

SUCCESS WITH NETWORKING



PRATHISTA®
The pride of being

— India based Multinational Company —

Organic nutrients with Lacto-Gluconate based
Agri inputs for all Crops / Plants under
"Total Crop Management" segment



PHARMA & NEUTRACEUTICALS
LIVE - STOCK FEED SUPPLEMENT
"4G" FERTILIZERS FOR AGRICULTURE

PRATHISTA MISSION
FARM PRODUCTIVITY
FARMER'S PROSPERITY

COLLABORATORS



National Agricultural Innovation Project, Indian Agricultural Research Institute,
Central Arid Zone Research Institute,
Indian Council of Agricultural Research & Council for Scientific & Industrial Research

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PRATHISTA INDUSTRIES LIMITED

AN ISO 9001, 14001, 45001, ISO 22000 & GMP CERTIFIED COMPANY

www.prathista.com

PRATHISTA INDUSTRIES LIMITED

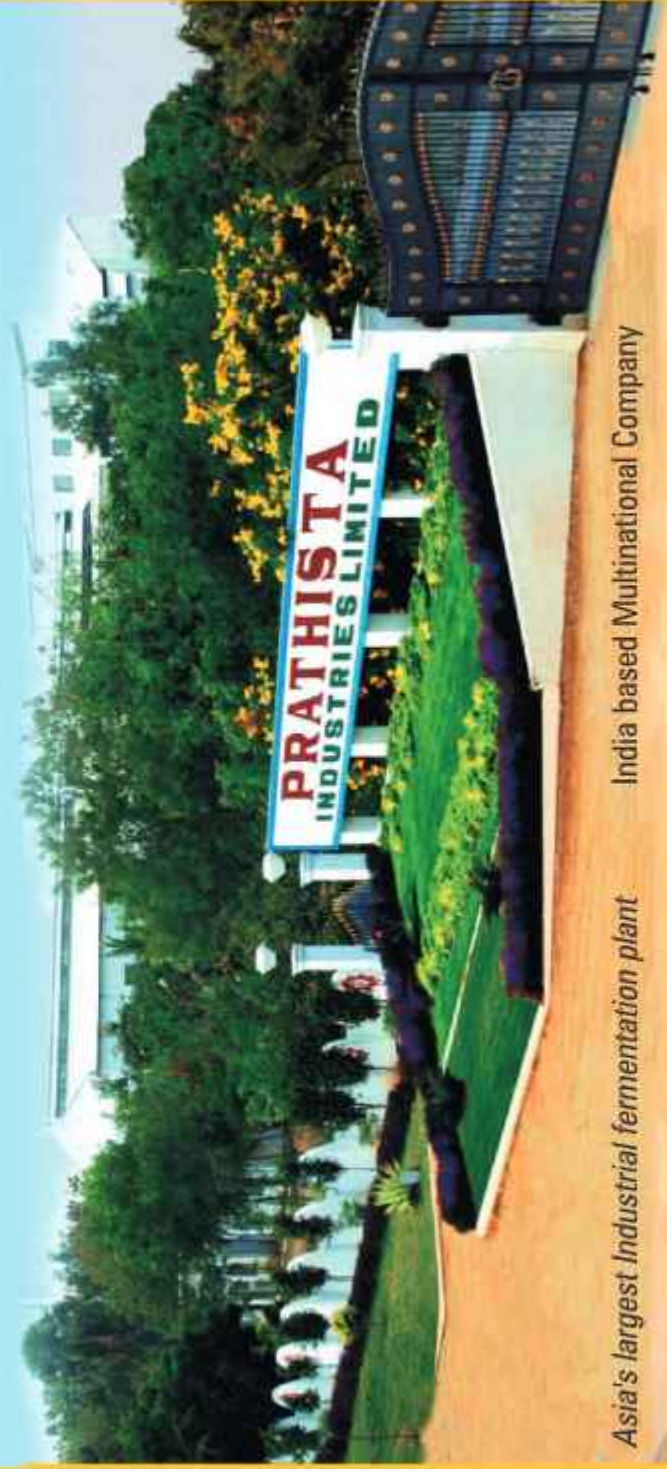
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Prathista "3G" fertilizers and its research proceedings were published in American Agronomy Society (AAS-USA) International conference.

Repeated Research reveals that, Prathista "3G" fertilizers protects Ecology while providing required "NUTRIENTS" for all crops/plants and also provides much needed Organic Carbon for the soil to enhance soil micro - flora and to improve soil health.

