CENTRAL BIOTECH PVT. LTD.

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*Empowering the farms...*

CENTRAL BIOTECH PVT. LTD.

**Central Biotech Group of Companies**

- **Central Biotech Pvt. Ltd.**
- **Central Biotech**
- **Encon Organic Pvt. Ltd.**

## INTRODUCTION

**Central Biotech Pvt. Ltd.,** an ISO 9001 : 2015 certified company, is one of the leading companies, engaged in production & supply of agrochemicals, mainly water soluble fertilizers, straight & mixed micronutrient fertilizers, plant growth stimulants, Pesticides & Hydrolysed Proteins.

Our strong technical background & years of experience in the agriculture sector has made us one of the top manufacturers of high quality products with a large share in the agrochemical segment.

We have well developed R&D facility with a team consisting of several scientists continuously striving towards improving & innovating newer products. Combining the skills of our experienced lab scientists with latest technology, we have set a strong foothold in this industry. We are also equipped with in-house testing & research facilities, which helps us in the formulation of pure & high quality agrochemicals. Large production capacity & packaging facilities enables us to meet ever increasing market demand very easily.

Central Biotech group is associated in the welfare & growth of farmers in India, by empowering the farms with a team of expert professionals. We believe in offering our farmers efficient solutions for their unique requirements about farming & consistently strive to provide innovative & quality products & services to our farmers.

## Our Products

- Water Soluble NPK Fertilizers.
- Micronutrients Mixture Fertilizers.
- Straight Fertilizers.
- Pesticides for Agriculture.
- Plant Growth Stimulants.
- Hydrolysed proteins.
- Veterinary Feed Suppliments.



## Micronutrient Mixture Fertilizers

### Nutrox

Micronutrients play an active role in the plant metabolism process, starting from cell wall development to respiration, photosynthesis, chlorophyll formation, enzyme activity & nitrogen fixation & reduction etc. When these nutrients are marginally deficient, the plant suffers silently & does not produce any visible signs of hunger but it's productivity goes down. A farmer must ensure that his crop is not suffering from hidden hunger; otherwise he will get less yield.
Nutrox is the most effective source for correcting micronutrient deficiencies, ensuring better & balanced nutrient supply. Nutrox contains all micronutrients (except boron & molybdenum) in 100% "Chelated" form. As the micronutrient ions are perfectly chelated, nutrient losses by fixation are negligible. Nutrox, a research based product provides all the micronutrients to the plant without any losses.

**Packing available –** 1 kg, 500 g, 250 g, 100g
**Doses -** 750 g / ha

### Micron

Micron, an amino acid chelated micronutrient mixture provides essential plant nutrients such as Zinc, Iron, Mangnese, Copper, Boron & Molybdenum. In addition it also contains all essential amino acids required for healthy growth of plants. Micronutrients chelated with amino acids are easily absorbed by the plant system ensuring better & balanced nutrition.

**Packing available –** 1 kg, 500 g, 250 g, 100g
**Doses -** 750 g / ha

# Florigen

Florigen, the 100% chelated micronutrient mixture fertilizer provides all essential plant nutrients such as Zinc, Iron, Mangnese, Copper, Boron & Molybdenum. In addition it also contains carboxylic acid and all essential amino acids required for healthy growth of plants. Micronutrients with amino acids & carboxylic acid are easily absorbed and translocated in plant system ensuring better & balanced nutrition.

**Packing available –** 1 kg, 500 g, 250 g, 100g
**Doses -** 750 g / ha

# Mahasamrat

Mahasamrat is 100% chelated micronutrient mixture fertilizer which provides all essential plant nutrients such as Zinc, Iron, Mangnese, Copper, Boron & Molybdenum. In addition it also contains cytokinine and keratin required for healthy growth of plants. Micronutrients with cytokinine and keratin helps in increasing metabolic processes like photosynthesis, enzyme activation and cell multiplication etc.

**Packing available –** 1 kg, 500 g, 250 g, 100g
**Doses -** 750 g / ha

# Vigour

Vigour, is 100 % chelated micronutrient mixture fertilizer. It provides essential plant nutrients such as Zinc, Iron, Mangnese, Copper, Boron & Molybdenum. In addition it also contains all essential amino acids & Fulvic acid required for healthy growth of plants. It is used for enhancing the yield of all agriculture & horticultural crops.
Vigour improves uptake of NPK & macro nutrients. It reduces flower drop. Vigour helps in uniform fruiting leading to better quality of fruits.

