



1NE BRAND TOTAL SOLUTION

FOR ALL CROPS



- **FERTILIZERS**

- ▶ MAJOR NUTRIENTS
- ▶ SECONDARY NUTRIENTS
- ▶ MICRONUTRIENTS
- ▶ MULTI-MICRONUTRIENTS

- **BIOSTIMULANTS**

- **BENEFICIAL ELEMENT FERTILIZER**
- **WATER pH BALANCER**
- **PLANT GROWTH REGULATORS**

- **PLANT BIO-ACTIVATORS**

- **STICKING / WETTING / SPREADING AGENT**

Farmers' first choice since 1974



We have introduced Multi Micronutrients in the year 1974 to the Indian Farmers to improve the soil fertility and health of the crops and increase the yield. We have great pleasure to inform that we have created awareness about the use of micronutrients among farmers by way of conducting farmers meeting, field demonstration and group discussion with farmers all over the country.

We are also exporting our products to 10 to 12 different countries and the farmers in those countries are not fully aware of the use of micronutrients. In this regard, we appreciate Government of India for formulating State Level Fertilizer Committee to look after and fix up micronutrient grades for different crops in their respective states. This kind of arrangement may be first of its kind in the world as far as use of micronutrients in agriculture is concerned.

Since 1974, we are supplying specified grades of micronutrients for different crops and we are marketing our products throughout the country through our own 27 branches, spread across the country.

In India, micronutrient deficiencies are wide spread in soils and the deficiency of different nutrients are as follows: Zinc about 70%, Ferrous 27%, Boron 19% and Manganese 14% on all India basis. In other words, during 1970-80 most of the crops used to show the hunger signs or micronutrient deficiency. Unfortunately, in addition to crop plants, today we see the micronutrient deficiency among the human beings also. As a result of which many people suffer from arthritis, impotence, anemia, cancer and other complicated diseases. The food grains, vegetables and fruits we consume are not containing balanced nutrition. Therefore, it is most important to supply balanced nutrients to the crop plants so that we will get quality produce from the Farm.

We are glad to present all our products such as Major, Secondary, Micronutrients, Multi-micronutrients, Biostimulant, Beneficial Element Fertilizer, Water pH Balancer, Plant Growth Regulators, Plant Bio-activators and Sticking / Wetting / Spreading Agent for different crops along with method of use and their benefits so that it will be a ready reference for our distributors, dealers and farmers. We wish all our associates, well-wishers and farmers to take note of the above and try to grow quality produce and thereby improve the health of the people and also the nation.

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FERTILIZERS

MAJOR NUTRIENT FERTILIZERS

Multiplex PRAMUKH

COMPOSITION: Contains Nitrogen (N), Phosphorous (P), Potassium (K), in the ratio of 19:19:19.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 3.0 to 5.0 g per litre of water and spray on leaves. **Fertigation:** Apply 2 to 3 kg of Multiplex Pramukh per acre through drip irrigation.

BENEFITS: Multiplex Pramukh is a 100% water soluble NPK fertilizer. Hence, it is easily available to the plants. Its foliar spray helps in immediate absorption thereby increasing the yield & quality of produce. It also helps in drought resistance.

AVAILABLE PACKING: 1 kg, 5 kg & 25 kg.

POWDER



Multiplex MULTI-PK

COMPOSITION: Contains 52% Phosphorous 34% Potassium in 100% water soluble form.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 3.0 to 5.0 g per litre of water and spray on both the surface of the leaves. **Fertigation:** 2 to 3 kg per acre.

BENEFITS: Application of Multiplex Multi-PK fertilizer either through foliar spray or fertigation will help in better nutrient uptake and thereby increases the yield and quality of the produce.

AVAILABLE PACKING: 500g, 1 kg & 25 kg

POWDER



Multiplex TWIN

COMPOSITION: Contains 13% Nitrogen & 45% Potassium

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 3.0 to 5.0 g per litre of water and spray on both the sides of the leaf.

BENEFITS: When applied as a foliar spray helps the crops to resist diseases, enhances photosynthesis, provides better resistance to drought and frost and thus improves the health of the plant. It also enhances grain weight and thereby increases yield.

AVAILABLE PACKING: 500 g, 1 kg, 5 kg & 25 kg.

POWDER





MAJOR NUTRIENT FERTILIZERS

Multiplex ONLY-K

COMPOSITION: Contains 50 percent Potassium as K_2O , which is 100% water soluble. Hence, it is easily available to the plants. It also provides sulphur in soluble form.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 3 to 5 g per litre of water and spray on the both surface of the leaves. **Fertigation:** Apply 2 to 3 kg per acre.

BENEFITS: Multiplex ONLY-K helps in better absorption of Potassium & Sulphur. Improves fruit development, oil content in seeds, size and color of the fruit, also helps in plant growth, maturity and enhances yield both by quality and quantity.

AVAILABLE PACKING: 500g, 1 kg, 5 kg & 25 kg.

POWDER



CROP: All crops.

Multiplex NP-PLUS

COMPOSITION: Contains 12% Nitrogen & Phosphorus 61% in 100% water soluble form.

DOSAGE & METHOD OF APPLICATION: Dissolve 4 to 5 grams in one litre of water and spray on plants. **Fertigation:** Use 1 to 3 kg of Multiplex NP-Plus per acre either through drip or through sprinkler system of irrigation.

Note: Multiplex NP-Plus should not be mixed with Calcium and Magnesium containing fertilizer.

BENEFITS: It contains Nitrogen and Phosphorus which are in easily soluble and available form. It improves root, shoot growth along with health of the plants. Reduces flower drop and increases fruit setting. Improves the yield both by quality and quantity

AVAILABLE PACKING: 500g, 1 kg & 25 kg.

POWDER



CROP: All crops.

Multiplex TRISHAKTHI

COMPOSITION: Contains Potassium Schoenite having Potassium (as K_2O) 23%, Magnesium (as MgO) 11% and Sulphur 16% in 100% water soluble form.

DOSAGE & METHOD OF APPLICATION: **Soil Application:** Use 25 kg Multiplex Trishakthi per acre at the time of land preparation/ sowing/ transplantation and at fruit development stage. **Foliar Spray:** Dissolve 5 grams in one litre of water and spray liberally on leaves. 2 to 3 sprays are recommended at an interval of 25 to 30 days. **Fertigation:** Apply 5 kg of Multiplex Trishakthi per acre.

BENEFITS: Multiplex Trishakthi which is easily absorbed by plants, helps in better assimilation of absorbed nutrients. Increases synthesis of amino acids and protein, enhances oil content in the seeds. Increases the yield both by quality and quantity.

AVAILABLE PACKING: 1 kg & 25 kg.

POWDER



CROP: All crops.



SECONDARY NUTRIENT FERTILIZERS

CHELATED

Multiplex PUSTI Ca

COMPOSITION: Calcium chelated with EDTA (Ethylene Diamine Tetra Acetic Acid) - 10.0 %.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: **Foliar Application:** Dissolve 0.5 g in a litre of water and spray on both the surface of leaves.

BENEFITS: Calcium is responsible for the structural and physiological stability of plant tissue and hence makes plant leaves green and healthy.

In general Multiplex Calcium EDTA reduces blossom end rot in case of Tomato, reduces bitter pit in apples etc. It increases quality and yield in all crops.

AVAILABLE PACKING: 100 g, 250 g, 500 g & 1 kg

POWDER



Multiplex MOTI Mg

COMPOSITION: Magnesium chelated with EDTA (Ethylene Diamine Tetra Acetic Acid) - 6.0 %.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 0.5 g in a litre of water and spray on both sides of the leaf 30 days after germination / transplantation.

BENEFITS: Resist plants to diseases and enhances the activity of absorption of other nutrients from the soil, corrects magnesium deficiency quickly. It increases the yield and quality of produce.

AVAILABLE PACKING: 100 g, 250 g & 1 kg

POWDER





SECONDARY NUTRIENT FERTILIZERS

NON-CHELATED

Multiplex NITROCAL (Calcium Nitrate)

COMPOSITION: Contains Calcium 18.8 % and Nitrogen 15.5 %

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: **Foliar spray:** Dissolve 4.0 - 5.0 g of Multiplex Nitrocal per litre of water and spray on both the surfaces of leaves. Spray atleast 2-3 sprays during the cropping season. **Soil application:** Apply 25 kg of Multiplex Calcium Nitrate per acre, in 5 split doses.

BENEFITS: Calcium Nitrate application controls bitter pit disease in apple, spongy tissue in mango, fruit cracking in lemon and other fruit crops. It also helps to increase the shelf life of fruits.

AVAILABLE PACKING: 25 kg & For Foliar Spray - 1 kg

GRANULE



Multiplex CHLOROCCAL

COMPOSITION: Contains Calcium 27%

CROP: Cereals, Oats, Legumes, Brassica, Tomato, Groundnut, Tobacco, Cotton, Tea, Mango, Citrus, Grapevine, Apple and Flowers.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 4.0 - 5.0 g per litre of water. Spray at least 2-3 sprays during the cropping season.

NOTE: After harvesting the apple fruits, make 0.5 % solution of chlorocal and apply on harvested fruits to increase the keeping quality and control bitter pits in the storage.

BENEFITS: CHLOROCCAL controls bitter pit disease in apple, reduces spongy tissues in mango and fruit cracking in lemon. In general increases the keeping quality of fruits.

AVAILABLE PACKING: 500 g, 1 kg, 5 kg & 25 kg

POWDER





SECONDARY NUTRIENT FERTILIZERS

Multiplex MULTICAL-G

COMPOSITION: Contains Calcium 30% in the form of De-Hydrated Granules

CROP: Cereals, Oats, Legumes, Brassica, Tomato, Groundnut, Tobacco, Cotton, Tea, Mango, Citrus, Grapevine, Apple and Flowers.

DOSAGE & METHOD OF APPLICATION: Dissolve 500 g of Multiplex Multical-G in 200 litres of water and Spray on both the surfaces of leaves.

BENEFITS: Helps to build structure and maintains stability in plant cells. It acts as buffer in plants and ameliorates the toxic effects of other nutrients, it Overcomes the calcium deficiencies causing bitter pit disease in apple, blossom end rot in tomato and spongy tissue in mango. Improves pegging and pod formation in groundnut.

AVAILABLE PACKING: 1 kg

GRANULES



Multiplex FERTISULPH-G / FERTISULPH 90 W.G.

COMPOSITION: Contains Sulphur 90% in granular & powder form.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Use 5 kg per acre for field crops and 10 kg per acre for tea and other plantation crops.

BENEFITS: Sulphur plays an important role in synthesis of amino acids like cystine, cysteine & methionine. Enhances photosynthesis, oil production in oil seed crops & helps in increasing the nutritional quality in forage crops.

AVAILABLE PACKING: 5 kg

POWDER & GRANULAR



Multiplex LIQUID SULPHUR

COMPOSITION: Contains Sulphur 20%

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Mix 2.5 ml in a litre of water and spray on plants either in the morning or in the evening.

NOTE: In sulphur deficient plants, younger leaves turn yellowish green or chlorotic. Shoot growth is restricted and diameter of stem is reduced.

BENEFITS: Multiplex Liquid Sulphur keeps the plant healthy and vigorous and thus increases the yield and quality of produce. It induces frost resistance in winter crops and also disease and pest tolerance.

AVAILABLE PACKING: 250 ml, 500 ml, 1 Litre, 5 Litres & 20 Litres

LIQUID





SECONDARY NUTRIENT FERTILIZERS

Multiplex MULTIMAG / MAGNESIUM SULPHATE

COMPOSITION: Contains Magnesium 9.5%

MULTIPLEX MULTIMAG

AVAILABLE PACKING: Foliar spray - 1 kg

MULTIPLEX MAGNESIUM SULPHATE

AVAILABLE PACKING: Soil Application - 5 Kg, 10 Kg, 25 Kg, 50 Kg

CROP: All crops

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 3.0 - 5.0 g of Multiplex Multimag per litre of water. First spray 20 - 25 days after transplantation. Repeat another two sprays at an interval of 10 - 15 days and give 2-3 sprays during cropping seasons. In case of cotton 3 sprays are helpful in controlling red leaf disease. **Soil Application:** For field crops and oil seed crops 20 - 25 kg of Multiplex Magnesium Sulphate/ acre. **Plantations:** 150 - 200 g per tree per annum.