Prathista honored with
BEST GREEN FIELD COMPANY AWARD,
consecutively for two years by
POLLUTION CONTROL BOARD,
Telsangana State, India.



Asia's largest Industrial fermentation plant

India based Multinational Company

Prathista Industries Ltd.

Prathista Industries Ltd (PIL), 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 Dr. KVSS Sairam, Founder, Promoter Director to manufacture Organic Fertilizers / Manures, Crop Protection Agri-inputs & other Nutritional formulations which are substitutes for inorganic / Chemical fertilizers and other secondary and micro nutrients for improving farm productivity. Prathista is also producing Organic Veterinary & Poultry feeds and its supplements along with 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, Ministry of Science & Technology, Govt. of India and other leading Banks.

Unique Fermentation Facilities

Prathista has established Asia's largest manufacturing unit for production of above products and created unique and state of the art sophisticated industrial Fermentation (both Aerobic & Anaerobic) facilities.

Prathista R&D Centre Funded by World Bank

Prathista R&D Centre is having unique recognitions from Universities to conduct Post Graduation and Ph.D. programs. Besides, Prathista R&D Centre enjoys recognition from National Labs and Department of Scientific & Industrial Research (DSIR), Govt. of India in recognition of unique initiative of Prathista, World Bank has extended financial assistance for creating fermentation (Bio-Technology facilities).

Organic Certifications

Prathista Organic products are certified by Government accredited agencies.

- APEDA (Ministry of Science & Commerce, Govt. of India)
- Indian Organic Certification Agency (INDOCERT)
- Vedic Organic Certification Agency
- Uttaranchal Organic Certification Agency
- Organic Material Review Institute (OMRI), USA.

Awards

Prathista has been honoured with the following Awards.

- First International honour by a London based organisation - **Quality Crown Award** for quality standards FAPCCI Award for **Bio-Potash**, Organic Fertilizer - for **Best New Product Innovation** through Bio-Technology.
- Bharat Ratna Sir M. Vishveshwaraiah Industrial Award for **Best Biotechnology R&D efforts** instituted by All India Manufacturing Organisation.
- National Achievement Award for '**Quality Excellence**'.
- Second International Award of '**Business Excellence**' by Thai Chamber of Commerce, Bangkok, Thailand.



A) PRATHISTA NPK (ORGANIC NPK) contains multiple organic acids (proteino-lactogluconates) based major nutrients along with micro-nutrients (NPK) and formulated with amino acids @ 6.00% (min.), Sulphur @ 1.00% (min.), Organic Carbon @ 10.00% (min.).

B) PRATHISTA NPK (ORGANIC NPK) formulated with Organic & micro nutrients / trace elements, vitamins, pro-biotics, seaweed extracts & humic acid - as complete nutritional fertilizer for all plants / crops.

ADVANTAGES OF PRATHISTA NPK (ORGANIC NPK)

- **PRATHISTA NPK (ORGANIC NPK)** is totally Bio available & bio degradable and completely absorbable by all plants / crops.
- **PRATHISTA NPK (ORGANIC NPK)** can be safely used to prevent and correct nutrients deficiency in all plants / crops.
- **PRATHISTA NPK (ORGANIC NPK)** contains with protein hydrolysates (amino acids, derived based on vegetable/cereal proteins) & hence the formulation is most effective. Therefore being recommended in small dosages.
- **PRATHISTA NPK (ORGANIC NPK)** promotes growth of healthy green leaves and reduces the intensity of Chlorosis.
- **PRATHISTA NPK (ORGANIC NPK)** is organic nutrient and is suitable for organic farming also.
- **PRATHISTA NPK (ORGANIC NPK)** is compatible with all other manures / fertilizers. It does not create any residual effect on soil / plants/ crops and also for farm produce.
- **PRATHISTA NPK (ORGANIC NPK)** promotes growth of green leaves and reduces the intensity of Chlorosis, **PRATHISTA '4G' ORGANIC NPK** promotes photo-synthesis, this leads to the promotion of carbohydrates, oil fats & proteins (Photo-synthesis).
- **PRATHISTA NPK (ORGANIC NPK)** scientifically tested and proved beneficial.

DOSAGE: 25-50 kgs/ Acre (depending on crop) Dosage will vary as per soil health.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- | | |
|-----------------------------------|--------------------------------------|
| A) Foliar application | : 3 - 4 ml. /liter of water. |
| B) Drip Irrigation | : 0.25ml - 0.50ml. / litre of water. |
| C) Fertigation (Flood Irrigation) | : 1.00 - 1.50ml. / litre of water |

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Granules:** 25 Kg.