**Packing available –** 1 kg, 500 g, 250 g, 100g
**Doses –** 750 g / ha

# Phytocare

Phytocare, a research based product, provides essential plant nutrients such as zinc, iron, manganese, copper in partially chelated form & boron & molybdenum in predetermined proportions.
Phytocare is formulated for soil application . We manufacture different grades of micronutrient mixture as per notification of various state governments in India.

**Packing available –**
Phytocare ZINC HIGH - 5 kg, 10 kg, 50 kg
**Doses –** 25 kg /ha (Soil application)

## Phytocare Racer

( Micronutrient Mixture Fertilizer with Amino Acids )

Phytocare Racer is a unique combination of Micronutrients & all 16 essential Amino acids. It has multiple effect of correcting the micronutrient deficiencies & supplying all amino acids to boost up plant health. Micronutrients chelated with amino acids are easily absorbed by the plant system ensuring better & balanced nutrition. In addition, amino acids help to develop health & vigour of plants resulting increased yield.

**Packing available –** 5 Ltr, 1 Ltr, 500 ml, 250 ml & 100 ml

**Doses –** 1.5 Ltr/ha (Foliar Spray)

## Microgold

**( Chelated MMF liquid)**

**Microgold** is a liquid formulation supplying essential micronutrients such as zinc, iron, mangnese, copper in chelated form & boron & molybdenum in predetermined proportions for balanced nutrition of plants.

**Packing available –** 5 Ltr, 1 Ltr, 500 ml, 250 ml

**Doses –** 1500 ml. / ha (Foliar Spray)

## Straight Micronutrient Fertilizers

## Zeron

**(Zinc EDTA -12%)**

Zeron, the 100 % chelated Zinc, with EDTA, is the most effective source to correct zinc deficiency of all crops. Being chelated it is easily absorbed by the plants. **Zeron ,** when used as soil application or foliar spray, the plant system absorbs zinc very quickly. Zeron is superior to all other forms of zinc sources, as it minimizes the danger of being fixed in the soil. Zeron improves crop production as much as major nutrient do. Zeron is involved in synthesis of some amino acids & auxins. It is vital for oxidation process in plant cells & improving the content of protein, tannin, sugar & lipids in plants & seeds.

**Packing available –** 1 kg, 500 g, 250 g, 100g

**Doses -** 750 g / ha

## Swing

**Boron** (D.O.T.-20% Boron)

**Swing** Boron, chemically, Disodium octaborate tetrahydrate, is a highly concentrated & completely water soluble source of boron. It contains 20 % boron. Swing Boron is the easiest way to overcome boron deficiency of crops.

**Packing available –** 1 kg, 500 g, 250 g

**Doses –** 1 kg/ha (Foliar Spray)

## Straight Micronutrient Fertilizers

# Ferron

**(Fe- EDTA -12%)**

Ferron, the 100 % chelated Iron, with EDTA, is the most effective source to correct Iron deficiency of all crops. Being chelated it is easily absorbed by the plants. Ferron , when used as soil application or foliar spray, the plant system absorbs Iron very quickly. Ferron is superior to all other forms of Iron sources, as it minimizes the danger of being fixed in the soil.

**Packing available –** 1 kg, 500 g, 250 g, 100g
**Doses -** 750 g / ha

# Glorious

**Mg-EDTA- 5%**

**Swing** Boron, chemically, Disodium octaborate tetrahydrate, is a highly concentrated & completely water soluble source of boron. It contains 20 % boron. Swing Boron is the easiest way to overcome boron deficiency of crops.

**Packing available –** 1 kg, 500 g, 250 g
**Doses –** 750 g/ha

# Glory

Magnesium Sulphate - 9.6%

Glory is the most effective source for correcting magnesium deficiency of crops. Glory plays an important role in chlorophyll synthesis & activation of enzymes. Glory stimulates & regulates enzyme actions for growth & development of crop. It increases the chlorophyll content & prevents chlorosis & spiralling of leaves.

**Packing available –** 1 kg, 5 kg, 25 kg
**Doses –** Foliar Spray - 2.5 kg /ha
Soil application 25 kg /ha

# Composite

Ferrous Ammonium Sulphate
Fe-11% : N -5%

Composite, a combination of soluble Iron, Nitrogen & Sulphur is a very useful product to supply Iron & Nitrogen in readily available forms to the plants. Composite eliminates Iron chlorosis & enhances chlorophyll synthesis & photosynthesis. Composite also generates greater root growth.