NOTE: Magnesium deficiency occurs in areas with high rainfall or wet regions, especially in light and acid soils.

BENEFITS: Magnesium is the central atom of chlorophyll. Magnesium is necessary to achieve high concentrations of starch in potatoes, sugar beet and fats in oil seeds.

POWDER



Multiplex SAMRUDDHI / SAMRUDDHI PLUS

COMPOSITION: Contains secondary nutrients such as Calcium, Magnesium and Sulphur

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Apply 50 kgs per acre at the time of sowing/ transplanting (Field crops). For plantation crops apply 150 - 250 g per plant during May/ June & also in the month of August/ September

BENEFITS: Multiplex Samruddhi improves soil characteristics, such as structure of soil particles, controls soil reaction and base saturation as it contains secondary nutrients in large quantity. Regulates the soil pH. As magnesium is a constituent of chlorophyll it increases the rate of photosynthetic activity. The sulphur in the mixture reduces salinity of the soil and increases the oil content in the produce.

AVAILABLE PACKING: 10 kg, 25 kg, 40 kg & 50 kg

POWDER & GRANULAR





MICRONUTRIENT FERTILIZERS

CHELATED

Multiplex SWARNA Zn

COMPOSITION: Contains Zinc (Zn) 12.0% in the form of Zn EDTA (Ethylene Diamine TetraAcetic Acid)

POWDER - SOIL APPLICATION

CROPS: Can be used for all crops and on all kinds of soil. But deficiencies are mostly noticed in paddy, grapes, citrus, wheat, maize, cotton, potato, tomato, onion etc.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 0.5 g in one litre of water and spray on both the surface of leaves. Avoid spraying between 11 AM and 3 PM since Zinc EDTA is sensitive to sunlight exposure. **Soil Application:** 10 kg per acre and apply during sowing or transplantation.

BENEFITS: Zinc promotes growth of hormones & helps in starch formation. It helps to promote seed maturation & production. It is also required by several enzyme systems, Auxins & for protein synthesis.

AVAILABLE PACKING: 50 g, 100 g, 250 g, 500 g & 1 kg



Multiplex RUBY Fe

COMPOSITION: Contains Ferrous (Fe) 12.0% in the form of Fe EDTA (Ethylene Diamine TetraAcetic Acid)

POWDER

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 0.5 g in one litre of water and spray on both the surfaces of leaves.

CAUTION: Store in cool, Dry place.

BENEFITS: Iron is required in chlorophyll formation. It plays a crucial role in oxidation-reduction reactions, Nitrate reduction, Sulphate reduction, N-fixation, N & S assimilation, etc. It also helps in increasing the defense enzymes in plants.

AVAILABLE PACKING: 50 g, 100 g, 250 g, 500 g & 1 kg





MICRONUTRIENT FERTILIZERS

Multiplex MAGNUM Mn

COMPOSITION: Contains Manganese (Mn) 12.0% in the form of Mn EDTA (Ethylene Diamine Tetra Acetic Acid)

CROPS: All field crops & Horticultural crops.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 0.5 g in one litre of water and spray on both the surface of the leaves. Spray should be done preferably in the morning or in the evening. Use suitable wetting agent.

CAUTION: Store in a cool, Dry place

BENEFITS: Manganese helps in photosynthesis, carbohydrate & N metabolism & assimilation. Activates (Catalyst's role) decarboxylase, dehydrogenase & oxidase systems in creb's cycle. It helps in translocating other nutrient ions as they enter the plant cell & direct them to their respective positions, where they carry out their functions in plant. It is essential for splitting the water molecule during photosynthesis. It resists the virus multiplication in the plant system.

AVAILABLE PACKING: 50 g, 100 g, 250 g, 500 g & 1 kg

POWDER



Multiplex NEEL Cu

COMPOSITION: Contains Copper (Cu) 12.0% in the form of Cu EDTA (Ethylene Diamine Tetra Acetic Acid)

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 0.5 g in a litre of water and spray on both the surface of leaves. Spray should be done preferably in the morning or in the evening. Use suitable wetting agent.

CAUTION: Store in cool, Dry place

BENEFITS: Copper helps in enzymatic activity (ascorbic acid oxidase & other oxidase enzymes). It helps in chlorophyll formation, N-fixation, protein and carbohydrate metabolism. It also helps in maintaining the integrity of cell wall. It helps to kill the fungal spores detrimental to plants.

AVAILABLE PACKING: 50 g, 100 g, 250 g, 500 g & 1 kg

POWDER





MICRONUTRIENT FERTILIZERS

NON-CHELATED

Multiplex MULTI-Zn / ZINC SULPHATE

COMPOSITION: Contains Zinc 21.0 %.

POWDER

MULTIPLEX MULTI-Zn

AVAILABLE PACKING: Foliar -1 kg

MULTIPLEX ZINC SULPHATE

AVAILABLE PACKING: Soil Application - 5 Kg, 10 Kg, 25 Kg & 50 Kg

CROP: All crops

DOSAGE & METHOD OF APPLICATION: **Soil Application:** Apply minimum 5.0 kg per acre at the time of sowing or transplanting. For horticulture crops, apply 50 - 75 g per tree/ palm, once in six months. **Foliar Application:** Dissolve 3.0 g in one litre of water and spray on both surface of the leaves.

BENEFITS: Zinc promotes growth hormones and starch formation. It promotes seed maturation and production. It is required by several enzyme systems and auxins in protein synthesis. It also improves disease resistance in plants.



Multiplex ZINC PARAM / MULTI ZINC

COMPOSITION: Contains Zinc 33%

POWDER & GRANULAR

MULTIPLEX ZINC PARAM

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 2.5 g of Zinc Param (Powder) in one litre of water and spray on both the surfaces of the leaves. Give at least two sprays. **First spray:** 30 or 35 days after sowing/ transplantation. **Second spray:** 20 days after first spray. **Soil Application:** Apply 4 kgs of Zinc Param (Granular) per acre for all crops.

AVAILABLE PACKING: Foliar (Powder): 250 g, 500 g, 1 kg & 4 kg
Soil Application (Granular): 2 kg & 4 kg

MULTIPLEX MULTI ZINC

DOSAGE & METHOD OF APPLICATION: Apply 5 to 10 kg per acre for field crops and for plantation crops 100 to 150 g per plant per annum.

BENEFITS OF ZINC PARAM & MULTI ZINC: Controls physiological disorders like little leaf of apple, mottle leaf or frenching of citrus, sickle leaf of cocoa, rosetting of apple and rubber, white bud in maize, rosetting in cotton, iron rust/ bronzing/ khaira disease in rice. Improves the quality & quantity of the yield by about 20 to 30%

AVAILABLE PACKING: Soil Application - 5 kg & 10 kg



CROP: All crops



MICRONUTRIENT FERTILIZERS

Multiplex ZINMAX

COMPOSITION: Contains Zinc 39.5% in the form of Zinc Oxide Suspension Concentrate

CROP: All crops

DOSAGE & METHOD OF APPLICATION: Dissolve 1.5 ml to 2 ml of Multiplex Zinmax in one litre of water and spray on both surfaces of the leaves.

BENEFITS: It is a stable suspension concentrate formulation containing high concentration of Zinc for Foliar Application. It eliminates the Zinc deficiency in Plants, it aids in absorption of nutrients. It Improves the quality and quantity of the yield by about 20-30 %

AVAILABLE PACKING: 250ml, 500 ml & 1 litre

LIQUID



Multiplex BORON / BORAX / MEGABOR

COMPOSITION: Contains 10.5 % Boron

MULTIPLEX BORON

AVAILABLE PACKING: Foliar application - 500 g, 1 kg & 4 kg

MULTIPLEX BORAX

AVAILABLE PACKING: Soil application - 5 kg, 10 kg, 25 kg, 50 kg

MULTIPLEX MEGABOR

AVAILABLE PACKING: Soil application - 2 kg

CROPS: Field crops, Plantation crops, Fruit crops and Vegetable crops.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 2.5 g in one litre of water and spray on both sides of leaves. Two sprays are recommended, **First spray:** 30 days after germination/transplantation. **Second spray:** 20 days after first spray. Use Multiplex Maxiwet as spreading agent for better absorption. **Soil application:** In case of deficient soil 2.5 kg per acre of Multiplex Borax can be applied.

BENEFITS: Boron is an indispensable plant nutrient which is needed for all crops. It controls flower and fruit shedding, increases sweetness, size and yield of the crop.

POWDER & GRANULAR





MICRONUTRIENT FERTILIZERS

Multiplex ALLBOR / MADURA / MADHURA PLUS

COMPOSITION: Contains 20% Boron in water soluble form.

POWDER

MULTIPLEX ALLBOR

AVAILABLE PACKING: 20 g, 50 g, 100 g, 250 g, 500 g & 1 kg

MULTIPLEX MADURA

AVAILABLE PACKING: 250 g

MULTIPLEX MADHURA PLUS

AVAILABLE PACKING: 1 kg

CROPS: For all fruit and vegetable crops.

DOSAGE & METHOD OF APPLICATION:

Foliar Spray: Dissolve 1.0 g in one litre of water. **First spray:** Just before flowering and **Second spray:** 10 -12 days after first spray. Two sprays during the cropping season are enough to meet the boron requirement of the crop.

NOTE: Application of all boron products should be applied cautiously, because the gap between deficiency and sufficiency is very narrow as far as boron requirement of the plant is concerned. If a small quantity of boron is applied extra, the crop production may be reduced instead of increase as boron in excess will become toxic to the plants.

BENEFITS: It helps to control flower shedding. It's application increases sweetness, size, colour and yield of the crop.



Multiplex ALLBOR+

COMPOSITION: Contains 20 % Boron

POWDER

CROP: All crops

DOSAGE & METHOD OF APPLICATION: Dissolve 1 to 5 g of Multiplex Allbor + in one litre of water and Spray on both the surface of leaves. We Recommend three sprays during critical growth and development stages of crops. First Spray 15 to 20 days after transplanting/sowing. Second Spray during flower initiation. Third spray during the fruit development stage.

Multiplex Allbor + is suitable for soil application either through direct application or through fertigation.

BENEFITS: It is easily soluble in water. It increases the pigmentation and water retention capacity in leaves. It increases root elongation in seedlings, regulates growth hormones, it increases flower initiation and fruit setting. It enhances grain filling, sugar content of fruits and size of fruits.

AVAILABLE PACKING: 100g, 250g, 500 g & 1 kg





MICRONUTRIENT FERTILIZERS

Multiplex IRON / FERROUS SULPHATE

COMPOSITION: Contains Ferrous Iron 19%

POWDER

MULTIPLEX IRON

AVAILABLE PACKING: Foliar - 1 kg

MULTIPLEX FERROUS SULPHATE

AVAILABLE PACKING: Soil Application - 5 kg, 10 kg, 25 kg & 50 kg

CROPS: Maize, Cabbage, Sugarcane, Groundnut, Peach, Apple, Citrus, Berry, Grape vines, Maize, Sorghum, Soybean, Strawberries, Raspberry.

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 2.5 g of Multiplex Iron in one litre of water and spray liberally on both surfaces of the leaves. **Soil Application:** Apply 10 kg of Multiplex Ferrous Sulphate per acre for all crops.

BENEFITS: Iron is important in photosynthesis and is also involved in carbohydrate breakdown in mitochondria. Application of Multiplex Ferrous Sulphate gives normal growth and high quality yields.



Multiplex COPPER SULPHATE

COMPOSITION: Contains Copper 24%

POWDER

CROPS: Cereals, Maize, Wheat, Peas, Cabbage, Onion, Pepper, Tomato, Apple, Chrysanthemum.

DOSAGE & METHOD OF APPLICATION: **Powder:** (Preparation of 1% Bordeaux Mixture). Dissolve 1.0 kg of Multiplex Copper Sulphate in 50 litres of water and 1.0 kg of Calcium carbonate/ any lime source, dissolved in 50 litres of water in another container and pour both into a third container by mixing continuously and solution becomes neutral.

