The flash point being very high, do not cause fire Hazards or ingestion of harmful solvent vapours during handling and spraying. **Suryaneem**, - 10000 PPM has a high flash point solvent which is harmless to humans and animals **Suryaneem**, - 50000 PPM is very safe for the environment.

### How it works :

- ◆ Kills early larval and nymphal stages in insect life cycle. | Anti feed ant , hence on ingestion, larvae stop feeding thereby containing crop damage. | Repels adults thus restricting egg laying.
- ◆ High flash point hence no fire hazards or harmful vapour ingestion. | Formulated with specially treated neem oil, having shelf stability of more than 15 months. | Compatible with other insecticides in the pH range 5.5 to 6.5. | Harmless to beneficial insects.

**Effectively controls Pests :** Helicoverpa, Spodoptera, Erias, Plutella, Bemisia, Helopeltis, Spider Mites, Thrips, Aphids, Weevils, Root as well as foliar nematodes, Grubs, Stem Borers, Powdery Milldew etc.

**Target Crops :** Commercial crops like Cotton, Chilli, Sugarcane and Food Crops like Paddy, Redgram, Bengalgram, Groundnut, Sunflower and Flowering plants like Roses, Jasmines, Chrysanthemums and Vegetable like Brinjal, Tomato, Ladies finger, Cabbage & Cauliflower, Fruit Crops like Mangoes, Oranges, Banana, Grapes, Apples & Pomegranates and all other crops.

**Systemic Function : Tree Injection, Surya neem 10000 & 50000 PPM :** 100 ml once in 3 months, 50 ml each be injected at xylem level from opposite sides.

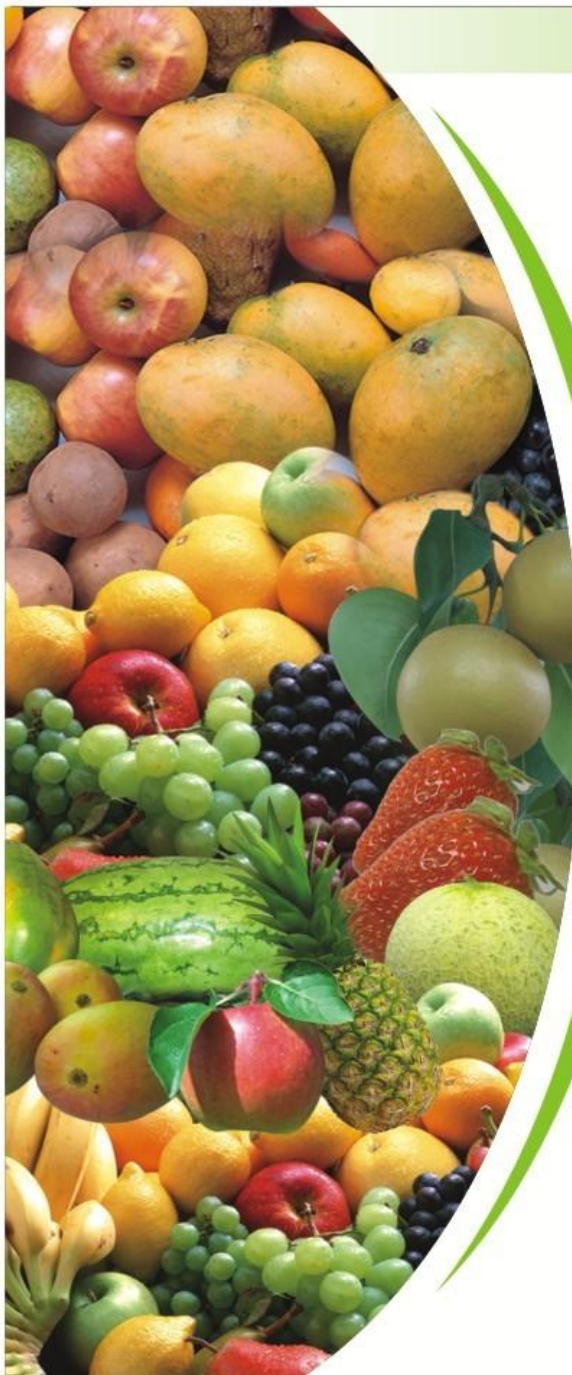
**Root spray, Surya neem 3000 PPM :** Concentration of a.i., in water 20 – 30 ppm 3000 ppm - 6.5 ml/lt.