Prathista POTASH (Bio-Potash)



PRATHISTA POTASH (BIO-POTASH) contains multiple organic acids based Potash along with amino acids @ 6.00% (min.), Sulphur @ 1.00% (min.), Organic Carbon @ 10.00%.

- **PRATHISTA POTASH (BIO-POTASH)** is totally Bio available & Bio-degradable and completely absorbable by all plants / crops.

- **PRATHISTA POTASH (BIO-POTASH)** promotes growth of Green Leaves and reduces the intensity of Chlorosis. Bio Potash promotes Photo-synthesis, this leads to the promotion of carbohydrates, oil fats & proteins (photo-synthesis).

- **PRATHISTA POTASH (BIO-POTASH)** enhances the production of protein and improves the efficiency of nitrogen fertilizers. Bio Potash increase the ability of plants to withstand stresses such as attack of pests diseases and drought. Bio Potash enhances the absorption of water by the roots. Bio Potash improves the water holding capacity of the soil. Bio Potash avoids ground water pollution.
- **PRATHISTA POTASH (BIO-POTASH)** is organic nutrient and suitable for organic farming & is compatible with all manures / fertilizers. Bio Potash will address Potash ("K") deficiency for plants / crops and compatible with all other manures / fertilizers. Bio Potash does not create any residual effect on soil / plant / crop and also for farm produce.

DOSAGE : 25-50 Kgs / Acre (depending on crop) Dosage will vary as per soil health.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- A) Foliar application : 3 - 4 ml. / liter of water.
- B) Drip Irrigation : 0.25ml - 0.50ml. / litre of water.
- C) Fertigation (Flood Irrigation) : 1.00 - 1.50ml. / litre of water

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Granules** : 25 Kgs.

Prathista Megacal



PRATHISTA MEGACAL contains multiple organic acids (proteino-lacto-gluconates) based Calcium, Magnesium, Boron & all Secondary nutrients (Zinc, Manganese, Ferrous, Copper, Cobalt, Molybdenum etc.), vitamins trace elements, seaweed extract & humic acid which are essential plant nutrients, taken up by all plants / crops, as all these nutrients are in 100% bio-available form. **PRATHISTA MEGACAL** contains Organic Carbon @ 10.00% (min.) along with amino acids @ 6.00% (min.). **PRATHISTA MEGACAL** is in granular form and is suitable for

soil application for all plants/ crops. **PRATHISTA MEGACAL** is compatible with all other traditional fertilizer / pesticide.

- **PRATHISTA MEGACAL** unique proteino-lacto-gluconates formulation increases the bio availability of Ca, Mg, S & all secondary nutrients for plants / crops.
- Calcium present in **PRATHISTA MEGACAL** activates different enzymes for cell division and is essential for stability of cell membrane, which boosts the overall growth and health of the plant.
- Magnesium of **PRATHISTA MEGACAL** is essential for Chlorophyll pigment in the leaves and plays a vital role in activating enzymes for photosynthesis and carbohydrate metabolism.
- **PRATHISTA MEGACAL** sulphur helps in activating enzymes responsible for increasing oil content and protein content in oilseeds / Pulses (Legume Crops). It increases the soil fertility through carbon rich proteinates, lactates and gluconates. It improves soil pH and helps in growth of soil microbial biomass.
- **PRATHISTA MEGACAL** need to be applied as basal application into the soil at the time of sowing or can be top dressed at the time of first irrigation in all plants / crops.
- **PRATHISTA MEGACAL** contains Calcium, Magnesium and Sulphur & all secondary nutrients, which are essential plants nutrient taken up by all Plants / crops.
- **PRATHISTA MEGACAL** is in granular form and is suitable for application in all plants / crops.

DOSAGE: 25-50 Kgs /acre (depending on crop) Dosage will vary as per soil health.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- A) Foliar application : 3 - 4 ml. /liter of water.
B) Drip Irrigation : 0.25ml - 0.50ml. / litre of water.
C) Fertigation (Flood Irrigation) : 1.00 - 1.50ml. / litre of water.

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Granules:** 25 Kg.

PRATHISTA AISHWARYA



PRATHISTA AISHWARYA contains multiple organic acids based nutrients (N-P-K) along with amino acids @ 6.00% (min.), Organic Carbon @ 10.00% & Formulated with organic micro nutrients / trace elements - vitamins and probiotics - as complete nutritional fertilizer for all plants / crops.