BENEFITS: Multiplex Copper Sulphate overcomes Copper deficiency in plants and controls mildew disease also.

AVAILABLE PACKING: 1 kg, 25 kg & 50 kg





MICRONUTRIENT FERTILIZERS

Multiplex MANGANESE / MANGANESE SULPHATE

COMPOSITION: Contains Manganese 30.5 %

MULTIPLEX MANGANESE

AVAILABLE PACKING: Foliar - 500 g & 1 kg

MULTIPLEX MANGANESE SULPHATE

AVAILABLE PACKING: Soil application - 5 Kg, 10 Kg, 25 Kg, 50 Kg

CROP: All crops.

DOSAGE & METHOD OF APPLICATION:

Foliar Spray: Dissolve 2.5 g of Multiplex Manganese in one litre of water and spray liberally on both the sides of the leaves. After 30 days of germination, repeat the sprays at 20 days interval. Three sprays are recommended.

Soil Application: Apply 10 kg of Multiplex Manganese Sulphate for all crops per acre.

BENEFITS: Manganese is used more particularly in photosynthesis. It also regulates auxin levels by auxin oxidase system. Disintegration of chloroplast occurs in manganese deficient leaves. Multiplex Manganese develops disease resistance and improves quality of seeds.

NOTE: Use minimum 2-3 sprays of Manganese Sulphate for all cereal crops, these crops requires more manganese for higher yield.

POWDER



Multiplex MOLYBDENUM

COMPOSITION: Contains Molybdenum 52 %

CROP: All crops.

DOSAGE & METHOD OF APPLICATION:

Foliar Spray: Dissolve 0.5 g in one litre of water and spray on leaves liberally 30 days after germination / transplantation.

Seed Treatment: Apply about 10 g per kg of seed. Use Maxiwet/ Nagastha - 180 as sticking/ spreading agent for better absorption.

BENEFITS: Molybdenum increases Nitrogen fixation, enhances absorption of other nutrients from the soil and seed treatment with molybdenum is beneficial for all types of leguminous plants / vegetables. Early applications of Molybdenum to cucumber, water melon etc., increases yield.

AVAILABLE PACKING: 100 g

POWDER





MULTI-MICRONUTRIENT FERTILIZERS

CHELATED

Multiplex PROKISSAN

COMPOSITION: It contains all the micronutrients like Zinc, Iron, Manganese, Copper in chelated form, while Boron and Molybdenum in non chelated form.

CROPS: All fruit crops, cotton, potato, tomato, other field crops, etc.,

DOSAGE & METHOD OF APPLICATION: Dissolve 1.0 g in one litre of water and spray liberally on both sides of the leaf. For all field crops, 2 to 3 sprays are recommended.

First spray: 25-30 days after transplanting / sowing.

Second spray: 20 days after first spray.

Third spray: 20 days after second spray.

BENEFITS: Multiplex Prokissan keeps the plant healthy and resistant to fungal and bacterial diseases. At the same time corrects the deficiencies related to micronutrients, thus helps in increasing the yield.

AVAILABLE PACKING: 100 g, 250 g, 500 g, 1 kg & 4 kg

POWDER



Multiplex BTC (FOR COTTON)

COMPOSITION: Contains Chelated nutrients

CROP: Cotton

DOSAGE & METHOD OF APPLICATION: Dissolve 2.0 g in one litre of water and spray on both surfaces of the leaves.

First spray: 30 days after sowing

Second spray: 15 days after first spraying

Third spray: 15 days after second spraying

BENEFITS: Multiplex BTC helps in increasing number of bolls per plant, reducing boll dropping and increases yield. It helps in the production of various enzymes, for energy production, protein synthesis, growth regulation. Also helps in the translocation and deposition of free sugars into the maturing bolls which in turn helps in development and elongation of fibers.

AVAILABLE PACKING: 250 g, 500 g, 1 kg & 4 kg

POWDER





MULTI-MICRONUTRIENT FERTILIZERS

NON-CHELATED

Multiplex GENERAL LIQUID

COMPOSITION: It contains secondary nutrients like Calcium, Magnesium, Sulphur and micronutrients like Manganese, Zinc, Copper, Iron, Boron and Molybdenum in the balanced and easily available form.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION:

For field crops: Apply 2.5 ml per litre of water.

For field and vegetable crops: **First spray:** 20-25 days after sowing /transplanting. **Second spray:** 15 - 20 days after first spray. Third spray before plant maturation or fruit development stage.

For horticultural crops: Spray 20 - 30 days before flowering and second spray after fruit set. (i.e. when fruit attains bean size).

BENEFITS: High yielding varieties with short duration will encounter more nutrients deficiency which might occur for reasons beyond the control of farmers, resulting in decreased yield of high yielding crops. The application of Multiplex General Liquid will initiate flowering, improves the setting up of flowers, correct the deficiencies by eliminating the hidden hunger and develops resistances against diseases, which lead to increased yield.

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml, 1 Litre, 5 litres & 20 litres

LIQUID



Multiplex ALL CROPS

COMPOSITION: Consists of all micronutrients, grades varies for each state.

DOSAGE & METHOD OF APPLICATION: Dissolve 3.0 g in one litre of water and spray on both the surfaces of the leaves. Three sprays should be given and spray solution requirement varies at different stage of crop.

First spray: after 20 days of sowing / transplantation. **Second spray:** 25 days after first spray **Third spray:** at the time of blooming/ flowering

Soil Application: For field crops 5 - 10 kg of Multiplex All Crops/ acre. Plantations: 100 - 150 g per tree per annum.

BENEFITS: Multiplex All crops helps in overcoming the deficiency of micronutrients in plants, thereby not only attain higher yield, but also better quality produce.

AVAILABLE PACKING: Foliar application: 500 g & 1 kg

Soil application: 5 kg, 10kg & 25 kg

POWDER - SOIL APPLICATION



CROP: All crops.



MULTI-MICRONUTRIENT FERTILIZERS

Multiplex SAMBRAMA

COMPOSITION: This contains all essential plant nutrients like major nutrients - N, P, K; secondary nutrients-Ca, Mg, S and micronutrients like Zinc, Manganese, Iron, Copper, Boron & Molybdenum. Most of the nutrients are in chelated form

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve one Tablet of 5g Multiplex Sambrama in 15 litres of water and spray on both surface of the leaves.

First spray : 30 - 35 days after germination.

Second spray: 15 days after first spray.

BENEFITS: It increases the initial vigour of plants and induces disease & pest resistance. Helps plants to resist changes in environment like stress in a better way. Improves the growth, yield and quality of the produce significantly encouraging visual effects can be seen within 6 - 7 days after the spray of Multiplex Sambrama.

AVAILABLE PACKING: Strip of 10 tablets of 5 gm each, Jar of 90 pouches, Milk can with 360 tablets & 50g tablets.

TABLET



Multiplex KRANTI

COMPOSITION: Contains essential plant nutrients (Major, Secondary and Micronutrients). Most of the nutrients are in chelated form

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 2 to 2.5 ml of Multiplex Kranti in one litre of water and spray on both surface of the leaves.

First spray : 30 to 35 days after germination.

Second spray: 15 days after first spray.

NOTE: For better result it is advisable to use suitable wetting and dispersing agent like Multiplex Maxiwet 1.0 ml per litre of spray solution of Multiplex Kranti.

BENEFITS: It increases the initial vigour of plants and induces disease & pest resistance. Helps plants to resist changes in environment like stress in a better way. Improves the growth, yield and quality of the produce significantly encouraging visual effects can be seen within 6 to 7 days after the spray of Multiplex Kranti. Compatible with majority of pesticides, fungicides and fertilizers that are commonly used

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml & 1 litre

LIQUID





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex CHAMAK

COMPOSITION: Contains Calcium and Boron

CROPS: Vegetable crops like Cabbage, Potato, Tomato, Fruit crops like Grape, Pomegranate, Apple, Watermelon, Papaya, Mango, Litchi, Cherry and oilseed crops like Groundnut, Pulses, Sunflower, Cucurbits, etc.,

DOSAGE & METHOD OF APPLICATION: Dissolve 3.0 g in one litre of water and spray on both sides of the leaf and fruits.

BENEFITS: A combination of Calcium and Boron rich product helps in pollination, improves flower & fruit setting, resulting in quality produce and higher yield.

AVAILABLE PACKING: 100 g, 250 g, 500 g & 1 kg

POWDER



Multiplex CHAMAK +

COMPOSITION: Contains Calcium and Multi Micronutrients

CROP: For Vegetables and Fruits like Cabbage, Potato, Tomato, Grape, Cucurbits, Pomegranate, Apple, Watermelon, Papaya, Mango, Litchi, Cherry and Oilseed crops like Groundnut, Pulses, Sunflower etc.,

DOSAGE & METHOD OF APPLICATION: **Drip Irrigation:** Mix 1 litre of Multiplex Chamak + in 200 litres of water & feed through drip. We recommend two to three applications during flowering and fruit development stage. **Foliar Spray:** Dissolve 3 ml of Multiplex Chamak + in one litre of water and spray on both the surfaces of the leaves and on fruits.

We recommend 2 to 5 sprays depending upon the crop at an interval of 15 to 20 days between the sprays beginning with flower initiation. For better results mix Multiplex Maxiwet at one ml or Multiplex Nagastha-180 at 0.3 ml per litre of prepared spray solution.

BENEFITS: It contains Calcium and Micronutrients in liquid which are in easily available and absorbable form. It helps in better pollination, prevents spongy tissue disease in mango, bitter pit in apple and blossom end rot in solanaceous crops, improves pegging and pod formation in ground nut, enhances flowering & fruit setting. Improves yield both by quality and quantity.

AVAILABLE PACKING: 250 ml, 500 ml & 1 litre

LIQUID





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex MAHAPHAL

COMPOSITION: A combination product of bio-organics and traces of micronutrients in balanced quantity in chelated form.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 2.0-2.5 ml in one litre of water and spray on both the surface of the leaves. Repeat the spray at an interval of 20-25 days. 3-4 applications during the development stage are recommended.

BENEFITS: Multiplex Mahaphal induces resistance to diseases and helps in maintaining healthy leaves and produce. It is quickly absorbed by the plant & the nutrients are easily available. It induces more flowering and helps in fruit setting.

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml, 1 litre & 5 litres

LIQUID



Multiplex FALCON

COMPOSITION: Contains Major, Minor plant nutrients, Alginic acid, Vitamins, Auxin and at least two Gibberellins and Antibiotics.

CROPS: Fruits, vegetables, cotton, banana, paddy, etc.,

DOSAGE & METHOD OF APPLICATION: Dissolve 1.0 ml in one litre of water and spray on both sides of the leaves. **FIELD CROPS:** **First Spray** 30 days after sowing / transplanting. **Second Spray** 15 days after first spray. **Third Spray** 15 days after second spray. **PLANTATION CROPS:** **First Spray** Before flowering. **Second Spray** at the time of flowering. **Third Spray** at the time of fruiting & fruit development stage.

BENEFITS: Falcon contains antibiotics, Vitamins and other natural ingredients that gives more energy to plants and helps in inducing resistance against fungal diseases. It acts as biocatalyst and enhances the rate of metabolic activity in plants.

AVAILABLE PACKING: 200 ml, 500 ml, 1 litre & 5 litre

LIQUID



Multiplex BT BIO-ENZYME (FOR COTTON)

COMPOSITION: Contains amino acids, Sea-weed extract, Humic acid, Auxins, Indole Acetic Acid, Gibberellins etc.

DOSAGE & METHOD OF APPLICATION: Dissolve 2.0 ml in one litre of water and spray on both surfaces of the leaves. **First spray** at the time of Squaring. **Second spray** at the time of Flowering. **Third spray** at the time of boll development stage.

BENEFITS: Multiplex BT Bio-enzyme contains uniquely potent growth stimulants, nutrients, immune system enhancers, antibiotics, vitamins and other natural ingredients that give healthy plant growth. It helps in production of catalytic enzymes, increases photosynthetic activity. It increases resistance against diseases & environmental stress. It also increases quality and yield of the crop.

AVAILABLE PACKING: 200 ml, 500 ml, 1 litre & 5 litres

LIQUID





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex MAG ZINC

COMPOSITION: Contains Magnesium, Zinc and Boron.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 g in one litre of water and spray on the surface of the leaves. We recommend 2-3 sprays during the cropping season.

