



MEHTA OVERSEAS INDIA

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(1) P.G.R HYDRO :-



P.G.R is Amino acid based Plant growth promoter. It contains amino acids in the form of protein hydrolysate derived from Vegetable Protein sources. P.G.R is first of its kind product manufactured by hydrolysis of vegetable protein sources by sophisticated state of art technology. The active nature of amino acids helps in chelating & better absorption of nutrients by the plant. P.G.R contains 30% Protein hydrolysate along with other Micro nutrients and Trace elements for increasing the productivity of the plant under all geographical conditions. P.G.R in granular form is formed by using natural clay as base material. The slow releasing nature of the base material makes the nutrient available to the plant for a longer duration.

RECOMMENDATION : Vegetables, Fruits, Cotton, Cereals, Horticultural Crop & all other crops.

ADVANTAGES

- Increases the yield and quality of the crop
- Enhances the flowering and reduces the flower drop
- Increases the chlorophyll content in the leaves leading to higher photosynthetic rate
- Increases the resistance power of the plant by strengthening the immune system
- Increases soil micro flora and improves the health of the soil
- Compatible to be used along with other fertilizers/pesticides

Method of Application & Dosage :

Liquid : Foliar Application : 2-3 ml / litre of water / **Drip Irrigation** : 1-1.5 liter/acre.

Granule : 5 – 10 kg / acre*.

*Dosages will vary based on various Geo climatic conditions and crops.

Packing : **Liquid** formulation is available in 250 ml, 500 ml, 1000ml packing.

Granular formulation is available in 5 kg packing.

(2) P.G.R PHOS :-



Phosphorus being the structural component of Nucleic acid & DNA, is essential for all Plants. Phosphorus plays a vital role in Photosynthesis, respiration & root development. Low level of Phosphorus within a plant causes stunted growth. In order to address the phosphorus deficiency, P.G.R Phos, as readily available form of Phosphorus. P.G.R Phos is a Protein Hydrolysate (Amino Acids) based plant nutrient having 14% Phosphorous (on DB). Amino acids act as carrier material which results in increased uptake of phosphorous by the plant. P.G.R Phos in granular form is formed by using natural clay as base material. The slow releasing nature of the base material makes the nutrient available to the plant for a longer duration.

RECOMMENDATION : Vegetables, Fruits, Cotton, Cereals, Horticultural Crop & all other crops.

ADVANTAGES

- Addresses the Phosphorus deficiency in all crops
- Promotes the development of the healthy primary roots & their subsequent branches
- Enhances flowering & increases fruits and seed production
- Effective for the healthy crop production & higher yields
- Helps in Photosynthesis & respiration
- Completely biodegradable & improves soil health
- Compatible to be used along with other fertilizers/pesticides

Method of Application & Dosage :

Liquid : Foliar Application : 2-3 ml / litre of water / **Drip Irrigation :** 1-1.5 liter/acre.

Granule : 20-25 kg / acre*.

*Dosages will vary based on various Geo climatic conditions and crops.

Packing : **Liquid** formulation is available in 250 ml, 500 ml, 1000ml packing.

Granular formulation is available in 10 kg 25 kg packing.

(3) P.G.R POTASH :-



Potassium is a major constituent within all living cell. It is an essential nutrient & is required in large amount by plants. Potassium acts to regulate water balance, nutrient & sugar movement in plant tissue, drives starch & protein synthesis, disease resistance and nitrogen fixation. To overcome all the major problem faced by using inorganic Potash, Mehta Overseas India have manufactured P.G.R Potash by Complexing Potassium with Gluconate & Amino acids. The active nature of amino acids & gluconate (Glucose) act as carrier material which results in increased uptake of Potassium in by the plant. P.G.R.Potash is available in both Liquid & granule form. P.G.R Potash in granular form is formed is by using

natural clay as base materials. The slow releasing nature of the base material makes the nutrient available to the plant for a longer duration.

RECOMMENDATION : vegetables, Paddy, Wheat, Maize, Fruits Cotton, Cereals, Horticultural Crop and all other crops.

ADVANTAGES

- Helps in photosynthesis & formation of energy-high compound (EHC), boots vegetative growth
- Increases the flower formation, fruit set, seed set & rate of maturity which result in higher yields
- Activates plant enzymes which help in the synthesis of carbohydrates, amino acids and protein
- Improves the colour of the fruits, thus increasing their market value & consumer acceptance
- Prolongs the shelf life of the produce
- Completely biodegradable and improves soil health
- Compatible to be used along with other fertilizers/pesticides

Method of Application & Dosage :

Liquid : Foliar Application : 2-3 ml / litre of water / **Drip Irrigation :** 1-1.5 liter/acre.

Granule : 20-25 kg / acre*.

*Dosages will vary based on various Geo climatic conditions and crops.

Packing : **Liquid** formulation is available in 250 ml, 500 ml, 1000ml packing.