- **PRATHISTA AISHWARYA** is totally Bio available & Bio-degradable and completely absorbable by all plants / crops.
- **PRATHISTA AISHWARYA** can be safely used to prevent and correct nutrients deficiency in all plants / crops.
- **PRATHISTA AISHWARYA** is with protein hydrolysates (amino acids, derived based on vegetable / cereal proteins) & hence the formulation is most effective. Therefore being recommended in small dosages.
- **PRATHISTA AISHWARYA** reduces withering and patches. It stops the formation of abnormal small leaves. It increases the plants / crops resistance against diseases and boosts growth rate.
- **PRATHISTA AISHWARYA** helps in the growth of shoots, increases the flower formation, fruit set, seed set and rate of maturity, which results in increase in yield, while meeting nutrient requirements for plants & crops.
- **PRATHISTA AISHWARYA** enhances the production of proteing and improves the efficiency of nitrogen fertilizers. **AISHWARYA** increase the ability of plants to withstand stresses such as attack of pests diseases and drought. **AISHWARYA** enhances the absorption of water by the roots. **AISHWARYA** improves the water holding capacity of the soil. It avoids ground water pollution.
- **PRATHISTA AISHWARYA** facilitates health & strength against stress conditions for various crops. It enhances soil micro-flora.

DOSAGE: 25-50 Kgs /acre (depending on crop) Dosage will vary as per soil health.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- A) Foliar application : 3 - 4 ml. /liter of water.
- B) Drip Irrigation : 0.25ml - 0.50ml. / litre of water.
- C) Fertigation (Flood Irrigation) : 1.00 - 1.50ml. / litre of water.

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Granules:** 25 Kg.

PRATHISTA PHOSPHATE (Bio-Phos)



PRATHISTA PHOSPHATE (Bio-Phos) contains multiple organic acids based Phosphorus along with amino acids @ 6.00% (min.), Sulphur @ 1.00% (min.), Organic Carbon @ 10.00%.

- **PRATHISTA PHOSPHATE (Bio-Phos)** is totally Bio-available & Bio-degradable and completely absorbable by all plants / crops.
- **PRATHISTA PHOSPHATE (Bio-Phos)** can be safely used to prevent and correct Phosphorus (P) deficiency in all plants / crops.
- **PRATHISTA PHOSPHATE (Bio-Phos)** is with protein hydrolysates (amino acids, derived based on

vegetable/cereal proteins) & hence the formulation is most effective. Therefore being recommended in small dosages.

- **PRATHISTA PHOSPHATE (Bio-Phos)** will help the plants / crops to absorb Phosphorus effectively & improves soil micro flora. Bio-Phos enhances water holding capacity for the soil. Bio-Phos reduces ground water pollution.
- **PRATHISTA PHOSPHATE (Bio-Phos)** promotes growth of healthy green leaves and reduces the intensity of Chlorosis.
- **PRATHISTA PHOSPHATE (Bio-Phos)** reduces withering and patches. It stops the formation of abnormal small leaves. It increases the plants / crops resistance against diseases and boosts growth rate.
- **PRATHISTA PHOSPHATE (Bio-Phos)** is compatible with all other manures / fertilizers. It does not create any residual effect on soil / plants/ crops and also for farm produce.

DOSAGE: 25-50 kgs/ Acre (depending on crop) Dosage will vary as per soil health.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- A) Foliar application : 3 - 4 ml. / liter of water.
B) Drip Irrigation : 0.25ml - 0.50ml. / litre of water.
C) Fertigation (Flood Irrigation): 1.00 - 1.50ml. / litre of water

AVAILABLE PACK SIZES: Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. Granules: 25 Kg.

PRATHISTA ZINC (Bio-Zinc)



PRATHISTA ZINC (BIO-ZINC) contains multiple organic acids based Zinc, Sulphur 0.5%, Formulated with Amino Nitrogen @ 6.00% and Organic Carbon @ 10.00%.

- **PRATHISTA ZINC (BIO-ZINC)** promotes growth of healthy green leaves and reduces the intensity of Chlorosis.
- **PRATHISTA ZINC (BIO-ZINC)** reduces withering in patches. It stops the formation of abnormally small leaves. It increases the plants resistance to diseases and boosts growth rate.
- **PRATHISTA ZINC (BIO-ZINC)** helps in the growth of shoots. Increases the flower formation, Fruit set, seed set and rate of maturity which results in

substantially increases the yield.