BENEFITS: Application of Multiplex Magzinc keeps the plant healthy and increases the yield considerably, especially in case of grapes. It improves fruit size and sweetness.

AVAILABLE PACKING: 1 kg & 4 kg

POWDER



Multiplex MAGZINC (FOR CEREALS)

COMPOSITION: Contains Magnesium, Manganese, Zinc, Copper, Iron and Boron

CROPS: All cereal crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 3.0 g per litre of water. In case of Maize, Jowar and Bajra.

First spray: 30 days after germination. **Second spray:** before booting stage.

BENEFITS: Magnesium has a special role to play in chlorophyll pigment synthesis and photosynthetic activity in cereal crops, thereby increasing the quality and quantity of produce.

AVAILABLE PACKING: 500 g

POWDER



Multiplex MAGZINC+

COMPOSITION: Contains secondary & Micronutrients like Magnesium, Zinc, Boron and other Bio-stimulants.

CROPS: All crops

DOSAGE & METHOD OF APPLICATION: Dissolve 2 to 3 ml of Multiplex MagZinc+ in one litre of water and spray on both surfaces of the leaves.

We recommend 2 to 3 sprays during growth stage at an interval of 15 to 20 days between the sprays.

BENEFITS: Keeps the plant healthy, improves drought and disease resistance in plants. It helps in uniform maturity, size, colour, shape and enhances sweetness in fruits. Improves the yield both by quality and quantity.

AVAILABLE PACKING: 250 ml, 500 ml, 1 litre and 5 litres

LIQUID





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex ZINC HIGH / DHARTI / SRUSHTI

COMPOSITION: Contains high percentage of Zinc, Magnesium apart from other secondary and micronutrients like calcium, manganese, molybdenum, boron and sulphur in easily available form.

MULTIPLEX ZINC HIGH

AVAILABLE PACKING: Foliar - 250 g, 500 g, 1 kg & 4 kg

MULTIPLEX SRUSHTI (ZINC HIGH)

AVAILABLE PACKING: Soil application - 1 kg, 5 kg, 8 kg, 10 kg & 25 kg

MULTIPLEX DHARTI

AVAILABLE PACKING: 5kg, 10 kg & 25 kg

CROPS: All crops.

DOSAGE & METHOD OF APPLICATION: Foliar

Spray: Dissolve 2.5 g of Multiplex Zinc High in one litre of water and spray on both the surface of leaves.

First spray: 30 days after germination/ 25 days after transplantation **Second spray:** 20-30 days after first spray. **Soil Application:** Apply 10 kg of Multiplex Srushti or Multiplex Dharti/ acre either at the time of sowing or at the time of transplantation

BENEFITS: Multiplex Zinc High/ Multiplex Srushti/ Multiplex Dharti improves the quality and quantity of the yield by about 20-30%.

POWDER



Multiplex GARDEN MIXTURE

COMPOSITION: Contains all essential nutrients (Major, Secondary and Micronutrients).

CROPS : All garden plants either in pots or grown directly in soils.

DOSAGE & METHOD OF APPLICATION: Apply about 10-15 g to each plant depending upon the foliage and age of the plant. Repeat the application once in two months.

CAUTIONS: At the time of application, ensure that sufficient moisture and organic manure is present in the soil to support the plant for better and quick utilization of different nutrients. Multiplex Garden Mixture should be applied at the radius of 5-6 inches from the base of the plant.

BENEFITS: Application of Multiplex garden mixture will help in producing more number of flowers with better colour as per the variety.

AVAILABLE PACKING: 500 g

POWDER





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex for FRUITS

COMPOSITION: Contains Zinc, Iron, Manganese, Copper, Boron and Molybdenum.

CROP: All Fruits

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 g in one litre of water and spray on both the surfaces of leaves. First spray just before flowering i.e. during new leaf emergence, second spray during flowering or 25 days after first spray and third spray when the fruits are of bean size i.e. after 25 days after second spray.

BENEFITS: Application of Multiplex multi-nutrient fertilizers for fruits controls premature shedding of flowers and results in improved fruit setting. It also improves fruit colour, size and taste.

AVAILABLE PACKING: 1 kg

POWDER



Multiplex for VEGETABLES

COMPOSITION: Contains Calcium, Magnesium, Sulphur, Zinc, Iron, Manganese, Copper, Boron and Molybdenum.

CROP: All vegetables

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 g in one litre of water and spray on both the surfaces of leaves. At least 3 sprays at an interval of 20 days during the cropping season.

Leafy vegetables: 25 days after transplantation

Non-leafy vegetables: When the plant is at 5-6 leaf stage.

Beans-pre-flowering stage (About 15 days after germination)

Onion and Garlic: 20 - 25 days after germination.

BENEFITS: Multiplex micronutrient for vegetables helps in healthy plant growth, which will help the plant to be more tolerant to diseases. It also helps in better fruit setting, resulting in better quality produce & higher yield.

AVAILABLE PACKING: 500 g & 1 kg

POWDER





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex FLOWER BOOSTER

COMPOSITION: Contains all essential nutrients - major, second and trace elements in easily available form.

CROP: All garden plants.

DOSAGE & METHOD OF APPLICATION: Dissolve 4 gm or 4 ml in one litre of water. Spray or sprinkle the solution on leaves, branches and stem of plants. Repeat spray after 20 days.

BENEFITS: Multiplex Flower Booster increases the size and number of flowers. It maintains the original colour, aroma and keeping quality of cut flowers after harvest, which includes other flowers in general.

AVAILABLE PACKAGING: Powder: 100 g & 500 g

Liquid: 100 ml, 250 ml & 500 ml

POWDER & LIQUID



Multiplex MULTI MAX

COMPOSITION: Contains secondary and all micronutrients.

CROPS: Vegetables, fruits and cereals

DOSAGE & METHOD OF APPLICATION: Dissolve 3.0 g per litre of water.

First spray: 30 - 35 days after sowing/ transplantation.

Second spray: 25 days after first spray & third spray at the time of flowering/ blooming.

FOR FERTIGATION: 2 - 3 kg per acre.

BENEFITS: Multiplex Multi Max helps to correct the deficiency of nutrients at critical stage of growth and helps in seed and fruit set, thus increases yield.

AVAILABLE PACKAGING: 100 g, 250 g, 500 g & 1 kg

POWDER



Multiplex MULTICROP

COMPOSITION: Consists of all micronutrients, grades varies for each state.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 3.0 ml in one litre of water and spray on both the surfaces of the leaves. Three sprays should be given and spray solution requirement varies at different stage of crop.

First spray: After 20 days of sowing/ transplantation

Second spray: 25 days after first spray

Third spray: At the time of blooming/ flowering

BENEFITS: Multiplex Multicrop helps in overcoming the deficiency of micronutrients in plants, thereby not only attain higher yield, but also better quality produce.

AVAILABLE PACKAGING: 500 ml & 1 litre

LIQUID





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex for PADDY/ PADDY SPECIAL

COMPOSITION: Contains balanced multi nutrients, secondary nutrients like Calcium, Magnesium, Sulphur and Micronutrients like Zinc, Manganese, Iron, Molybdenum and Boron.

CROP: Paddy

DOSAGE & METHOD OF APPLICATION:

- a) **Soil Application:** Apply 5 to 8 kg per acre at time of transplanting.
- b) **Foliar Application:** Dissolve 2.5 g in a litre of water and spray on both surfaces of the leaves.

First spray: 15-20 days after transplanting.

Second spray: Given 25-30 days after first spray.

BENEFITS: Multiplex multi-nutrient for Paddy/ Paddy Special increases tillers, develops disease resistance, improves seed quality, increases grain weight and in turn increases yield.

AVAILABLE PACKING: Foliar application: 500 g
Soil application: 1 kg & 5 kg

POWDER



Multiplex SUGARCANE SPECIAL

COMPOSITION: Contains secondary nutrients like Magnesium, Calcium and Sulphur and trace elements such as Zinc, Copper, Iron, Boron, Manganese and Molybdenum.

CROP: Sugarcane

DOSAGE & METHOD OF APPLICATION:

Soil Application: Use 10 kg of Multiplex Sugarcane Special per acre at the time of sowing and 5 kg per acre as a second dose before 75 - 85 days of germination.

BENEFITS: Application of Multiplex Sugarcane Special increases the tillering, cane size, internodal distance and weight. It also keeps plant healthy by increasing resistance to diseases.

AVAILABLE PACKING: 5 kg, 10 kg & 25 kg

POWDER - SOIL APPLICATION





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex PEPPER SPECIAL

COMPOSITION: Multiplex Pepper Special contains Nitrogen, Potash, Magnesium, Sulphur, Zinc, Boron, Molybdenum, Copper, Manganese, Iron along with plant growth promoters like Alpha Naphthyl Acetic Acid and Gibberellic Acid

CROP: Pepper

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 grams of Multiplex Pepper Special in 1 litre of water and spray on both surfaces of the leaves so that leaves are completely wet. We recommend 2 to 3 sprays.

1st Spray during the onset of monsoon

2nd Spray at the end of the monsoon

3rd Spray 30 days after second Spray, i.e. during the month of October or November

BENEFITS: It supplies all Major, Secondary & Micronutrients needed by Pepper Plants at different growth stages by increasing catkin formations increases the pollination rate. Prevents spike shedding. Improves Pepper yield both by quality and quantity. Keeps plants healthy and disease free.

AVAILABLE PACKING: 1 kg

POWDER



Multiplex PAN SPECIAL

COMPOSITION: Contains Micronutrients such as Iron, Zinc, Boron, Manganese and Copper.

CROP: Paan (Betel vine leaves)

DOSAGE & METHOD OF APPLICATION: **Soil Application:** Apply 5 to 8 kg per acre in the month of September/ October. After using Multiplex multi-micronutrient fertilizer for Pan Special plants should be well irrigated.

BENEFITS: Since Paan is grown under shade the availability of nutrients from soil is restricted and also continuous harvesting of leaves require better balanced nutrition. Hence, foliar application of Multiplex Pan Special helps in overcoming these problems, thus, enhances the plant growth and leaf development.

AVAILABLE PACKING: 5 kg

POWDER - SOIL APPLICATION





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex MAIZE SPECIAL / MULTIPLEX GOLD

COMPOSITION: Contains Micronutrients in balanced form for maize.

CROP: Maize

DIRECTION FOR USE: Dissolve 3 to 4 g of Multiplex Maize Special in one liter of water and spray on the plants. We recommend two sprays of Multiplex Maize Special. First spray should be given 30 days after sowing and second spray 50-55 days after sowing or 20-25 days after the first spray.

BENEFITS: It corrects the deficient nutrients and improves the nutrient content of Maize grains which when used as feed will improve the yield parameters both in Poultry and Cattle. It improves 1000 grain weight of the Maize crop. This Multiplex multi-micronutrient for Maize is also suitable for Jowar and Bajra crops.

POWDER



Multiplex WHEAT SPECIAL

COMPOSITION: Contains secondary nutrients like Calcium, Magnesium, Sulphur and micronutrients such as Zinc, Manganese, Copper, Iron, Boron and Molybdenum in a balanced quantity as per the requirements of wheat.

CROP: Wheat

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 2.5 g in one litre of water and sprayed on both sides of the leaf. **First spray:** 35 to 40 days after sowing and **Second spray:** to be given 10 to 15 days before booting.

BENEFITS: Application of wheat special will increase the numbers of tillers which will result in more number of ear heads, thus improving yield.

AVAILABLE PACKING: 1 kg

POWDER



Multiplex for GROUNDNUT

COMPOSITION: Contains secondary nutrients like Calcium, Magnesium, Sulphur and Micronutrients like Zinc, Copper, Manganese, Iron, Molybdenum and Boron in a most balanced and in easily available form.

CROP: Groundnut

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 2.5 g of Multiplex for GROUNDNUT in one litre of water and spray on both the surfaces of leaves. **First spray:** 30 days after germination and **Second spray:** 20 days after first spray is given.