**Soil Drench, Surya neem 300 & 3000 :** Concentration of a.i., in water 20 – 30 ppm 3000 ppm - 6.5 ml/lt. 300 ppm - 65 ml/lt.

### Product List :

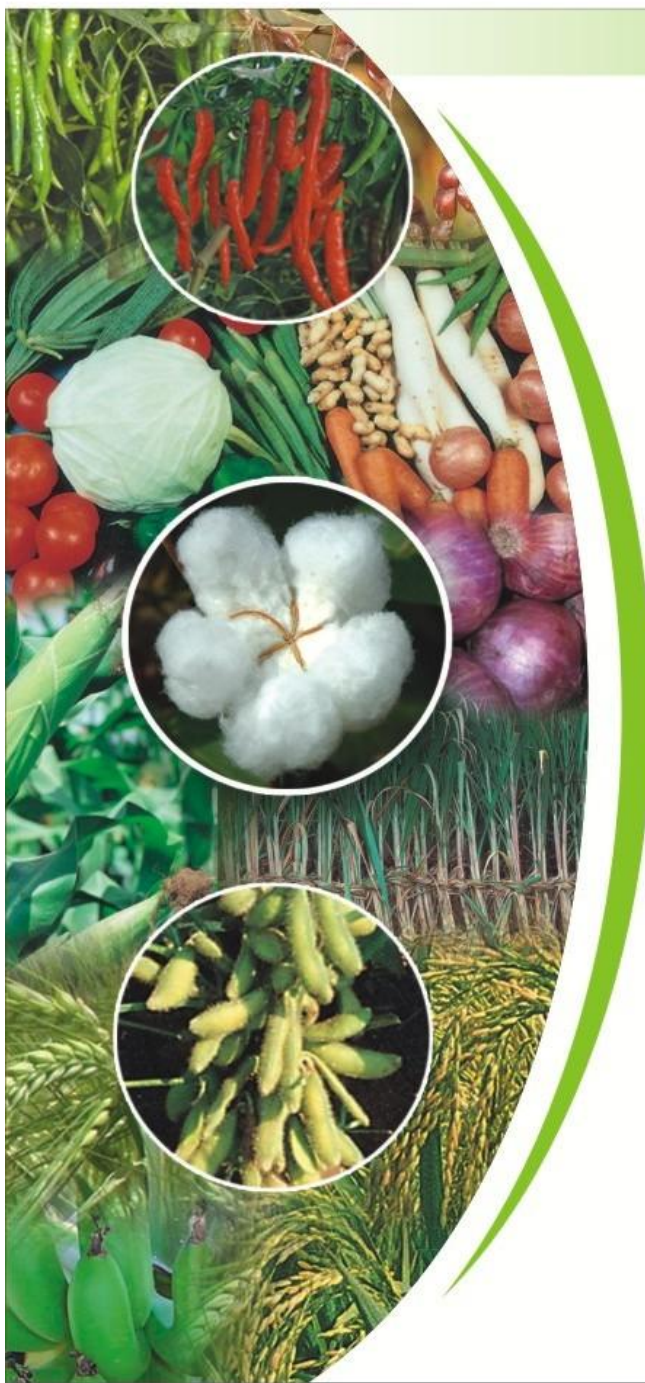
- ◆ Surya neem 300, 1500, 3000 ,10000 and 50000 ppm.
- ◆ Neem Oil with AZA content 300 ppm.
- ◆ Neem kernel Cake / Powder
- ◆ Neem blended organic manures.