- **PRATHISTA ZINC (BIO-ZINC)** is organic nutrient and is suitable for organic farming also.
- **PRATHISTA ZINC (BIO-ZINC)** is compatible with all manures / fertilizers.
- **PRATHISTA ZINC (BIO-ZINC)** addresses zinc deficiency & is substitute for all Chemical / inorganic fertilizers.

DOSAGE : 2-4 Kgs / Acre (depending on crop) Dosage will vary as per soil health.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- A) Foliar application : 3 - 4 ml. / liter of water.
B) Drip Irrigation : 0.25ml - 0.50ml. / litre of water.
C) Fertigation (Flood Irrigation) : 1.00 - 1.50ml. / litre of water

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Granules :** 4 Kgs.

PRATHISTA NEW SURYAMIN



PRATHISTA NEW SURYAMIN LIQUID

Total Organic Acids (Amino Acids & Others) : 24.00%, Major Nutrients : 6.00%, Nutrients : 18.00%, Organic Carbon : 10.00% (Formulated with Nano Nutrients).

PRATHISTA NEW SURYAMIN GRANULES :

Contains multiple organic acids based nutrients (N.P.K.) along with Vegetables / Cereals based Protein Hydrolysates (Amino Acids) @ 6.00% (min.), Organic Carbon @ 10.00% & Formulated

with organic micro nutrients / trace elements, vitamins. Humic Acid, Sea weed extracts and pro-biotics - as complete nutritional formulation for all plants / crops.

PRATHISTA NEW SURYAMIN ADVANTAGES :

- Optimizes crop yields & quality.
- Increases tolerance of crops to biotic & abiotic stress.
- Eco-safe being biodegradable
- Compatible with all pesticide fertilizers.
- PRATHISTA NEW SURYAMIN provide balanced nutrition for optimum growth promotion through availability of required amino acids, enzymes, micro-nutrients, optimum metabolite formation.
- PRATHISTA NEW SURYAMIN enhances germination of seeds, extends root and shoot development, increases tolerance to stress, increases flower & fruit setting.
- PRATHISTA NEW SURYAMIN improves size, colour, flavour of the produce & increases yield.

DOSAGE : 5 Kgs / Acre (depending on crop) Dosage will vary as per soil health.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- | | |
|-----------------------|--------------------------------------|
| A) Foliar application | : 3 - 4 ml. / liter of water. |
| B) Drip Irrigation | : 0.25ml - 0.50ml. / litre of water. |
| C) Fertigation | : 1.00 - 1.50ml. / litre of water |

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr.

Granules : 2 Kg., 5 Kg. Bucket Packing & 5 Kg. in Bag packing.



PRATHISTA FARMGRO

Prathista Farm Gro contains Amino Acid / Hydrolyzed Protein @ 11.00%, Nitrogen @ 4.5%, Organic Potash @ 1.5%, Organic Phosphorus @ 1.5%, Organic Nutrients & Trace Elements @ 7.0%, Micronutrients @ 1.0%. Hormones (G.A. CK) @ 437.7 mg/l, Organic liquids filler material in

Lacto-Gluconate form @ 27.0%, Organic Magnesium @ 1.5%.

DOSAGE :

- Dilute 2-3 ml of Farmgro in a liter of water and spray on the Crop.
- 2-3 sprays are recommended during the crop cycle.
- Farmgro can be mixed with majority of pesticides while spraying.
- Farmgro is neither toxic nor harmful to flora / fauna / environment.

PRATHISTA BIO-CALCIUM



Active agri ingredient in Bio-Calcium is Organic & Bio available Calcium 12% (DB) along with 3-4 (DB) protein hydrolysates.

Calcium is a secondary plant nutrient which is required by plants for healthy growth.

Calcium is the most important nutrient for post harvest quality of the fruits.

Calcium acts as glue between cell walls. So it is responsible for holding together the cell walls of the plant.

Fruit with low calcium levels at harvest are soft and of extremely poor quality.

DIRECTION FOR USE:

- Mix 2-3 ml, Bio Calcium per liter of water and spray as foliar application.
- For drip irrigation use 1.25 to 1.5 litre of Bio Calcium per acre of land for all crops.
- Bio Calcium is compatible with all commonly used pesticides and fertilizers.

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Granule** : 10 Kg.



PRATHISTA BIO-MAGNESIUM

Bio-Magnesium contains multiple organic acids (protein - lacto - gluconates) based Magnesium @ (min. 5.00%) along with amino acids @ 6.00% (min.), Organic Carbon @ 10.00% formulated with Organic micro-nutrients/trace elements - vitamins and probiotics as complete nutritional fertilizers for all plants / crops.