**Packing available –** 1 kg, 5 kg, 25 kg
**Doses –** 15kg /ha (For Soil Application only)

# Alliance

## Calcium Nitrate
## Ca-18.8% : N -15.5%

Plants cannot grow without calcium. Calcium is one of the most consumed nutritious elements by plants together with nitrogen & Potassium.
Alliance improves fruit quality, shelf life, strengthen the cell wall and helps protecting the plant from stress & diseases.

**Packing available –** 1 kg, 5 kg, 25 kg
**Doses –** 2.5 kg /ha

# Prom

Phosphate Rich Organic Manure (PROM) is a type of fertilizer used as an alternative to Diammonium Phosphate & Single Super Phosphate. Phosphorus is required by all plants but is limited in soils. Excess application of chemical fertilizers, in fact reduces the agricultural production as chemicals destroy natural soil flora & fauna.
When DAP or SSP is applied to the soil, only 30% of the Phosphorus is used by the plants, while rest goes into the fixation, which cannot be utilized by plants. Using organic manure with phosphate rock improve phosphate content in the alkaline soil. The organic manure ensure availability of phosphate to the next crop unlike DAP. Researches show that Phosphate Rich Organic Manure increases the crop yield as compared to chemical phosphatic fertilizer while reducing input cost.
Phosphate Rich Organic Manure increases soil fertility & productivity as it contains organic matter which promotes growth of beneficial Nitrogen fixing & phosphate solublising bacteria.

**Packing available –** 50 kg
Doses – 250 kg /ha



## Water soluble NPK fertilizers

Water soluble NPK fertilizers, used as a foliar spray, are the most efficient & readily available source of major nutrients for plants. These are quickly absorbed by the plants & are superior to the fertilizers applied through soil. Central Biotech has developed & produced following 100 % water soluble NPK fertilizers.

### Regain
NPK-19:19:19
**Packing available –** 1 kg, 5 kg, 25 kg
**Doses –** 2.5 kg /ha (Foliar Spray)

### Phosvin
NPK-12:61:00
**Packing available –** 1 kg, 5 kg, 25 kg
**Doses –** 2.5 kg /ha (Foliar Spray)

### Protect
NPK-13:00:46
**Packing available –** 1 kg, 5 kg, 25 kg
**Doses –** 2.5 kg /ha (Foliar Spray)

### Prosper
NPK- 00:00:50
**Packing available –** 1 kg, 5 kg, 25 kg
**Doses –** 2.5 kg /ha (Foliar Spray)

### Promote
NPK- 00:52:34
**Packing available –** 1 kg, 5 kg, 25 kg
**Doses –** 2.5 kg /ha (Foliar Spray)

### Esteem
NPK- 13:40:13
**Packing available –** 1 kg, 5 kg, 25 kg
**Doses –** 2.5 kg /ha (Foliar Spray)

## Plant Growth Stimulants

# Racer

( PGR based on amino acids )

Racer is a mixture of 16 amino acids, derived from natural sources. It is used for enhancing the yield of all agriculture, horticulture, floriculture & plantation crops. Amino acids are integral part of plant cells, which carry out all necessary functions in plant cells. Only lustrous & vegetative growth doesn't mean complete nourishment of plant. For this reason, supply of all essential sixteen amino acids in a balanced form is obligatory. It is necessary to keep the health of plant intact for its whole life while exploiting the yield. It is proved that Racer helps to increase productivity by supplying all essential amino acids in a balanced form. Racer is suitable for organic farming.

**Packing available –** 5 Ltr, 1 Ltr, 500 ml, 250 ml & 100 ml
**Doses –** 1.5 Ltr. / ha (Foliar Spray)

# Phytohume

Phytohume is an organic product based on humic acids. It is the end product of microbial degradation of plants & animal debris & is one of the most important constituents of fertile soil.
Phytohume stimulates root & shoot growth & improves the uptake of phosphate & micronutrients from soil. It acts as a chelating agent, growth stimulants, catalyst & buffer, against complicated soil conditions affecting plants.

**Availability**- Phytohume is available in liquid & granular form.
**Rootex-G** is the granular form, intended for soil application.
**Crystal** is the concentrated form containing 98% Potassium humate.