BENEFITS: Multiplex for GROUNDNUT is a balanced multi- micronutrient fertilizer which meets all the micronutrient needs of groundnut. It improves oil content, better seed setting, builds resistance to diseases in plants etc.

AVAILABLE PACKING: 500 g & 1 kg

POWDER





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex for SUNFLOWER

COMPOSITION: Contains Secondary nutrients such as Calcium, Magnesium, Sulphur & micronutrients like Zinc, Manganese, Boron, Copper and Molybdenum.

CROP: Sunflower.

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 g of Multiplex for SUNFLOWER in one litre of water and spray on both the surfaces of leaves. First spray should be given before flowering and second spray at the time of flowering.

BENEFITS: Application of Multiplex Multi-micronutrient fertilizer for SUNFLOWER corrects the deficiency at critical stage of crop growth, increases the size of flower head and minimizes chappy seeds, helps in seed set, uniform seed development and increases yield. It also increases the oil content and the seed weight.

AVAILABLE PACKING: 500 g

POWDER



Multiplex MUSTARD (Rayee), CUMIN (Jeera) and CORIANDER

COMPOSITION: Contains Zinc, Iron, Manganese, Copper, Boron and Molybdenum.

CROPS: Mustard, Cumin & Coriander.

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 g in one litre of water and spray on both the surfaces of leaves.

First spray: 30 - 35 days after germination,

Second spray: 20 days after first spray and third spray 15 days after second spray.

BENEFITS: Application of Multiplex for mustard, cumin and coriander controls flower shedding, increases branches, number of flowers, quality and yield of the crop.

AVAILABLE PACKING: 500 g & 1 kg

POWDER



Multiplex for SPICES

COMPOSITION: Contains Secondary and micronutrients in a balanced & readily available form to suit the requirements of spices.

CROPS: Spices

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 g of Multiplex for SPICES in one litre of water and spray on leaves.

BENEFITS: It meets secondary and micronutrient requirements of spices, which helps to keep the plants healthy by developing disease resistance in them. It also improves quality and quantity of produce, resulting in higher yield.

AVAILABLE PACKING: 500 g,

POWDER





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex for POTATO

COMPOSITION: Contains all secondary nutrients such as Calcium, Magnesium, Sulphur and micronutrients like Zinc, Boron, Manganese, Iron and Molybdenum in optimum quantity.

CROP: Potato

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Dissolve 2.5 g of Multiplex for POTATO in one litre of water and sprayed on both sides of the leaf.

First spray: 35 days after germination.

Second spray: 20-25 days after first spray.

BENEFITS: Multiplex Potato ensures healthy growth and uniform development of tubers, resulting in better quality of produce and higher yield.

AVAILABLE PACKING: 250 g & 500 g

POWDER



Multiplex for CHILLI - BRINJAL - TOMATO

COMPOSITION: Consists of all micronutrients, grades varies with each state.

CROPS: Chilli, Brinjal, Tomato

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 g of Multiplex for CHILLI - BRINJAL - TOMATO in one litre of water and spray on both the surfaces of the leaves preferably in the morning hours. Three sprays should be given and spray solution requirement varies with the stage of crop.

First spray: 20 days after sowing / transplantation.

Second spray: at the time of blooming / flowering.

Third spray: during fruit development stage.

BENEFITS: Application of Multiplex for CHILLI - BRINJAL - TOMATO enhances the flowering, reduce flower and fruit set dropping, improves the colour and shape of the fruit, thereby producing quality fruits and better yield.

AVAILABLE PACKING: 500 g

POWDER





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex for MANGO

COMPOSITION: Contains secondary nutrients like Calcium, Magnesium, Sulphur and Micronutrients like Zinc, Iron, Copper, Boron, Manganese and Molybdenum.

CROP: Mango

DOSAGE & METHOD OF APPLICATION: **Foliar Application:** Dissolve 2.5 g of Multiplex for MANGO in one litre of water and spray on both sides of the leaves.

First spray: before flowering (for initiation of flowers & to control malformation).

Second spray: during flowering stage (Helps to open inflorescence to the maximum size and enables early normal fruit set). **Third spray:** After fruit set when fruits are of bean size (can be sprayed along with fungicides and insecticides). **Fourth spray:** May be given 30 days after third spray.

BENEFITS: Controls mango malformation, if two sprays are given at an interval of 20 days before flowering. Imparts attractive colour, enhances keeping quality of fruits. It will regulate the male and female ratio in the flowers, thereby resulting in higher yield.

AVAILABLE PACKING: For Foliar spray - Powder: 500 g

POWDER



Multiplex for CITRUS

COMPOSITION: Contains Major nutrients, secondary nutrients, micronutrients, amino acids, growth promoters, etc

CROP: Citrus

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 g of Multiplex for CITRUS in one litre of water and spray on both the surface of leaves. **First Spray** - during flower initiation stage. Repeat two more sprays at an interval of 20 days.

BENEFITS: Nutritional deficiency in citrus is common phenomenon and foliar application of multi-micronutrient mixture will overcome the hidden secondary and micronutrient deficiencies, thereby improves the fruit setting and controls premature shedding of flowers and increases fruits size, thus results in higher yields.

AVAILABLE PACKING: 500 g & 1 kg

POWDER





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex BANANA SPECIAL

COMPOSITION: This contains secondary nutrients and micronutrients in a balanced form.

CROP: Banana

DOSAGE & METHOD OF APPLICATION: **Soil Application:** Apply 20 kg per acre in two splits, first split of 15 kg per acre at three months after transplanting. Second split of 5 kg per acre at five to six months after transplanting.

BENEFITS: Application of Multiplex Banana Special increases the number, size and uniform shape of the fingers. It will improve the colour of the fruit, thereby fetches higher price in the market. This will result in overall increase in the quality and quantity of the yield.

AVAILABLE PACKING: 5 kg & 10 kg

POWDER - SOIL APPLICATION



Multiplex SAMPURNA

COMPOSITION: This contains all essential plant nutrients like major nutrients secondary nutrients and micronutrients. It contains high quantity of magnesium & potassium and it is ideally suitable for Banana crop

CROP: Banana

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 ml of Multiplex Sampurna in one litre of water and spray on both surface of leaves.

4 to 5 sprays are recommended for banana crop.

First spray: 45 to 50 days after transplantation.

Second spray: 40 to 45 days after first spray.

Third spray: should be given as cone treatment (250 ml of solution per plant: 2.5 ml of Multiplex Sampurna /litre of water) 40 to 45 days after second spray.

Fourth spray: after 20 to 25 days of bunch initiation and fifth spray after removing flower head.

BENEFITS: It increases the initial growth vigor of plants and induces resistance for pest and disease. It helps crop to withstand environmental stress, significantly improves the growth, yield and quality of the produce. Visual improvements can be seen within 6 to 7 days after the spray. It is compatible with most of the pesticides, fungicides and fertilizers

AVAILABLE PACKING: 250 ml, 500 ml, 1 litre & 5 litres

LIQUID





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex GRAPES SPECIAL

COMPOSITION: Contains Magnesium, Calcium, Sulphur, Iron, Zinc, Boron, Manganese, Copper, and Molybdenum in balanced quantity and in easily available form.

CROP: Grapes

DOSAGE & METHOD OF APPLICATION: **Soil Application:** Use 15-20 kg per acre. First application during March/April pruning (First manuring), second application during September/ October pruning.

BENEFITS: Increases the growth of inter-nodal portion of sub branches holding berries from the main branch, which result in better berry development. It induces disease resistance, improves keeping quality and helps in getting uniform berry size, stiffness, shining and with added weight.

AVAILABLE PACKAGING: 10 kg

POWDER - SOIL APPLICATION



Multiplex APPLE SPECIAL

COMPOSITION: Contains Calcium, Manganese, Zinc, Boron.

CROP: Apple.

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 ml in one litre of water and spray on apple. **First spray:** During February with Fish Oil spray - Before Flowering. **Second spray:** After petal fall. **Third spray:** When apple fruits are of bean size - during this spray include 2.0 g Multiplex BORON in a litre of water. **Fourth spray:** 25-30 days, before harvesting the apples. This spray helps in enhancing keeping quality, taste and colour.

BENEFITS: Improves chlorophyll pigments in leaves thereby increases photosynthetic activity. It also helps to increase flowering, fruit setting, & fruit size, whereas it reduces cracking of fruits & deformed fruits, thereby resulting in better quality fruits.

AVAILABLE PACKAGING: 500 ml, 1 litre & 5 litres

LIQUID



Multiplex COCONUT SPECIAL

COMPOSITION: Contains secondary nutrients & micronutrients in balanced quantity as per plant requirement.

DOSAGE & METHOD OF APPLICATION: For bearing plants, 200 to 250g per palm in two split dose per year. First dose during the month of May/June & second dose during Sept/ Oct. For non-bearing plants, 50 to 100g per palm in two split dose per year.

BENEFITS: Application of Multiplex for Coconut Special helps in normal pollination, controls button shedding, increases the oil content in copra and develops disease resistance in palm, resulting in higher yield.

AVAILABLE PACKAGING: 1 kg & 5 kg

POWDER - SOIL APPLICATION





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex COCONUT SPECIAL (LIQUID)

COMPOSITION: Liquid fertilizer containing all essential micronutrients.

CROP: Coconut

DOSAGE & METHOD OF APPLICATION: **Foliar Spray:** Mix 2.5 ml of Coconut Special liquid in one litre of water and spray on the fronds of the coconut trees thoroughly. **Soil Drenching:** Mix 3 to 5 ml of Coconut Special liquid in one litre of water and pour the prepared solution at the rate of 5 to 8 litres for non-yielding coconut trees and 10 litres for yielding trees. **Fertigation:** For one acre mix 2 litres of Coconut Special liquid in 200 litres of water and fertigate. **Root Feeding:** For better growth and development of coconut trees mix 25 ml of Coconut Special liquid in 30 ml of water and take this solution in a polythene bag (7x10 cms). Select a healthy root of coconut tree and cut the tip of root and insert this root in to the polythene bag so that root comes in contact with the solution of the bag and tie the mouth of the polythene bag around the root with thread so that solution will not come out from the bag.

BENEFITS: Controls button shedding (Premature nuts), Induces resistance against mites damage. Helps in faster assimilation of nutrients and thus increases metabolic rate of the plants. Corrects nutrient deficiency, disorders, crown choke and pencil point disorders thereby increases the yield. Compatible with most of the commonly used pesticides

AVAILABLE PACKING: 1 litre & 5 litre



LIQUID

Multiplex ARECA GREEN / ARECA SPECIAL

COMPOSITION:

Areca Green Contains Secondary nutrients and micronutrients in balanced quantities.

Areca Special Contains Micronutrients in balanced quantities.

CROP: Arecanut

DOSAGE & METHOD OF APPLICATION: **Soil application:** For bearing arecanut plants apply 100 g and for non-bearing arecanut plants apply 50 g in two split doses, first dose in the month of May/ June and second dose during September/ October. After application plants should be well irrigated. When arecanut is grown as mixed crop with pepper and betel vine, care should be taken to apply Multiplex multi-Micronutrient fertilizer 20 inches away from the base.

BENEFITS: Multiplex Areca Green or Areca Special helps to induce regular flowering and better nut setting. It also helps in increasing the weight of the nuts, which will result in increased yield.

AVAILABLE PACKING: 10 kg



POWDER - SOIL APPLICATION



MULTI-MICRONUTRIENT FERTILIZERS

Multiplex for CARDAMOM

COMPOSITION: Contains balanced multi-micronutrient such as Zinc, Iron, Manganese, Copper, Boron, Molybdenum and Chlorides.

CROPS: Cardamom

DOSAGE & METHOD OF APPLICATION: **Foliar spray:** Dissolve 2.5 ml of Multiplex for Cardamom in one litre of water and spray on both the surfaces of leaves. It can also be used for fertigation.

BENEFITS: Multiplex for Cardamom helps to increase the number of flowers and fruit setting, bigger size seed and pods, resulting in better quality produce and increased yield.

AVAILABLE PACKING: Foliar - 1 litre & 5 litres

LIQUID



Multiplex GINGER SPECIAL

COMPOSITION: Contains secondary nutrients like calcium, magnesium, sulphur and micronutrients like manganese, boron, iron, zinc, copper and molybdenum in balanced quantities as per the requirement of Ginger plants.