Bio-Magnesium addresses Magnesium deficiency & is essential nutrient for photosynthesis and proteins synthesis in plant.

Bio Magnesium develops chlorophyll and increases the role of photosynthesis in the plant. Thus provides growth of healthy

green leaves and reduces the intensity of Chlorosis.

Bio Magnesium reduces withering and patches in leaves. It stops the formation of yellowing and rendering of leaves.

DIRECTION FOR USE:

- Bio-Magnesium granules contains 4-5% Magnesium along with sulphur, which is totally bio available and easily & readily absorbable form for all crops/ plants.

DOSAGE : **Liquid** : 2-3 ml. per ltr. of water. Drip Irrigation : 1.5 to 2 ltr. per Acre.

Granule : 10-25 Kgs. per acre based on Magnesium deficiency.

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Granule** : 10 Kg.

PRATHISTA SOIL RICH / FARMGRO G (Mycorrhizal Bio-Fertilizer)

BIO FERTILIZERS



PRATHISTA SOIL RICH / FARMGRO G is a Mycorrhizal Bio Fertilizer. Enriched with Organic Micro & Macro nutrients.

- PRATHISTA SOIL RICH / FARMGRO G Increases surface area of roots and Develops stress tolerance. Increase soil organic carbon & microbial bio mass.
 - PRATHISTA SOIL RICH / FARMGRO G enhances the nutrient and water uptake through its hyphae. It also mobilizes the fixed / leached nutrients mainly P and Zn through its hyphae.
 - PRATHISTA SOIL RICH / FARMGRO G produce uniform seedling. Stimulate the growth of beneficial micro organisms. Enhances the Bio Enzymatic conversion of proteins.
- DOSAGE :** Granuels: 2-5 Kgs / Acre (depending on crop)
Dosage will vary as per soil health.
- AVAILABLE PACK SIZES:** 2 Kg and 5 Kg.
- OTHER AVAILABLE BIO-FERTILIZERS :**
- Rhizobium ● Phosphate Solubilizing Bacteria (PSB) etc.,



PRATHISTA NPK CONSORTIA

A) PRATHISTA NPK CONSORTIA individual viable count in liquid based CFU minimum Rhizobium or Azotobacter or Azospirillum 1×10^8 / ml CFU minimum PSB 1×10^8 / ml, CFU minimum KSB 1×10^8 / ml.

B) PRATHISTA NPK CONSORTIA viable cell count CFU minimum 5×10^8 cell/ml of liquid. Contamination level : No contamination at any dilution pH: 5.0-7.0.

ADVANTAGES OF PRATHISTA NPK CONSORTIA

- Azotobacter : The strain should be capable of fixing atleast 10mg N fixation /g of C-Source .
 - Azospirillum : The strain should be capable of fixing atleast 10 mg of N-fixation/g of malate applied.
 - PSB : Minimum 5 mm zone of solubilization zone of PSB media having atleast 3 mm thickness.
 - KMB : Minimum 5 mm zone of solubilization on KSB media having atleast 3 mm thickness.
 - Rhizobium : Nodulation test positive.
 - It enriches soil micro-flora.
 - It enhances higher productivity.
 - It does not disturb the ecological balance.
 - Completely Bio-degradable.
 - Helps in the Growth of roots and shoots.
- CROPS :** can be used in crops like Paddy, Wheat, Cotton, Chillies, Maize, Sorghum, Black gram, Tea, Coffee, Groundnut, Soyabean, Cauliflower, Cabbage, Cardamom, Ginger, Black Pepper, Vanilla, Grapes, Pine Apple, Banana, Strawberry, Mango, Citrus, Plumbs and Apple etc.

DOSAGE: 25-50 kgs/ Acre (depending on crop) Dosage will vary as per soil health.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- | | |
|-----------------------------------|--------------------------------------|
| A) Foliar application | : 3 - 4 ml. / liter of water. |
| B) Drip Irrigation | : 0.25ml - 0.50ml. / litre of water. |
| C) Fertigation (Flood Irrigation) | : 1.00 - 1.50ml. / litre of water |

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Powder :** 4 Kg.

PRATHISTA KMB



PRATHISTA KMB carrier based in form of liquid. Viable Cell Count : CFU minimum 1×10^8 cell/ml of Liquid. Contamination Level : No contamination at 10 dilution. pH : 5.0 - 7.5. Efficiency Character : Should show effective modulation on all the species listed on the packet.

- It enriches soil micro-flora.
- It enhances higher productivity.
- It does not disturb the ecological balance.
- Completely Bio-degradable.
- Helps in the Growth of roots and shoots.