**Packing available – Phytohume -** 5 Ltr, 1 Ltr, 500 ml, 250 ml, & 100 ml
**Rootex –** G – 5 kg, 8 kg, 10kg, 25 kg,
**Crystal -** 50 g, 100g, 250 g, 500g, 1kg
**Doses -**
**Rootex-** 15-20 kg/ha (Soil application)
**Phytohume -** 1.5 Ltr/ha
**Crystal -** 1kg/ha

# Florigen Super

Florigen is a powerful biostimulant especially useful for profuse flowering. It is a unique combination of N- ATCA & essential amino acids.
Generation of flowers is a complex process for which secretion of harmones is necessary. Active ingredients of florigen causes significant changes in the biochemical activities of plant leading to development of harmones. This complex biochemical action leads to profuse flowering.

**Packing available –** 1 Ltr, 500ml, 250ml, 100ml, 50ml,15ml
**Doses –** 500-750 ml / ha (Foliar Spray)

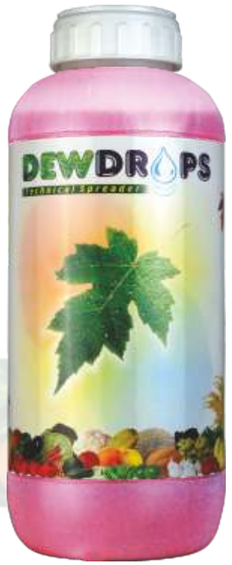
# Mahasamrat

Mahasamrat is a powerful biostimulant useful for fast vegetative growth, in early growth stages of crops. Mahasamrat also acclerates profuse flowering resulting in increased yield . It contains all necessary amino acids & plant hormones in a balanced form. It activates cell division & multiplication process.

**Packing available –** 1 Ltr, 500ml, 250ml, 100ml, 50ml,15ml
**Doses –** 500-750 ml / ha (Foliar Spray)

# Dewdrops

Technical Spreader




Dewdrops is a strong Technical Spreader which is useful in every spray of pesticides & fertilizers. It improves dispersing & spreading quality of spray, ultimately improved efficacy.

**Packing available –** 5 Ltr, 1 Ltr, 500 ml, 250 ml, 100 ml
**Doses -** 500-750 ml/ha

# Champion

Champion is a unique organic product specially formulated for high value crop. It is a unique combination of essential amino acids & plant growth harmones. Champion enhances the uptake of plant nutrients, promotes enzymatic activities in plant cells & increases photosynthesis.
Champion stimulates vegetative growth, improves flowering & fruit setting & also improves size, colors & keeping quality of the produce.

**Packing available –** 5 Ltr, 1 Ltr, 500 ml, 250 ml
**Doses -** 1.5 Ltr/ha (Foliar Spray)



# Coral

Coral improve crop yoeld by :

- Accelerating germination.
- Enhancing seeding vigor and root growth.
- Improving uptake and translocation of micro and macro nutrients.
- Influencing enzyme systems.
- Inducing early maturity.
- Helping plants to resist drought.
- Resulting in higher yield and better quality of crop.

**Coral is recommanded to be used as -**

**Seed Treatment :**
5.00 to 10.0 g / kg Seed in sufficant quantity of water.

**Seeding / Root Dip :**
2.0 g per liter of water.

**Foliar Spray :**
250 to 300 g per he.

**For Drenching :**
1 g per liter of water.

**Packing available –** 50 g, 100g, 250 g, 500g, 1kg

# Express

Express is a powerful biostimulant that supplies all essensial 16 amino acids nutrients drived from Plants / Animal sources for enhanced yield. It is useful for all Agricultural, Horticultural, Floricultural crops. Express issuitable for organic farming.

**Packing available –** 5 Ltr, 1 Ltr, 500 ml, 250 ml
**Doses -** 1.5 Ltr/ha (Foliar Spray)

## Crop Protection Division

Under our crop protection division, we are manufacturing world class pesticides for crop protection. While formulating these products intensive care is taken to produce best quality products of higher purity & efficacy. Modern formulation science technology gave birth to newer molecules of pesticide additives, emulsifier & adjuvants. All these advanced inventions helped us to formulate better quality pesticides.