**Dosage will vary as per conditions of the crop**



## COMPARATIVE STATEMENT FOR CHEMICAL FERTILIZERS Vs PRATHISTA ORGANIC FERTILIZERS / MANURES

Sl. No.	Chemical Nutrients	Organic Nutrients
1.	It creates residual effect on soil texture/ structure and Soil Biology.	It improves organic carbon percentage in soil.
2.	It creates toxicity for the soil.	It improves Rhizosphere and over all soil Health.
3.	It deteriorates Microbial population in the soil.	It improves soil micro flora and generates useful micro organisms in the soil and increase its population.
4.	Instant performance and lose its effect with in a short time of 3-4 days.	Instant performance but long term effect up to 18-20 days.
5.	It decreases Nutrient Value in the soil due to fixation / leaching problems. The nitrogen fertilizers quickly evaporate into the atmosphere and may not be available to for the crops for longer period.	It improves Nutrient value of the soil and there will be no fixation or leaching problems and this improves soil health. There will not be soil fixation problem and the organic nutrients are 100% water soluble, 100% bio available and 100% biodegradable.
6.	It decreases Nutrient Value of farm produce and leaves chemical residues on farm produce. It substantially improves Nutrient Value and quality of farm produce and there will be no residual effect on farm produce.	It substantially improves Nutrient Value and quality of farm produce and there will be no residual effect on farm produce.
7.	Shelf life of cereal and horticultural farm produce is minimal.	Shelf life of all Agricultural and Horticultural produce improves substantially.
8.	The crops are vulnerable for insect / pest attack on usage of chemical fertilizers.	It reduces insect/ pest attack on crops due to its long lasting Nutrient Value on soil and farm produce.
9.	There is no guarantee of improving color, flavor, aroma and uniform shape of farm produce.	It substantially improves color, flavor, and aroma and provides uniform shape for the produce.
10.	Leaves chemical residues on end produce, which may cause diseases for end consumers.	Totally safe and eco-friendly for farmers, soil and crop and end produce and most importantly environment. Therefore healthy for end consumers.
11.	Application of chemical fertilizers deteriorates the organic structure and texture of the soil and minimizes the microbial activity.	Application of organic plant nutrients enhances the organic structure and texture of the soil and maximizes the microbial activity.
12.	Chemical nutrients on application in soil sets dissolves in the available soil moisture and will become bio-available in the soil only to the extent of 7-30% and of which only 15 – 20% of the nutrients will become bio - available to the plants. The rest will undergo the process of soil fixation.	Organic plant nutrients are 100% water soluble, 100% bio-available to plants and 100% bio degradable with no soil fixation process.



## IMPORTANT POINTS TO BE NOTED FOR USE OF **PRATHISTA** BIOTECH & ORGANIC FERTILIZERS / MANURES WHILE LAND / FIELD PREPARATION, FOR BETTER FARM PRODUCTIVITY

In order to achieve/ get better germination and full plant / crop population, **PRATHISTA** Bio-Tech & Organic fertilizers / manures may be used by way of broadcasting, seed drill and pocketing methods. Alternatively the mixture of **AISHWARYA**, Organic Manure @ 50 Kgs / acre and 1-2 Kgs **PROTECT** (*Trichoderma viride*), recommended quantity of **NEW SURYAMIN / PUSHKAL** Growth promoting granules, **BIO PHOS** granules (substitute for DAP & any other Phosphatic fertilizers) and **BIO POTASH** granules (substitute for MoP & any other Potassic fertilizers) may be applied / mixed with the soil at the time of land / field preparation.

After 20-22 days of seed sowing / plantation and soil application of **PRATHISTA** Biotech & Organic fertilizers / Manures (Granules), apply **PRATHISTA ORGANIC NPK** liquid @ 2-3 ml. per ltr. of water as foliar spray. Then mixture of **MEGACAL & PUSHKAL / NEW SURYAMIN** liquid @ 2-3 ml of each product per ltr. of water should be sprayed at regular interval of 20-22 days from the date of **PRATHISTA ORGANIC NPK** liquid spray, for harvesting high farm productivity with **EXPORT QUALITY**.

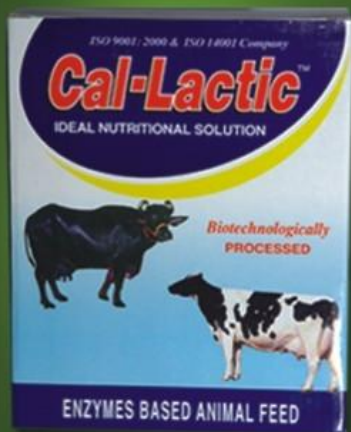
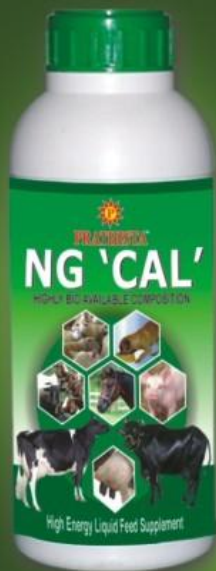
In order to reduce Traditional Fertilizers Consumption, it is recommended to use **PRATHISTA** Organic Agri in -puts / manures as integrated application, as per company recommendations.