Crops : Can be used in Crops like Paddy, Wheat, Cotton, Chillies, Maize, Sorghum, Black gram, Tea, Coffee, Groundnut, Soyabean, Cauliflower, Cabbage, Cardamom, Ginger, Black Pepper, Vanilla, Grapes, Pine Apple, Banana, Strawberry, Mango, Citrus, Plumbs and Apple etc.,

DOSAGE : 4 Kg / Acre vary from crop to crop.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- A) Foliar application : 3 - 4 ml. / liter of water.
B) Drip Irrigation : 0.25ml - 0.50ml. / litre of water.
C) Fertigation (Flood Irrigation) : 1.00 - 1.50ml. / litre of water

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Powder :** 4 Kg.



PRATHISTA ZMB

PRATHISTA ZMB contains bacterial cells capable of producing various organic acids in a soil medium and convert the insoluble complexes of zinc into available forms. Base : Carrier based in form of liquid. Viable Cell Count : CFU minimum 1×10^8 cell/ml of liquid. Contamination Level : No contamination at 105 dilution. pH : 5.0-7.5. Efficiency Character : Minimum 10mm solubilization zone in prescribed media having at least 3mm thickness.

Crops : Its recommended & suitable for all crops.

Direction for Use : Seed treatment : Mix 50ml of ZMB with in 1 Kg. of seed in required quantity of water and dry in shade for 15-20 minutes before sowing.

Soil Treatment : Mix 1 ltr. of ZMB with 50 Kg. soil/FYM/Vermicompost/compost maintain moisture for 3-5 days in shade, broadcast in one acre at the time of sowing.

Set/Seeding Treatment : Mix 250ml of ZMB in 20-30 liter water in a container and dip the seeding / setting / rhizomes for 30 minutes before transplanting. **For Drip/spray :** Mix 1 Ltr. of ZMB with 200 liter water and spray near the root zone of the crop in one acre.

AVAILABLE PACK SIZES:

Liquids : 100ml, 250ml, 500ml, 1 ltr., & 5 ltr. **Granule / Powder :** 4 Kg.

PRATHISTA PUSH

ORGANIC PLANT PROTECTORS



- **PRATHISTA PUSH** 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.,
- **PRATHISTA PUSH** intended for application as a preventive and curative agent to protect from various possible pest attacks.
- **PRATHISTA PUSH** have developed to control pests like Moths, Whiteflies, Aphids, Thrips, Mites, Beetles, Hoppers, Root-grubs etc.
- **PRATHISTA PUSH** being Organic & Botanical in nature, the spray not only protects crop / plant from pests, but also allow crop / plant to grow healthier.
- **PRATHISTA PUSH** is highly recommended to use along with **NEW SURYAMIN** for better results.

DOSAGE : 2-3 ml. per one liter of water in foliar application at larval development stage / pre pest attack stage.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- A) Foliar application : 3 - 4 ml. / liter of water.
- B) Drip Irrigation : 0.25ml - 0.50ml. / liter of water.
- C) Fertigation : 1.00 - 1.50ml. / liter of water

AVAILABLE PACK SIZES: **Liquids :** 100ml, 250ml, 500ml, 1ltr., & 5ltr.

PRATHISTA NEEM



PRATHISTA NEEM OIL contains Azadiractin a.i. min. 5% w/w, Other limonoids including Nimbin Salamin Fatty acids, Glycerol Ester @ 15% w/w min., Surfactant (Poly Ethylene) @ 80% w/w min.

DIRECTION OF USE When used as recommended through a high volume sprayer, this product controls the pests effectively. Take the required quantity of the product in some water and stir well. Add the required quantity of water and stir well to form a ready to use spray.

PRECAUTIONS : Avoid contact of the material with skin. Wear protective materials like apron, hood, boots and gloves while spraying. Do not eat, chew or smoke while spraying.

ANTIDOTE : Treat symptomatically. Give gastric lavage if swallowed. Call a Physician.

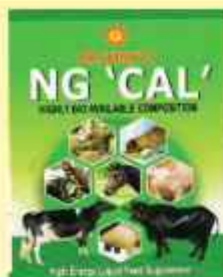
DOSAGE : 2-3 ml. per one liter of water in foliar application at larval development stage / pre pest attack stage.