CROP: Ginger

DOSAGE & METHOD OF APPLICATION: **Soil Application:**

First application - Apply 5 kg per acre at 30 days after planting

Second application - Apply 5 kg per acre at 90 days after planting

BENEFITS: Use of Multiplex Ginger Special keeps plants healthy by developing disease resistance, imparts the natural colour to rhizome, increases the number and size of rhizomes per hill, and thereby improves the yield both in terms of quality and quantity.

AVAILABLE PACKING: 8 kg

POWDER - SOIL APPLICATION



Multiplex GREEN CHALLENGER

COMPOSITION: Contains nitrogen, chelated zinc & boron in a balanced form.

CROP: Tea

DOSAGE & METHOD OF APPLICATION: Dissolve 1.0 ml in one litre of water and spray at an interval of 30 to 45 days. For extra benefit, add 500 g of Urea in 100 litres of the above solution.

BENEFITS: Application of Multiplex Green challenger as foliar spray ensures that the nutrients are easily available and contributes to higher productivity.

AVAILABLE PACKING: 1 litres & 5 litres

LIQUID





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex TEA SPECIAL

COMPOSITION: Contains the required quantities of secondary & micronutrients for tea. Use 20 kg per hectare per year, as recommended by UPASI.

CROP: Tea.

DOSAGE & METHOD OF APPLICATION: Dosage per hectare per round - 5.0 kg of Multiplex Tea Special in 1000 litres of water. Number of rounds required - Four for normal yield, for very high yielding fields will require one more additional round of spray.

First application - beginning of peak flush. Second spray - about 25 to 30 days after first application. Third spray - Beginning of II peak flush (approx Sept. onwards). Fourth spray - about 25 to 30 days after third spray. Fifth spray - about 25 to 30 days after fourth spray.

Please note the following when foliar spray is given: i) Multiplex Tea Special spray should be preferably given immediately after plucking to facilitate effective absorption and 10 days after basal dose of NPK. ii) A Minimum of 2 to 3 hours rain free period is sufficient for absorption. iii) Spraying should be avoided between 12.00 and 14.00 hrs to avoid scorching. Multiplex Tea Special is compatible with most of the Pesticides and Fungicides. iv) Ensures addition of fresh maintenance foliage / mother leaf in tea bushes every year.

BENEFITS: Multiplex Tea Special supplies the micro nutrients required for healthy growth. The required quantity of Auxin i.e. NAA is added for stability and efficient absorption of nutrients & enhances photosynthesis. As it is balanced formulation, it will overcome the hidden deficiencies and results in higher yield.

AVAILABLE PACKING: Liquid - 250 ml, 500 ml, 1 litre & 5 litres

Powder - 1 kg & 50 kg



POWDER & LIQUID

Multiplex TEA MIRACLE

COMPOSITION: Contains balanced form of Nutrients enriched with growth promoters' disease resistance substances and yield enhancer derived from organic sources.

CROP: Tea

DOSAGE & METHOD OF APPLICATION: Dissolve 250 to 300 ml of Multiplex Tea Miracle in 200 litres of water and spray on tea bushes to cover an acre. We recommend two sprays at an interval of 20 to 25 days immediately after plucking. Spray Solution should be applied to the plucking points and on both surface of the immediate supporting leaves.

BENEFITS: After plucking, foliar Application of Multiplex Tea Miracle gives instant response by increasing new flush of green leaves, supplies essential nutrients resulting in overcome of hidden deficiencies. Increases new buds, increases phytochemical constituents in leaves and enhances disease resistance mechanism in plants.

AVAILABLE PACKING: 250 ml, 500 ml, 1 litre & 5 litre



LIQUID



MULTI-MICRONUTRIENT FERTILIZERS

Multiplex TEA NURSERY

COMPOSITION: Contains balanced multi-micronutrient such as Zinc, Iron, Manganese, Copper, Boron and Molybdenum

CROP: Tea nursery.

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 ml of Multiplex TEA NURSERY in one litre of water and spray or sprinkle liberally on nursery plants with two new leaves or more. Repeat the spray once in 30 to 45 days. Above solution can be sprayed to the mother bushes at least 15 days before taking cuttings to ensure better initial rooting.

BENEFITS: It contains balanced nutrients which support and establish the nursery plants faster by improving the initiation and elongation of roots and maintaining the healthy growth of shoot. Controls or prevents golden Tip yellowing or chlorosis of nursery plants.

AVAILABLE PACKING: 500 ml, 1 litre & 5 litre

LIQUID



Multiplex COFFEE SPECIAL

COMPOSITION: Contains secondary and micronutrients in a readily available form. Soil application contains Zinc, Boron, Molybdenum, Magnesium, Calcium, Sulphur, Chlorine, Organic acid as per the recommendation of Central Coffee Research Institute. Foliar spray contains Zinc, Magnesium, Molybdenum, Boron, Sulphur, Copper and Manganese in balanced quantity.

CROP: Coffee

DOSAGE & METHOD OF APPLICATION:

a) **Soil Application:** Apply 10 kg of Multiplex multi Coffee Special per acre along with NPK fertilizers during May/ June, once a year.

b) **Foliar Spray:** 2.5 ml per litre of water.

First spray: during pre-blossom / flowering time.

Second spray: at the time of berry development

BENEFITS: Application of Multiplex Coffee Special helps to increase berry setting and the size of coffee beans in each berry. It also helps in healthy plant growth and sustained economic yield year after year, if applied every year. Contains Zinc, Boron, Molybdenum, Magnesium, Calcium, Sulphur, Chlorine, Organic acid as per the recommendation of Central Coffee Research Institute. Foliar spray contains Zinc, Magnesium, Molybdenum, Boron, Sulphur, Copper and Manganese in balanced quantity.

AVAILABLE PACKING: Liquid: 1 litre & 5 litres

Soil application: 10 kg

POWDER - SOIL APPLICATION
& LIQUID





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex for TOBACCO

COMPOSITION: Contains all secondary nutrients Calcium, Magnesium, Sulphur and Micronutrients such as Zinc, Iron, Copper, Manganese, Boron, Molybdenum in easily available form.

CROP: Tobacco

DOSAGE & METHOD OF APPLICATION: Dissolve 2.5 g of Multiplex for TOBACCO in a litre of water and spray on leaves.

First spray: 25-35 days after transplantation.

Second spray: 20 – 25 days after first spray.

BENEFITS: Application of Multiplex for Tobacco helps to develop drought resistance and keeps leaves greener and healthier. It also increases the leaf area, quality and quantity of Tobacco crop.

AVAILABLE PACKING: 500 g

POWDER



Multiplex RUBBER SPECIAL

COMPOSITION: Contains various secondary (Magnesium, Calcium Sulphur) and micronutrients (Zinc, Boron, Iron, Copper, Manganese and Molybdenum) in balanced quantity to meet the nutrients requirement of Rubber.

CROP: Rubber.

DOSAGE & METHOD OF APPLICATION: **Soil Application:** Apply 150 to 200 g of Multiplex Rubber Special per plant at a distance of 5ft away from the base of the tree in furrow (3"-5" depth) and then cover it with the soil. We recommend two applications in a year. First application immediately after the rainy season and second application after 3 to 4 months of first application.

BENEFITS: Its provides all secondary, micronutrients for plant growth and maintains soil fertility and thus acts as a continuous source of nutrients for Rubber plant resulting in higher yield. Its induces disease resistance in the plants and keeps them healthy.

AVAILABLE PACKING: 5 kg

POWDER - SOIL APPLICATION





MULTI-MICRONUTRIENT FERTILIZERS

Multiplex POND CULTURE

COMPOSITION: Contains balanced nutrients such as Potassium, Calcium, Magnesium, Zinc, Manganese, Boron and Molybdenum.

USAGE : For fish culture

DOSAGE & METHOD OF APPLICATION: For pond size 10m x 10m x 4ft. Dissolve 250 g of Multiplex multi-micronutrient fertilizer for POND CULTURE in 50 litres of water and apply the solution at the different corners of the pond. Repeat the application once in two months.

BENEFITS: Application of Multiplex pond culture helps to increase the plant food in the pond, thereby increase the size and quality of fish. It also improves disease resistance in fish.

AVAILABLE PACKING: 500 g & 4.0 kg

POWDER



Multiplex PRAWN CULTURE

COMPOSITION: Contains balanced nutrients such as Potassium, Calcium, Magnesium, Zinc, Manganese, Copper, Boron, Molybdenum, Barium, Cobalt and Potassium permanganate

USAGE : For prawn culture

DOSAGE & METHOD OF APPLICATION: For pond size 10m x 10m x 4ft. Dissolve 250 g of Multiplex PRAWN CULTURE in 50 litres of water and apply the solution at the different corners of the pond.

BENEFITS: Application of Multiplex prawn culture helps in the quantity and quality of microscopic phyto and zoo plankton population in the pond. This results in better external cuticular development of the prawns.

AVAILABLE PACKING: 500 g & 4 kg

POWDER





BIOSTIMULANTS

Multiplex JIVRAS

COMPOSITION: Contains Humic acid 12.0 %,w/w

CROP: All crops

DOSAGE & METHOD OF APPLICATION:

Soil Application: Apply 1.5 litre per acre through irrigation.

Urea Treatment: Apply 500-1000ml to 100 kg urea. The urea will turn brown in colour. After 2 hrs of treatment urea can be applied to the soil.

Foliar Application: Dissolve 3.0 ml in a liter of water and spray on both sides of the leaves.

For seed Treatment: Dissolve 100 ml in one litre of water. Treat the seeds in this solution for one hour before sowing.

BENEFITS: Multiplex Jivras can be mixed with insecticides/ fungicides. It reduces soil erosion and increases water holding capacity of soil, thus enhances the drought resistance of crops. It reduces the requirement of inorganic fertilizers in root zone and releases the nutrients to plants when needed. It also increases seed germination and viability, when the seeds are treated. When Jivras in combination with Zinc increases the size of fruits.

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml & 1 litre

LIQUID



Multiplex SAMRAS

COMPOSITION: Contains a mixture of 17 natural amino acids, extracted from plant source.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 2.0 - 3.0 ml in one litre of water and spray on both sides of the leaf.

BENEFITS: Multiplex Samras enhances the uptake of major, secondary and micronutrients by acting as a natural chelating agent, thus, improves flower and fruit setting and enhances drought resistance in plants. It promotes enzymatic activities, protein synthesis & also increases the photosynthetic activity in plants.

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml, 1 litre & 5 litres

LIQUID





BIOSTIMULANT

Multiplex GREEN BOOSTER

COMPOSITION: It contains a complex mixture containing all major nutrients derived from organic sources. It is enriched with humic acid, fulvic acid and amino acids. All these ingredients are blended to form granulated shiny black beads.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Apply 2 kg of Multiplex Green Booster per acre at the time of land preparation or before transplantation.

BENEFITS: Better absorption of nutrients from soil and resulting in good plant growth and increased yield. It slowly release the nutrients, reducing the wastage due to evaporation and volatilization. Improves binding capacity of soil particles which prevents leaching loss of nutrients in soil. Improves enzymatic activities in plant, thereby increases stress resistance. Improves appearance and keeping quality of fruits and vegetables.

AVAILABLE PACKING: 2 kg.

GRANULE



Multiplex NAVAJEEVAN-G

COMPOSITION: Contains Sea-weed, humic acid and a mixture of amino acid and triacontanol.

CROP: All crops

DOSAGE & METHOD OF APPLICATION: General Dosage. Apply 5-10 kg per acre at the time of sowing by mixing it with FYM / Compost or 20-25 days after transplanting by mixing with top dressing fertilizers. It should be mixed properly in to the soil to exploit its maximum potential.

BENEFITS: Multiplex Navajeevan- G reduces transplant shock and is an eco-friendly product. To some extent it can detoxify chemical residues and heavy metals. It supplies NPK as well as secondary trace minerals Ca, Mg, S, B, Mo, Cu, Zn, Mn, Fe, Silicon and Cobalt along with growth promoters like Auxins, Gibberellins and Cytokinins in naturally chelated forms and readily available to the plants – improves taste and quality of the produce.