### **PRATHISTA ORGANIC FERTILIZERS / MANURES COMPATIBILITY**

**PRATHISTA** biotech & Organic Fertilizers / Manures are compatible with any other Chemical or Inorganic fertilizers & Pesticides. However, DO NOT use **MEGACAL** (Granules or liquid) along with Phosphatic fertilizers (either Organic or chemical / Inorganic fertilizers), to avoid any kind of fixation in the soil.

**Note** : Scientific information regarding dosages etc., are provided based on best of our knowledge. However it is advisable to conduct trails before commercially using the products for experiencing the products Bio Efficacy. **PRATHISTA** do not stand guarantee for any claims, in case of products non performance, which may be due to various Geo & Agro climatic and soil health condition factors.

**PRATHISTA CAN ALSO MANUFACTURE / FORMULATE CUSTOMERISED PRODUCTS AS PER CUSTOMER / CORPORATE COMPANY REQUIREMENTS / RECOMMENDATIONS**



## FEED SUPPLEMENTS FOR MILK YIELDING ANIMALS

### NG CAL *(Water Soluble Nutrients, Minerals, Vitamins to enhance Quality Milk Production)*

**COMPOSITION:** NG CAL - each 100ml consists of totally Bio-available Calcium 4000 mg in the form of Lactates & Gluconates, Chelated Phosphorus 1800 mg with Amino Acids & Peptides, Carbohydrates – 60,000mg along with essential Vitamins, Minerals and other Nutrients. **NG "CAL" is formulated with Bio Available Electrolytes and Probiotics – to improve General Health and to address stress/ Heat Conditions.**

**HIGHLIGHTS:** **1. FOR MILK YIELDING CATTLE** ♦ Provides Good health for cattle with formation of strong bones. ♦ Presence of Calcium increases Milk Production & Healthy Pregnancy. ♦ Presence of Phosphorus makes strong bones. ♦ Provides electrolytes to fight against Heat & Stress conditions. ♦ Increases Immune System. **2. FOR POULTRY & OTHER ANIMALS** : Provides better health for Poultry with Enhanced Fat & Meat. ♦ Increases Egg laying duration & quality. ♦ Increases Feed Efficiency & improves Feed Conversion Ratio (FCR). ♦ Reduces the occurrence of diseases. **DOSAGE:** FOR MILK YIELDING CATTLE - 100ml Daily; ♦ **FOR OTHERS** : Horses & Large Animals - 100ml Daily ♦ Sheep – 20ml Daily @ 10ml, twice a day. ♦ Calves – 10ml Daily @ 5ml, twice a day. ♦ Canine - 5-10ml Daily ♦ Pigs – 20ml Daily @ 10ml, twice a day. **NG 'CAL' is highly soluble in water and thus recommended dose is to be given along with water or along with Feed. Dosage will vary as per Animal condition**

### CLG *(Water Soluble Formula for Increasing FAT, SNF & Lactation Period along with enhanced Quality Milk Production)*

The total solution for quality Milk productivity. Calcium forms an integral part for the production and development of milking animals. Providing Bio-available Calcium on regular basis is the basic need for the milking animals. For better absorption of Calcium in animal body, PIL introducing bio-available CLG for the first time in India, containing Calcium Lactate Gluconate as a source of Calcium & Energy driven Glucose, with an ideal combination of essential ingredients like Magnesium, Phosphorous, Vitamin D3 for Milk promotion and improving compatibility. The Carbohydrates, electrolytes,

#### Scientifically tested in all parts of the country with proven results

**HIGHLIGHTS** : ♦ Ensures increases in Milk production and improves Fat & SNF counts. ♦ Presence of Glucose ensures better energy & increases Lactation period ♦ Prevents Milk Fever ♦ Binds mycotoxin more effectively with zeolites & silicates, there by improving the digestibility of the animal and absorption. ♦ Gives energy **Value** : Kilocalories 200 & Kilocalories 838 **Dosage** : Minimum @ 100ml. per day. **Packing** : Available in unbreakable HDPE bottle of 1 liter & 500ml. pack and bulk packing of 25 liters HDPE jars.