**A)Insecticides :-**

| Trade Name | Technical Name |
|---|---|
| 1) Orion - | Acephate 50% + Imidacloprid 1.8% SP |
| 2) Acitop - | Acephate 75% SP |
| 3) Static - | Acetamiprid 20 % SP |
| 4) Reply - | Buprofezin 25 % SC |
| 5) Axis - | Butachlor 50% EC |
| 6) Jaguar - | Cartap Hydrochloride 50 % SP |
| 7) Jaguar G-4 - | Cartrap Hydrochloride 4% GR |
| 8) Platinum - | Chlorantraniliprole 18.5% SC |
| 9) Monitor - | Chlorpyrifos 20% E.C. |
| 10) Pyramid - | Chlorpyrifos 50% E.C. |
| 11) Crescent - | Dichlorvos - 76 % E.C. |
| 12) Dolphine - | Dicofol 18.5% E.C. |
| 13) Neuron - | Emamectin Benzoate 5% SG |
| 14) Spider - | Ethion 40 % + Cypermethrin 5% E.C. |
| 15) Orbit - | Fenpropathrin 30% EC |
| 16) Nebula - | Fipronil 5 % SC |
| 17) Collision - | Flubendiamide - 39.35% m/m SC |
| 18) Volcano - | Imidacloprid 17.8% SL |
| 19) Lancet - | Imidacloprid 70% WG |
| 20) Ultimate - | Lambdacyhalothrin 5% EC |
| 21) Neem Plus - | Neem Oil Based EC containing Azadirachtin -0.03% (300 PPM) Min. |
| 22) Neem Ultra - | Neem Seed Kernel Based EC Containing Azadirachtin - 1% (10000 ppm) min. |
| 23) Neem Super - | Neem Seed Kernel Based EC containing Azadirachtin 0.15% EC (1500 ppm) min |
| 24) Neem Gold - | Neem Seed Kernel Based EC containing Azadirachtin 0.3% w/w min (3000 ppm) |
| 25) Rapid - | Phorate 10% C.G |
| 26) Jet - | Profenofos 40% + Cypermethrin 4% E.C. |
| 27) Proton - | Profenophos 50% EC |
| 28) Quickheal - | Quinalphos - 25% EC |
| 29) Armada - | Thiamethoxam 25% WG |
| 30) Trizocen - | Trizophos 40% E.C. |

**B)Fungicides :-**

| | |
|---|---|
| 1) Wave - | Captan -70% + Hexaconazole 5 % WP |
| 2) Mountain - | Carbendazim 12% + Mancozeb 63 % WP |
| 3) Galaxy - | Carbendazim 50% WP |
| 4) Oxycop - | Copper Oxychloride 50% WP |
| 5) Hexagold - | Hexaconazole 5 % EC |
| 6) Zed - | Kasugamycin - 3% S.L. |
| 7) Zeb Mancozeb - | Mancozeb 75% WP |
| 8) Metagyl - | Metalaxyl 35% W.S. |
| 9) Blaster - | Metalaxyl 8% + Mancozeb 64% WP |
| 10) Still - | Propiconazole 25 % E.C. |
| 11) Cenvet - | Sulphur 80% W.P |
| 12) Square - | Tricyclazole 75% W.P. |

**C)Weedicides :-**

| | |
|---|---|
| 1) Complex - | 2,4-D Ethyl Ester 38% E.C. (Having 2,4-D, Acid 34% w/w) |
| 2) Rider - | Glyphosate 41% S.L. |
| 3) Parachute - | Imazethapyr 10% SL |

**D)Growth Regulators :-**

| | |
|---|---|
| 1) Blossom - | Chlormequat Chloride 50% Sol. |
| 2) Boost - | Gibberelic Acid 0.001% L |
| 3) Gibberlin - | Gibberellic Acis 0.186% S.P. |
| 4) Marlin - | Triacontanol EC 0.05% Min. |

## Fertilizers for bulk supply

| | |
|---|---|
| | 100% Chelated Micronutrients mix fertilizer (Chelated with EDTA)<br>(Grades notified by various state govt. of India) |
| | 100% EDTA Chelated micronutrient mixed fertilizer with additional Amino Acid & Fulvic Acid<br>(Grades notified by various state govt. of India) |
| | Micronutrients mix fertilizer (Chelated with Amino acid)<br>(Grades notified by various state govt. of India) |
| | Ferrous EDTA 12 % |
| | Copper EDTA 12 % |
| | Zinc EDTA 12 % |
| | NPK - 19:19:19 ( 100% Water Soluble Fertilizer for Foliar Spray & Drip Irrigation) |



## Food Division

Under the Food Division we are manufacturing hydrolysed vegetable protein & amino acids. Protein is needed to build & maintain muscles, repair muscle damage, maintain fluid & electrolyte balance & provide energy. We supply these products in bulk to various industries like Food, Veterinary & Agrochemicals. We have technical collaboration with Central Food Technological Research Institute, Mysore for research, development, production & marketing of these products.