AVAILABLE PACKING: 1 kg, 5 kg, 10 kg, 25 kg & 100 kg

GRANULE





BIOSTIMULANT

Multiplex NAVAJEEVAN–G

Sl. No.	Crops	Time of Application	Rate of Application per/acre (Kgs)
1	Paddy	At the time of planting or 10 to 15 days after transplanting.	10
2	Wheat	On or before 30 to 35 days after sowing	10
3	Sugarcane	First application: 30 to 60 days after planting.	7.5 to 10
		Second application: 90 days after planting.	7.5 to 10
4	Banana	During vegetative growth First application: 30 to 35 days after planting	25g/ plant
		Second application: 60 to 75 days	25g/ plant
5	Potato	30 days after planting	15
6	Strawberry	First application: At new leaf stage	15
		Second application: 25 days after first application or at Green fruit stage	15
7	Tea	Nursery	5-10g/ plant
		For young plantation once in 3 months	10-25g/ plant
8	Vegetables (Cabbage, Tomato, Cauliflower, Chillies, Capsicum, Bhendi Brinjal etc)	At the time of transplanting or 10 to 15 days after transplanting	15
9	For nursery crops (Cabbage, Tomato, Chillies, Cauliflower, Brinjal, Paddy etc.)	Before sowing of the seeds in the nursery beds or after preparing nursery beds	Distribute equally 0.5 - 1.0 kg to all the nursery beds required to transplant one acre in the main field
10	Medicinal Plants and aromatic plants	First application: at the time of planting or sowing	10 to 15
		Second application: 20 to 30 days after first application	10 to 15
11	Vanilla	At the time of planting or 1 month after planting.	50g/ plant/ year



BENEFICIAL ELEMENT FERTILIZER

Multiplex ORTHOSIL

COMPOSITION: Contains Silica in combination with Boron and Potassium.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 1 to 2 ml of Multiplex Orthosil in one liter of water and spray on both surface of leaves.

First spray: 30 days after sowing or transplantation. We recommend 2 to 3 sprays at an interval of 20 days between the sprays.

BENEFITS: Improves resistance to water stress and helps plants to fight temperature stress up to 41°C. It also increases reproductive rate in plants. Silicon in plants helps to increase the tolerance to zinc deficiency. Can be used for all crops.

AVAILABLE PACKING: 250 ml, 500 ml & 1 litre

LIQUID



WATER pH BALANCER

Multiplex EQUVINOX

DOSAGE & METHOD OF APPLICATION: On addition of Multiplex EQUVINOX to the water to be used for preparation of spray solution, the colour of the water will change to dark red, continue to add Multiplex EQUVINOX till the colour changes to aqua blue. This indicates that the water is in desirable range of pH.

BENEFITS: Helps in conversion of unsuitable water to suitable water for preparing spray solution. Increases the efficiency of pesticides. Improves foliar applied nutrient use efficiency. Reduces the number of sprays

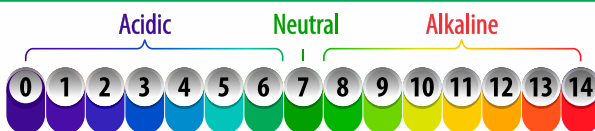
Note: First treat the water with Multiplex EQUVINOX and then mix pesticide or nutrient fertilizer. Do not add Multiplex EQUVINOX if the product contains lime, lime sulphur, Bordeaux mixture, carbonate, hydride, etc.

AVAILABLE PACKING: 50ml & 100 ml

LIQUID



pH scale ►





PLANT GROWTH REGULATORS

Multiplex NAGAMRUTA

COMPOSITION: Contains alpha naphthyl acetic acid 4.5 % SL.

CROPS: Tomato, Brinjal, Pea, Chillies, Apple, Citrus Orange, Mango & Tea

DOSAGE & METHOD OF APPLICATION: Dissolve 0.25 to 0.30 ml in one litre of water and spray on both sides of the leaf..

Field crops (Tomato, Brinjal, Pea, Chillies):

- First spray 25 -30 days after transplantation.
- Second spray at the time of flowering.
- Third spray 10 days after second spray.

Fruit crops (Apple, Citrus Orange, Mango):

- First spray at the time of flower bud initiation.
- Second spray when the fruits are of bean size.
- Third spray 25 -30 days after second spray.

Plantation crops:

Tea :

- First spray between March & April before onset of monsoon, when buds open.
- Second spray 25-30 days after first spray.
- Third spray 25-30 days after second spray.

Coffee:

- First spray before flower initiation.
- Second spray 30 days after first spray.
- Third spray 25-30 days after second spray.

BENEFITS: It is an excellent plant growth regulator, which induces flowering, preventing shedding of buds, flowers, unripe fruits. It increases the size and improves the quality of fruit, thus results in better yield

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml, 1.0 litre & 5.0 litres

LIQUID



Multiplex GIBBERLLIC ACID

COMPOSITION: Growth hormone containing Gibberllic Acid 0.186% SP

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 1 g in 50 liters of water and spray on leaves & bunches.

BENEFITS: Induce flowering & fruiting in agricultural fruit & vegetable crops. Gibberellic acid is a simple gibberellin promoting growth and elongation of cells. Gibberellic acid is a very potent hormone whose natural occurrence in plants controls their development. It is also widely used in the grape-orchards as a hormone to induce the production of larger bunches and bigger grapes and thereby get higher yield.

AVAILABLE PACKING: 1 g

POWDER





PLANT GROWTH REGULATORS

Multiplex MULTINOL

COMPOSITION: Contains Plant Hormone - Triacantanol.

CROPS: Brinjal, Capsicum, Tomato, Cashew, Sugarcane, Paddy, Cauliflower, Cabbage, Groundnut, Beans, Apple, Orange, Potato.

DOSAGE & METHOD OF APPLICATION: **Foliar spray:** After shaking the container thoroughly, dissolve 0.5 ml in one litre of water and spray uniformly over the plant so that leaves are completely drenched. Generally, three sprays are recommended at an interval of 30, 45 and 60 days after transplantation / sowing.

BENEFITS: Multiplex Multinol is an effective plant growth promoter which on application to plants improves plant height, number of branches. It also helps in flower and fruit setting, imparts attractive colour to end produce and increases the yield.

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml, 1 litre & 5 litre

LIQUID



Multiplex MULTINOL-G

COMPOSITION: This contains plant growth hormone Triacantanol-0.05% G.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Apply 5 kg per acre before sowing or transplant and for plantation crops 30 to 50 g per plant.

BENEFITS: Triacantanol hormones in plants is responsible for boosting growth. This increases photosynthetic activity, improves plant height and number of branches. It increases flower and fruit setting, imparts attractive color to the produce and increases yield.

AVAILABLE PACKING: 5 kg & 10 kg

GRANULE



Multiplex GREENMORE

COMPOSITION: Contains Triacantanol 0.05% EC a plant hormone, which is extracted from natural plant products.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 2 ml in one litre of water and apply at the growth stage of plant/ crop. It can be used all agricultural & horticultural crops.

BENEFITS: This hormone acts a growth promoter, increases the yield, with effect on photosynthetic activity of the plant.

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml & 1 litre

LIQUID





PLANT GROWTH REGULATORS

Multiplex PLANT AID

COMPOSITION: Contains Indole Acetic Acid (IAA), Indole Butyric acid (IBA), Gibberlic acid (GA3) and Alpha Naphthyl Acetic acid

CROP: All crops.

DOSAGE & METHOD OF APPLICATION:

Root Dipping: Dissolve 1 gram of Multiplex Plant Aid in one litre of water and dip the cuttings for 30 minutes before planting.

Nursery Beds: Dissolve 1 gram of Multiplex Plant Aid in one litre of water and drench the solution on the nursery bed.

Drip Irrigation: Dissolve 100 to 200 grams in 200 litres of water and fertigate through drip for one acre.

BENEFITS: Enhances faster root establishment in vegetatively propagated plants, helps in profuse root formation, increases root length, girth of roots and density of root hairs. Helps plants to overcome transplanting shock, helps better anchorage of plants in the soil because of profuse rooting.

AVAILABLE PACKING: 100g, 250g & 500g

POWDER



Multiplex ZEE GREEN

COMPOSITION: Contains Gibberellic Acid 0.001% along with Seaweed, Amino acids, Magnesium, Zinc, Iron and Manganese.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: For Crops like Grapes, Cotton, Sugarcane, Paddy, Vegetables, Groundnut, mix 2.5 ml of Multiplex Zee Green in 1 litre of water and spray on plants.

For Banana crop, mix 1.5 ml of Multiplex Zee Green in 1 litre of water and spray on the plants.

For Brinjal / Bhendi and Mulberry crops, mix 1 ml of Multiplex Zee Green in 1 litre of water and spray on plants.

We recommend 2 to 3 sprays depending up on the crop type at an interval of 30 to 45 days.

BENEFITS: It plays a vital role in the cell division and cell elongation process, thereby improves stability and growth of the plant. It helps in better assimilation of nutrients. Increases the rate of flower initiation and in fruit setting and improves size of fruits.

AVAILABLE PACKING: 250 ml, 500 ml & 1 litre

LIQUID





PLANT BIO-ACTIVATORS

Multiplex MULTILAXIN

COMPOSITION: Contains herbal extract with several salts of phosphorus

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 3.0 - 4.0 ml one in litre of water and spray on both the surfaces of leaves.

First spray: Spray can be initiated once fungal attack is noticed.

Second spray: 10 days after first spray.

BENEFITS: Multiplex Multilaxin work as a chemical equivalent to viniferin of grapes, rishtin of rice, phaseeolin of moong. These chemicals are produced by plants after infection to counter the invasion of diseases (it enter the fungal mycelium, restricts the growth and kills the spores. Multilaxin molecules trigger the biochemical reactions to synthesize phototoxins that directly attack the fungal pathogen). It improve resistance to plant diseases and stress.

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml & 1 litre

LIQUID



Multiplex YES

COMPOSITION: Contains a natural bio-polymer derived from crustacean exoskeleton of sea creatures.

CROP: All crops.

DOSAGE & METHOD OF APPLICATION: Dissolve 3 ml in one litre of water and spray on both sides of the leaf. 2 to 3 sprays are recommend for good results.

BENEFITS: MULTIPLEX YES is research based product which boosts plant defense system and enhances the yield, when used.

AVAILABLE PACKING: 250 ml, 500 ml & 1 litre

LIQUID





STICKING / WETTING / SPREADING AGENT

Multiplex MAXIWET

COMPOSITION: Contains Spreading or wetting or sticking agent.

CROP: All the crops where foliar spray is done.

DOSAGE : 1.0 ml per litre of spray solution.

BENEFITS: Better and immediate absorption of Insecticides or fungicides or micronutrients or other fertilizers when sprayed with Multiplex Maxiwet as Maxiwet works as a spreading, penetrating and sticking agent. This will help to avoid drain off. It can also be used with herbicides for maximum coverage and can effectively control the weeds. Maxiwet can also be used as cleaning agent, for sprayers and farm machinery at lower cost. It is non-toxic to plants and free from sodium.

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml, 1 litre & 5 litre

LIQUID



Multiplex NAGASTHA-180

COMPOSITION: Contains Spray adjuvant concentrates (Non Ionic).

CROP: All crops where foliar spray is done.

DOSAGE & METHOD OF APPLICATION: **Foliar spray:** Apply @ 0.4 - 0.5 ml per litre of spray solution. **Use in irrigation:** Wet the ground with a solution of 160 ml adjuvant in 100 litres of water per acre prior to irrigation.

BENEFITS: It works as a spreading, wetting and penetrating agent and provides more uniform spray deposit on plant parts and thereby improves the performance of nutrients, insecticides, fungicides and post emergent herbicides. It enhances the water holding capacity of the soil. It is bio-degradable.