**Dosage will vary as per Animal condition**

### Cal-Lactic *(Ideal Nutritional Solution) - (Powder based Unique Formula for mixing in regular feed (or) can also feed directly with multiple and unique advantages.)*

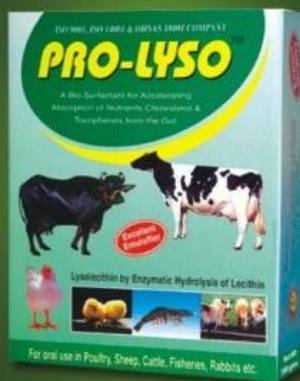
**Cal-Lactic** is a synergistic combination of organic salts. It suppresses the growth and multiplications of enteropathogenic bacteria and promotes growth and colonization of the common salts in the GUT.

**Cal-Lactic** available in free flowing Granulated Powder form and is fortified with essential enzymes, Lactobacillus St., Electrolytes and carbohydrates etc.

**BENEFITS** : **Cal-Lactic** prevents Calcium deficiencies and milk fever in pregnant & lactating animals **Cal-Lactic** enhances milk production. **Cal-Lactic** substantially improves milk yield & improves skeletal growth. Qualitative improvement of milk Fat and SNF

**DOSAGE** : Minimum @ 50gms. per day (or) 1.5-2Kgs. per 1000kgs of Cattle Feed. **PACKING** : **Cal-Lactic** is available in 1-25 Kgs. **Dosage will vary as per Animal condition**





## FEED SUPPLEMENTS FOR POULTRY & OTHERS

**Pro-Lyso** (Lysolecithin through Enzymatic Hydrolysis of Lecithin) - Unique feed supplement in powder form

**PRATHISTA** is introducing non-Hormonal, Naturally occurring animal feed stuff called Pro-Lyso (Lyso-Lecithin) which has growth promoting, disease resistance and longevity properties, when fed to poultry / Cattle / Shrimp and others etc., **Pro-Lyso** contains mixture of modified Lysophospholipids, essential fatty acids and essential amino acids. **BENEFITS** : It Improves weight gain and FCR through improved absorption of Fatty acids & Proteins. It decreases the acetate to proportionate ratio which helps in improved assimilation of acids & Fatty acids. It provides essential fatty acids for overall development. It reduces mortality rate by preventing infections and by increasing the immunity. It can create cleaner and safer water.

**Dosage** : 1-1.5 Kg. per 1000Kgs. of feed **Packing** : **Pro-Lyso** is available in 1-25 Kgs.

**Dosage will vary as per Bird condition**

**Acid Drop** (Unique Combination of Organic Acids) - Available in Liquid & Powder Form for better GUT Health & to enhance shelf life of feed

**Acid Drop** is being introduced in dry form using Indigenously developed Bio-technology process to aid the natural fermentation in the crops of young birds and to compensate the physiological Hydrochloric Acid deficiency in the stomach of piglets. Acid Drop is recommended to mix acid drop with the regular feed to stay in the feed to avoid bacterial contaminations and also to kill the bacteria already present in the feed. Acid Drop will reduce the pH of feed resulting in a lower pH in the stomach or crop, as Acid Drop has the specific ability to penetrate bacteria through the cell wall and kill the harmful bacteria (Bacilli) by interfering with its metabolism.

**BENEFITS** : **Acid Drop** when present in feed, ensures enhanced farm productivity through improved gut health. **Acid Drop** regulates pH and microbial balance of the Gut, thus stimulates the development of lactobacilli in the crop. **Acid Drop** prevents the growth of pathogenic microorganisms. **Acid Drop** improves palatability of feed, thus improves the growth and FCR. **Acid Drop** improves the enzymatic digestion of proteins. **Acid Drop** increases immunity thus reduces mortality and digestion disorders. **Dosage** : The dosage parameters will depend on the initial pH of Feed. However, It is recommended to use 1-2Kg / Tonne of feed. **Packing** : Acid Drop is available in 1-25 Kg.