Granular formulation is available in 10 kg 25 kg packing.

(4) P.G.R ZINC :-



Nitrogen, Phosphorus & Potassium play a very important role in crop nutrition. In addition to these major nutrients, Zinc is also essential for the plant growth and development. Zinc is required for normal photosynthesis and is directly/indirectly required by several enzyme systems and for protein synthesis. Zinc is needed for cell expansion. Carbohydrate and protein development as well as the production of root growth hormones. P.G.R. Zinc is combination of Gluconates and Amino acids fortified with Zinc in readily available form. Gluconates and Amino acids help the plant in better growth and also act as carrier for Zinc for plant uptake. P.G.R. Zinc is available in both Liquid and granule form. P.G.R. Zinc in granular form is formed by using natural clay as base

Material. The slow releasing nature of the base material makes the nutrient available to the plant for longer duration.

RECOMMENDATION : vegetables, Paddy, Wheat, Maize, Fruits Cotton & all other crops.

ADVANTAGES

- Addresses the Zinc deficiency in the crops
- Necessary for energy production, protein synthesis & growth regulation within plants
- Supports root growth & increase leaf size
- Necessary for the formation of chlorophyll and carbohydrates
- Increases Nitrogen uptake, Zinc Content and protein Contents in grain
- Increases the flower formation, fruit set, seed set & rate of maturity which results in higher yields
- Completely biodegradable and improves soil health
- Compatible to be used along with other fertilizers/pesticides

Method of Application & Dosage :

Liquid : Foliar Application : 2-3 ml / liter of water / **Drip irrigation** : 1-1.5 liter/acre.

Granule : 4-5 kg / acre*.

*Dosages will vary based on various Geo climatic conditions and crops.

Packing : **Liquid** formulation is available in 250 ml, 500 ml, 1000ml packing.

Granular formulation is available in 10 kg 25 kg packing.

(5) P.G.R MAGNESIUM:-



Magnesium is an indispensable mineral for plant growth, for it plays a major role in the production of chlorophyll, on which photosynthesis depends. Many critical physiological and biochemical processes in plants are adversely affected by magnesium deficiency, leading to impairments in growth and yield. P.G.R Magnesium is complex formed by Amino acids, Gluconates & Magnesium in readily available form for the plants. P.G.R Magnesium addresses the magnesium deficiency. Gluconates and Amino acids helps in better absorption of the mineral by the plant. P.G.R Magnesium is available in both Liquid and granule form. P.G.R Magnesium in granule form is formed by using natural clay as base material. The slow releasing natural of the base material makes the nutrient available to the plant for a longer duration.

RECOMMENDATION : Vegetables, Maize, Fruits, Cotton, Cereals, Horticultural Crop & all other crops.

ADVANTAGES

- Enhances synthesis of organic compounds which are useful for plant growth & functioning
- Helps in chlorophyll formation, hence increases the photosynthetic rate
- Increases the yield & quality of the produce

- Helps in Synthesis of amino acids & cell proteins
- Facilitates the utilization of other important nutrients by the plant
- Completely biodegradable and improves soil health
- Compatible to be used along with other fertilizers / pesticides

Method of Application & Dosage :

Liquid : Foliar Application : 2-3 ml / litre of water / **Drip Irrigation :** 1-1.5 liter/acre.

Granule : 10 kg / acre*.

*Dosages will vary based on various Geo climatic conditions and crops.

Packing : **Liquid** formulation is available in 250 ml, 500 ml, 1000ml packing.

Granular formulation is available in 10 kg packing.

(6) P.G.R HYDRO NPK:-



Plants require three major nutrients – Nitrogen, phosphors & Potassium for its growth & development. P.G.R. NPK is combination of Nitrogen, Phosphors, Potassium chelated with Amino acids. Nitrogen is the major component of amino acids, the critical element constituent of proteins and is necessary component in cell structure, plays very important role in cell division & reproduction. Phosphors is vital for adequate root development and helps the plant resist drought, It enhances flowering and increases fruit and seed production. Potassium Improves quality of seed and fruit. It also helps to improve crop resistance to lodging, disease & drought. P.G.R. NPK also contains other nutrients in required amount for better yield and quality.

RECOMMENDATION : Vegetables, Paddy, Wheat, , Fruits, Cotton, Cereals, Horticultural Crop and all other crops.

ADVANTAGES

- Promotes the development of the healthy primary roots & their subsequent branches
- Enhances the flowering and reduces the flower drop
- Helps in higher photosynthesis & boots vegetable growth
- Increases the yield & quality of the crop
- Increases the resistance power of the plant by strengthening the immune system
- Completely biodegradable & improves soil health
- Compatible to be used along with other fertilizers/ pesticides

Method of Application & Dosage :

Liquid : Foliar Application : 2-3 ml / litre of water / **Drip Irrigation :** 1-1.5 liter/acre.