AVAILABLE PACKING: 100 ml, 250 ml, 500 ml, 1 litre & 5 litres

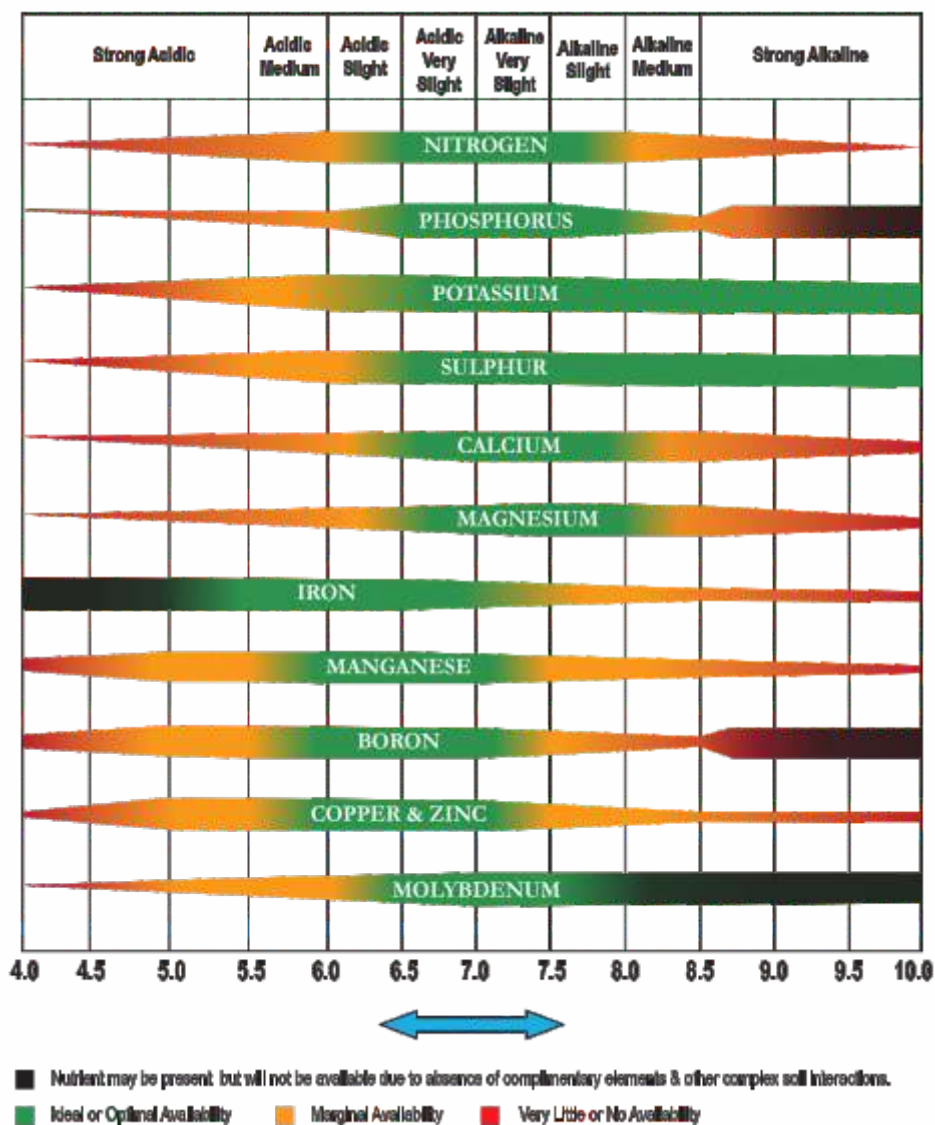
LIQUID





multiplex

SOIL pH & NUTRIENT AVAILABILITY





FERTIGATION FERTILIZER COMPATIBILITY CHART

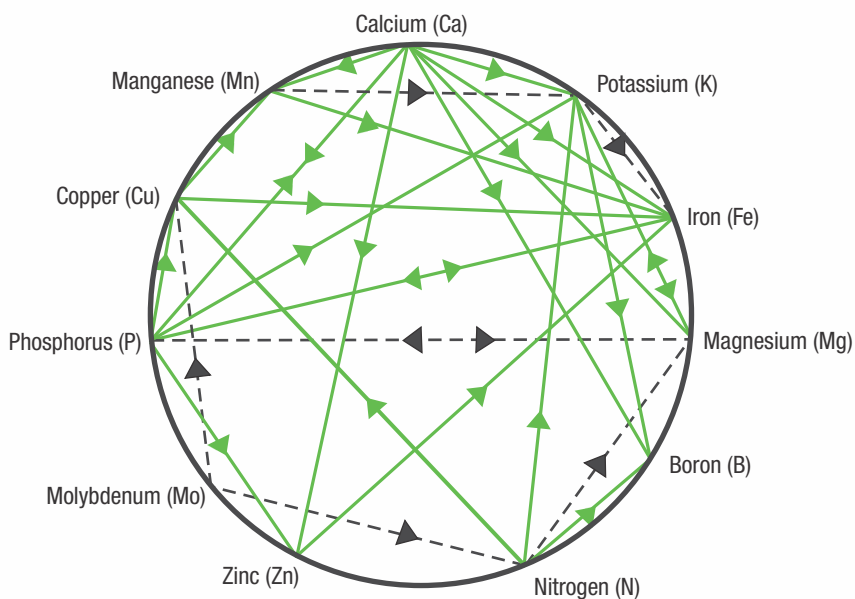
	UREA	AMMONIUM NITRATE	AMMONIUM SULPHATE	CALCIUM NITRATE	POTASSIUM NITRATE	POTASSIUM CHLORIDE	POTASSIUM SULPHATE	AMMONIUM PHOSPHATE	SULPHATE OF Fe, Zn, Cu, Mn	CHELATE OF Fe, Zn, Cu, Mn	MAGNESIUM SULPHATE	PHOSPHORIC ACID	SULPHURIC ACID	NITRIC ACID
UREA	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
AMMONIUM NITRATE	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
AMMONIUM SULPHATE	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
CALCIUM NITRATE	Compatible	Compatible	Incompatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
POTASSIUM NITRATE	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
POTASSIUM CHLORIDE	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
POTASSIUM SULPHATE	Compatible	Compatible	Reduced Solubility	Incompatible	Compatible	Reduced Solubility	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
AMMONIUM PHOSPHATE	Compatible	Compatible	Compatible	Incompatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
SULPHATE OF Fe, Zn, Cu, Mn	Compatible	Compatible	Compatible	Incompatible	Compatible	Compatible	Reduced Solubility	Incompatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
CHELATE OF Fe, Zn, Cu, Mn	Compatible	Compatible	Compatible	Reduced Solubility	Compatible	Compatible	Reduced Solubility	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
MAGNESIUM SULPHATE	Compatible	Compatible	Compatible	Incompatible	Compatible	Compatible	Reduced Solubility	Incompatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
PHOSPHORIC ACID	Compatible	Compatible	Compatible	Incompatible	Compatible	Compatible	Compatible	Compatible	Compatible	Reduced Solubility	Compatible	Compatible	Compatible	Compatible
SULPHURIC ACID	Compatible	Compatible	Compatible	Incompatible	Compatible	Compatible	Reduced Solubility	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
NITRIC ACID	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Incompatible	Compatible	Compatible	Compatible	Compatible

Legend: ■ Incompatible ■ Reduced Solubility ■ Compatible



multiplex

MULDER'S NUTRIENT INTERACTIONS CHART



STIMULATION

High level of a nutrient increases the demand by the plant for another nutrient



ANTAGONISM

Decreased availability of a nutrient to a plant due to the action of another nutrient



BORON

Boron deficiency shows yellowing in younger leaves, stunting, discoloration, death of growing tip and floral abortion. Stems may develop hollow, roughened or cracked. Cracking and dropping is observed in fruits and nuts.



CALCIUM

Calcium deficiency appears first in young leaves. Calcium deficiency shows brown to black color, chlorosis and necrosis of new growing tips and leaf edges. Calcium deficiency can cause severe reduction in new growth and also results in abortion of flower bud and improper formation of fruits.



SULPHUR

Sulphur deficiency exhibits generally yellowing of the younger leaves. In some cases leaves show necrotic margins, delayed maturity and defoliation.



IRON

Iron deficiency observed in younger leaves showing uniform light green chlorosis and older leaves remain unaffected. Leaves are smaller than normal and interveinal chlorotic mottling of immature leaves.



MANGANESE

Manganese deficiency symptoms are exhibited by the mature leaves and they develop pale yellow patches along the margins of the leaves. These extend towards the midrib resulting in interveinal chlorosis.



MOLYBDENUM

Molybdenum deficiency first appears in older and middle-aged leaves and then appear in the younger leaves, leaf margins shows scorching and strapping. New leaves may be twisted, cupped and thickened.



ZINC

Zinc deficiency first shows interveinal chlorosis in young and mid-shoot leaves starting at leaf tip and margins, eventually affecting all growing points of the plant. Zinc deficiency also includes short internodal distance and lesser grain weight.



COPPER

Copper deficiency cause on top leaves, the plants initially going to wilt followed by chlorotic and necrotic areas on leaves and apical meristem. Copper deficiency cause irregular growth and pale green leaves that wither at leaf margins with unusual inward curling.



MAGNESIUM

Magnesium deficiency symptom starts from the margin and then inwards. The leaf mid-rib and veins remains green while leaf margins are yellow or whitish. Chlorotic interveinal yellow patches can occur on leaves.



POTASSIUM

The deficiency symptom which usually begins with the scorching at tip of the leaves and this progressively extend along the margin, leading to the typical marginal scorching which is a characteristic symptom of potassium deficiency.



PHOSPHORUS

The Deficiency of phosphorus in plants shows stunted growth and in mature leaves show a characteristic purplish or bluish green coloration. Mature leaves lose their glossiness and appear dull.



NITROGEN

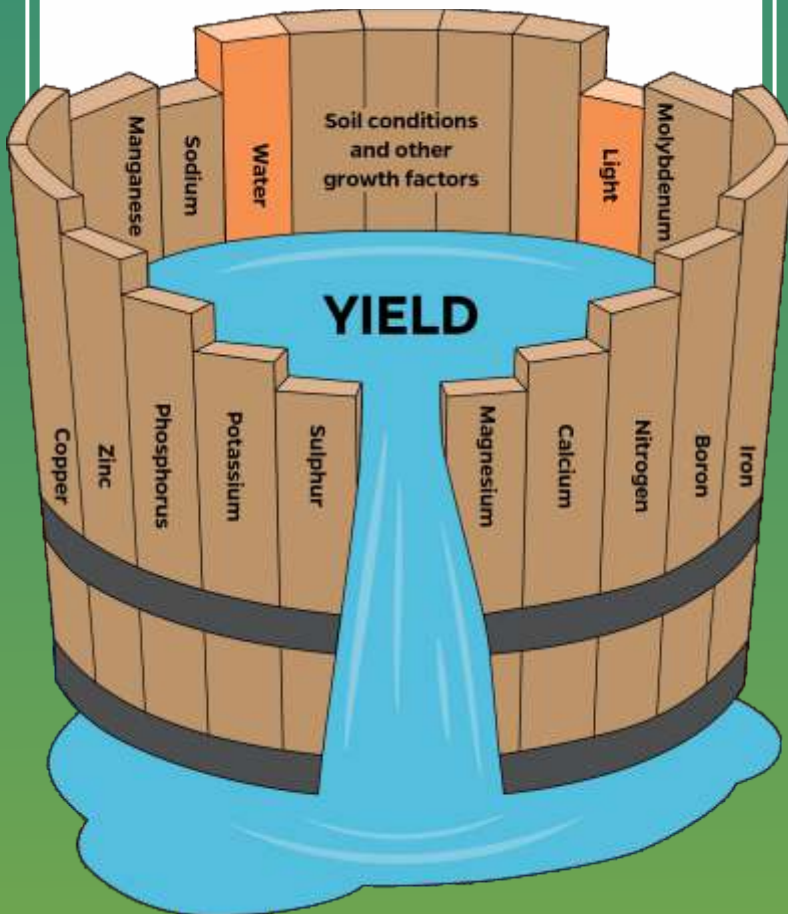
Nitrogen deficiency resembles as generalized yellowing of older leaves and overall growth of the plant can be retarded.



PLANT NUTRIENTS DEFICIENCY ILLUSTRATION

LIEBIG'S LAW OF THE MINIMUM

"The rate of growth of a plant, the size to which it grows, and its overall health depend on the amount of the scarcest of the essential nutrients that are available to it."





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FOR ALL CROPS



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