**Unique Liquid Formulation of Acid Drop** : This liquid formulation is totally water soluble and can be mixed with water as per dosage requirement. **Dosage** : Generally, we recommended liquid formulation as per following dosages, to be mixed with water. However dosage may vary based on guts age and other conditions. Hence it is suggested to the dosage while implementing for commercial use. (for 1000 Birds) Chicks : 15-20 ml. Growers, Broilers & Layers : 35-40ml. **Packing** : 1Lt, 5Lt. and Bulk in 220Lts. drums.

**Dosage will vary as per Bird condition**

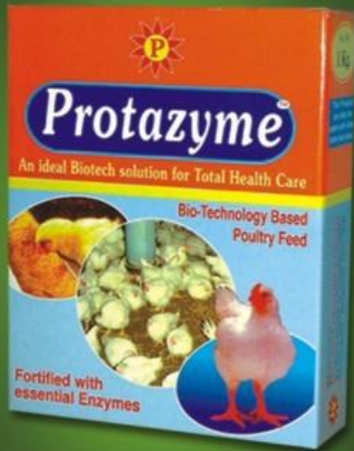
**CLG** (Egg Shell Strengthener) - Water Soluble Liquid Feed Supplement with Bio Available Minerals, Nutrients - Calcium, Phosphorus, Vitamins, Enzymes for enhancing Quality Egg Production

**CLG** consists of Biologically derived Calcium Lactate Gluconate (70%), Oligo-Saccharides Phosphorous, Vitamin D3, Magnesium, Trace Elements, Electrolytes, Carbohydrates, Essential Enzymes & desired Nutrients.

**BENEFITS** : **CLG** Increases Egg production. **CLG** substantially reduces Egg breakage and reduces thin shelled Eggs. **CLG** helps to prevent cannibalism. **CLG** will help to produce strong & top quality Egg shell. It cures Rickets and Osteomalacia and corrects Hypocalcaemia.

**CLG** improves Skeletal Growth. **CLG** effectively combats the summer stress. **CLG** builds up resistance and improves feed utilization. **Dosage** : 0.5 ml. per bird from 24th week to till end of the batch.

**Dosage will vary as per Bird condition**



**Protazyme** (Unique Organic Salts Formulation) - For best Quality Eggs to enhance production & to reduce Thin Egg Production with long lasting effect. To mix with regular feed as recommended

**PROTAZYME** is being manufactured through fermentation (Bio-Tech) process based on naturally available Agricultural commodities such as Sugar Cane, Corn Starch etc. **PROTAZYME** is synergistic combination of Organic acids & their Salts. This formulation suppresses the growth and multiplications of enteropathogenic bacteria and promotes growth and colonization of the common salts in the GUT. **PROTAZYME** are available in free flowing Granulated / Powder form and are fortified with essential Enzymes, Lactobacillus St., Electrolytes and Carbohydrates etc.

**ADVANTAGES :** It Helps to prevent Cannibalism. It Will help to produce strong & top quality egg shell. It Cures Rickets and osteomalacia and corrects Hypocalcemia. It Improves skeletal growth. Effectively combats the summer stress. Builds up resistance and improves feed utilization. Reduces thin shelled eggs and breakages. **Dosage :** 1 - 1.5 Kg per ton of feed. **Packing :** Available in 1 - 25Kg packing.

**Dosage will vary as per Bird condition**

**Protamin** ( Unique Meat Growth Enhancer for Poultry, Sheep, Beef, Pork, Calf & useful for all other meat producing Animals)

**Protamin** is derived through biotechnology (Enzyme Hydrolysis) process which consists of Amino Acids, Electrolyte, Bio available Calcium Gluconate, Enzymes, Carbohydrates, Essential Minerals & Vitamins - in unique nature of water dissolvable conditions. This liquid form feed supplement is easy to handle and free from toxins. It Improves maintenance of life process compounds, thereby it provides better livability.

**BENEFITS :** Best product to increase digestion due to presence of Enzyme thereby releases full potency of feed. Increase production of Eggs and Weight gain, Aquaculture (Weight, Color & Health). Provide Bio available Calcium which provides strength to Egg shell thereby reduces Egg breakage. Compatible with all types of feed. Potent, nutrient, safe & Non-Toxic product. Provides Bio available Gluconate which provides potency & strength. Improves maintenance of life process compounds, there by it provides better livability.