Granule : 10 kg / acre*.

*Dosages will vary based on various Geo climatic conditions and crops.

Packing : **Liquid** formulation is available in 250 ml, 500 ml, 1000ml packing.

(7) P.G.R. GLUCOMET MINERAL MIX :-



P.G.R. Mineral Mix is unique combination of all the macro and micro nutrients required for the growth and development of the plant. Application of P.G.R. Mineral Mix results in higher yield and improved quality. P.G.R. Mineral Mix contain Nitrogen, Phosphors, Potassium, Calcium, Magnesium, Boron, Zinc, Molybdenum, copper, Iron, Sulphur, Manganese with Amino acids & Gluconates as base material. Due to the presence of Amino acids & Gluconnates, P.G.R. Mineral Mix is easily absorbed by the plants and it increases the size of the fruits and reduces flower/fruits drop thus increasing the yield. P.G.R. Mineral Mix is available

in both Liquid and granule form. P.G.R. Mineral Mix in granular form is formed by using natural clay as base material. The slow releasing nature of the base material makes the nutrient available to the plant for a longer duration.

RECOMMENDATION : Vegetables, Paddy, Wheat, , Fruits, Cotton, Cereals, Horticultural Crop and all other crops.

ADVANTAGES

- Increases the yield & quality of the crop
- Enhances the flowering and reduces the flower drop
- Helps in formation of chlorophyll, thus results in higher photosynthesis
- Promotes the development of the healthy primary roots & their subsequent branches
- Increases the resistance power of the plant by strengthening the immune system
- Completely biodegradable & improves soil health
- Compatible to be used along with other fertilizers/ pesticides

Method of Application & Dosage :

Liquid : Foliar Application : 2-3 ml / litre of water / **Drip Irrigation :** 1-1.5 liter/acre.

Granule : 10 kg / acre*.

*Dosages will vary based on various Geo climatic conditions and crops.

Packing : **Liquid** formulation is available in 250 ml, 500 ml, 1000ml packing.

Granular formulation is available in 10 kg bags.

(8) P.G.R (CROP SPECIALITY FORMULATIONS) :-



P.G.R Ltd. has various crop specific (cotton, vegetable, paddy, sugarcane, Fruits, Spices, Isabgol, Cereal) formulations. These formulations have been developed based on the P.G.R deficiencies in these crops.

P.G.R FRUIT SPECIAL

RECOMMENDATION : It is recommended to be used for Banana, Grapes, Mango, pear, Apple, Watermelon, Oranges, Lemon & all other fruits.

ADVANTAGES

- Increases the yield and quality of the fruits
- Increases seed set & fruits set
- Helps in flower development and pollen germination
- Helps in colour enhancement & increases shelf life of the produce
- Increases the chlorophyll content in the leaves leading to higher photosynthetic rate
- Increases soil micro flora and improves the health of the soil
- Compatible to be used along with other fertilizers/pesticides

(9) P.G.R SUGARCANE SPECIAL:-



RECOMMENDATION : it is recommended for Sugarcane crop

ADVANTAGES

- Increases the yield and quality of the fruits
- Required for vegetative growth, i.e., tillering, foliage formation
- Increases the chlorophyll content in the leaves leading to higher photosynthetic rate
- Increases soil micro flora and improves the health of the soil
- Compatible to be used along with other fertilizers/pesticides

(10) P.G.R COTTON SPECIAL:-



RECOMMENDATION : it is recommended for cotton crop

ADVANTAGES:

- Increases the yield and quality of the fruits
- Increases the number of bolls and reduces boll shedding
- Increases the chlorophyll content in the leaves leading to higher photosynthetic rate
- Prevents from Chlorosis & Leaf reddening diseases
- Increases soil micro flora and improves the health of the soil
- Compatible to be used along with other fertilizers/pesticides

(11) P.G.R –VEGETABLE SPECIAL:-



RECOMMENDATION : it is recommendation for Potato, Tomato, Onion, Ginger, Brinjal, Carrot & other Such crops.

ADVANTAGES

- Increases the yield and quality of the fruits
 - Enhances the flowering and reduces the flower drop
 - Reduces leaf drop and flower drop
 - Required for vegetative growth,i.e., tillering, foliage formation
 - Increases the chlorophyll content in the leaves leading to higher photosynthetic rate
 - Increases soil micro flora and improves the health of the soil
- Compatible to be used along with other fertilizers/pesticides

(12) P.G.R – PADDY SPECIAL:-



RECOMMENDATION : it is recommended for Paddy crop

ADVANTAGES

- Increases the yield and quality of the fruits
- Increases the tillering in the rice plants
- Improves the quality of the grains
- Helps in the Panicle development
- Increases the chlorophyll content in the leaves leading to higher photosynthetic rate
- Increases soil micro flora and improves the health of the soil
- Compatible to be used along with other fertilizers / pesticides