WATER SOLUBLE (100%) LIQUID FERTILIZER DOSAGES :

- A) Foliar application : 3 - 4 ml. / liter of water.
- B) Drip Irrigation : 0.25ml - 0.50ml. / liter of water.
- C) Fertigation : 1.00 - 1.50ml. / liter of water

AVAILABLE PACK SIZES: **Liquids :** 1ltr., **Powder:** 40 Kgs

PRATHISTA NG CAL



PRATHISTA NG CAL each 100 ml consists of totally Bio-available Calcium 4000 mg in the form of Lactates & Gluconates, Phosphorus 1800 mg with Amino Acids & Peptides, Carbohydrates - 60,000 mg 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 :

- **FOR MILK YEILDING CATTLE :**
 - Provides Good health for cattle with formation of strong bones.
 - Presence of Calcium increase Milk Production & Healthy Pregnancy.
 - Presence of Phosphorus makes strong bones.
 - Provides electrolytes to fight against Heat & Stress conditions.
 - Increases Immune System.
- **FOR POULTRY & OTHER ANIMALS:**
 - Provides better for Poultry with Enhanced Fat & Meat.
 - Increases Egg laying duration & quality.
 - Increases Feed Efficiency & improves Feed Conversion Ration (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.

PRATHISTA CAL-LACTIC



- **PRATHISTA CAL-LACTIC** is a synergistic combination of organic salts.
- **PRATHISTA CAL-LACTIC** suppresses the growth and multi-plications of enteropathogenic bacteria and promotes growth and colonization of the common salts in the GUT.
- **PRATHISTA CAL-LACTIC** available in free flowing Granulated Powder form and is fortified with essential enzymes, Lactobacillus St., Electrolytes and carbohydrates etc.,
- **PRATHISTA CAL-LACTIC** prevents Calcium deficiencies and milk fever in pregnant & lactating animals Cal-Lactic enhances milk production.
- **PRATHISTA CAL-LACTIC** substantially improves milk yield & improves skeletal growth. Qualitative improvement of milk Fat and SNF.

DOSAGE : Minimum @ 50gms. per day (or) 1.5-2 Kgs per 1000 Kgs of Cattle Feed.

PACKING : Cal-Lactic is available in 1-25 Kgs.

PRATHISTA PROTAMIN



PRATHISTA PROTAMIN is derived through biotechnology (Enzyme Hydrolysis) process, which consists of Amino Acids, Electrolytes, Bio-available Calcium Gluconate, Enzymes, Carbohydrates, Essential Minerals & Vitamins - in unique nature of water dissolvable conditions.

Benefits : Increases production of eggs and wight gain in Bio-available Calcium which provides strength to Egg shell thereby reduces Egg breakage. Compatible with all types of feed. It is a nutrient, safe & Non-Toxic product. Provides Bio available Gluconate, which provides potency & strength. Improves maintenance of life process compounds, thereby it provides better livability.

CHICKEN : **Broilers :** 50ml/1000 birds per day for last 3 weeks of batch. **Chicks :** 20ml/1000 birds per day. **Growers :** 30ml/1000 birds per day. **Layers :** 50 ml/1000 birds per day.

SMALL ANIMALS : **Sheep / Goat :** 2ml/Kg. of body weight. **Calf :** 50ml/day. **Dog :** 2ml/Kg. of body weight.

LARGE ANIMALS : **Cow /Buffaloes/Horses/Pigs :**100 to 150 ml. per animal per day.

PACKING : Protamin is available in 1 Lt., 5 Lt., & 220 Lts.

PRATHISTA ACID DROP



PRATHISTA 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.

PRATHISTA 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.

PRATHISTA 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 1-2 Kg / Tonne of feed.



www.prathista.com

PRATHISTA BIO - TECHNOLOGY INNOVATIONS



Mr. KVSS Sai Ram received the First National Award 2010 for Research and Development in MSME from her Excellency Honorable President of India Shri/mt. Pratibha Patil on 2nd September 2011 at Vigyan Bhawan, New Delhi.



International Achiever Award for Business Excellence Received by KVSS Sai Ram, President from Thai Chamber of Commerce at Bangkok, Thailand.



Mr. KVSS Sai Ram also received the Second National Award 2010 for Outstanding Entrepreneurship in MSME from Sri Vubhadra Singh, Union Minister for MSME on 2nd September 2011 at Vigyan Bhawan, New Delhi.

PRODUCTS FOR TOTAL CROP MANAGEMENT



UNIQUE FEED SUPPLEMENTS



PRATHISTA Crop Products are Approved as per APEDA, Ministry of Commerce - Govt. of India, OMRI - USDA, NSOP, NPOP & EU Standards

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