#### CHICKEN

**Broilers :** Min @ 0.5ml. per day for 15 days of batch.  
**Layers :** Min @ 0.5ml. per day for first 24 weeks.  
**Growers :** 30ml. / 100 birds, 10 to 15 days.  
**Chicks :** 20ml. / 100 birds, 10 to 15 days.

#### SMALL ANIMALS

**Sheep / :** 2ml. /Kg of body weight for 10 days.  
**Goat :** 50ml./1 day for 7 weeks  
**Dog :** 2ml. / Kg. of body weight

#### LARGE ANIMALS

**Cow / Buffaloes / Horses / Pigs :** 100 to 150 ml. per animal per day for 30 days

**Packing :** Protamin is available in 1 liter, 5 liters, 30 liters.

**Dosage will vary as per Birds condition**



## OTHER FEED SUPPLEMENTS BASED ON BOTH PROTEINATE CHELATES AND ALSO ORGANIC MOLECULES:

**Prathista** is manufacturing wide range of Unique feed supplements for BULK supplies which are based on Protein Chelates (both Powder / Liquid forms) like Calcium, Manganese, Magnesium, Potash, Sodium, Zinc, Ferrous, Copper and Selenium etc.. These Proteinate chelates are highly water soluble and are Bio available. These Proteinate chelates are compatible with all other supplements.

**PRATHISTA** is well placed in market as a Unique Fermentation manufacturing company of Organic Molecules which are superior or better than that of Proteinates. These Organic Molecules are highly Bio available. Therefore minimizes the dose requirements. These Organic Molecules are based on Organic acids, manufactured based on highly sophisticated fermentation technology using naturally available Carbohydrates as basic raw materials. These Organic acids are available in salt forms in combination of all Minerals., like Calcium, Manganese, Magnesium, Potash, Sodium, Zinc, Ferrous, Copper and Selenium etc.

Based on fermentation establishment strengths, **PRATHISTA** is in unique position to supply large volumes of Yeast Extracts (Live & Dry), Pre and Pro-biotics etc.

Another unique features are naturally derived Bi-Pass proteins (from fermentation plant as a bi-product after Enzymatic Liquefaction of Carbohydrates based on Maize, Soya, Wheat & Rice) are natural proteins which are easy to digest and can used for formulation of mineral mixtures, as these bi-pass proteins are combination of Proteins, Carbohydrates, Digestible fiber, Vitamins and minerals with trace elements.

National Dairy Development Board (NDDB), Govt of India) has recommended **PRATHISTA** bi-pass proteins to be used as in-put for feed manufacturing companies.

## UNIQUE MARKETING STRATEGY

### PRATHISTA SYNERGIZES WITH UNIQUE MARKETING STRATEGIES:

Besides it own presence in Domestic and International markets, **Prathista** has adopted synergizing unique approach in marketing of **Prathista** products across the Globe by joining hands with Major Corporate Companies with their own brand names.

**Prathista** believes in **"SUCUCSS WITH NET WORKING"** with various partners, both in Domestic and International markets for WIN-WIN and for mutual benefits.

**Prathista** is also willing to join hands with potential partners for Business Alliances, Research Collaborations, Contract Manufacturing, Technology Transfers, Capacity Building and also for **JOINT VENTURES**.

**Prathista** is having all facilities to manufacture and supply Customize products / formulations with IPR protection for long term Business relations.



[www.prathista.com](http://www.prathista.com)

## COMMERCIALIZATION & REALITY SHOW OF PRIVATE - PUBLIC PARTNERSHIP (PPP)

### PRATHISTA COLLABORATION

Project Funded by  
Technology Development Board  
(Ministry of Science & Technology)  
Govt. of India, World Bank &  
Nationalized Banks



CSIR, ICAR, Govt. of India /  
National & International Agricultural  
Research Institutes & Academia / NGO's /  
Various State Govt. Organizations / APEDA,  
Ministry of Commerce, Govt. of India.

**INDIAN BASED MULTI NATIONAL COMPANY**

## PRATHISTA INDUSTRIES LIMITED

AN ISO 9001, 14001 & OHSAS 18001 COMPANY

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