



**Mehin Total Chemical Pvt. Ltd.**

An ISO 9001-2008 & ISO 14001-2004 Certified Company



## Company Profile

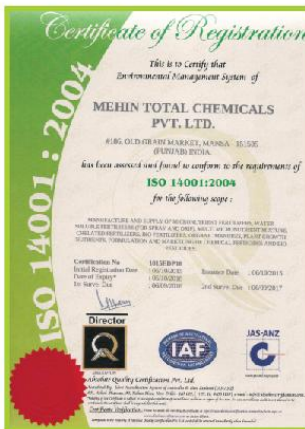
Mehin Total Chemicals Pvt. Ltd. is an ISO 9001-2008 & 14001-2004 certified company.

Mehin Total Chemicals Pvt. Ltd. is well known manufacturer and suppliers of a wide range of fertilizers and agro chemicals. The company was incorporated for setting up of a wide range of water soluble fertilizers (for spray and drip), bio fertilizers, amino acid based nutrients, plant growth regulators/stimulants, Chelated and micronutrient fertilizers.

All the products are well tested before being brought to the market. This gives us the assurance that the products do not have adverse effect on the plants. The products are packed in a proper manner to avoid any damaging.

With years of experience in this field, we understand the requirements of our clients and cater to them accordingly. Our high quality products, transparent business practices, on time delivery, etc. have empowered us to reach a high position in the market.

Our in house research and development facility well qualified technical team along with well established infrastructure at Mansa (Punjab) add strength, in our commitment to serve farmers with quality material at affordable price and most importantly honest advise and service.





## WATER SOLUBLE FERTILIZERS

### UNIFERT 19:19:19

- NPK 19-19-19 (Imported 100 % Water Soluble Foliar Spray Fertilizer) is free-flowing, fine crystalline powder which dissolves speedily and completely in water
- UNIFERT 19:19:19 is useful specially for healthy vegetative growth of young seedlings and growing plants
- UNIFERT 19:19:19 is virtually free from chloride sodium and other harmful elements of plants
- Spray Recommendations: 4 - 5 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing: 1 Kg multicolor poly pouch and 25 kg



### UNIFERT 00:52:34

- MKP 00-52-34 (Imported 100 % Water Soluble Foliar Spray Fertilizer), is free-flowing, fine crystalline powder which dissolves speedily and completely in water
- UNIFERT 00:52:34 is the best suited for excellent flowering and fruit setting / fruit development
- UNIFERT 00:52:34 foliar application has significant controlling effects on fungal diseases and also compatible with majority of pesticides
- UNIFERT 00:52:34 is virtually free from Chloride, Sodium and other harmful elements for plants
- Spray Recommendations: 5-6 gm / Lit of Water for Fruit Crops / Vegetables / Kharif-Rabi Crops
- Packing: 1 Kg multicolor poly pouch / 25 Kg



### UNIFERT 13:00:45

- NPK 13-00-45 (Imported 100% Water Soluble Foliar Spray Fertilizer) is free-flowing, fine crystalline powder which dissolves speedily and completely in water
- UNIFERT 13:00:45 is useful for excellent fruit setting & fruit development
- UNIFERT 13:00:45 is virtually free from chloride, sodium & other harmful elements for plants
- Spray Recommendations: 7-10 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing: 1 Kg multicolor poly pouch / 25 Kg



### UNIFERT 13:40:13

- NPK 13-40-13 (Imported 100% Water Soluble Foliar Spray Fertilizer) is free-flowing, fine crystalline powder which dissolves speedily and completely in water
- UNIFERT 13-40-13 is useful for excellent vegetative and reproductive growth
- UNIFERT 13-40-13 is virtually free from chloride, sodium & other harmful elements for plants
- Spray Recommendations: 5-6 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing: 1 Kg multicolor poly pouch / 25 Kg



### UNIFERT 00:00:50

- SOP 00-00-50+17.5 Sulphur (Imported 100 % Water Soluble Foliar Spray Fertilizer) is a free-flowing, fine crystalline powder which is fully soluble in water
- UNIFERT 00:00:50 contains sulphur which helps to improve shelf life of fruits besides sugar content
- UNIFERT 00:00:50 is useful for fruit quality, bumper fruit weight, fruit color, shining etc.
- Spray Recommendations: 8-12 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing: 1 Kg multicolor poly pouch / 25 Kg



### UNIFERT 12:61:00

- MAP 12-61-00 (Imported 100 % Water Soluble Foliar Spray Fertilizer) is free-flowing, crystalline powder which dissolves speedily and completely in water
- UNIFERT 12:61:00 is useful for uniform bumper and healthy flowering
- UNIFERT 12:61:00 is virtually free from chloride, sodium and other harmful elements for plants
- Spray Recommendations: 5-6 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing: 1 Kg multicolor poly pouch / 25 kg



### UNIFERT 16:08:24

- NPK 16-08-24 (Imported 100% Water Soluble Foliar Spray Fertilizer) is free-flowing, fine crystalline powder which dissolves speedily and completely in water
- UNIFERT 16-08-24 is useful for healthy vegetative growth, flower & fruit setting & fruit maturity
- UNIFERT 16-08-24 is virtually free from chloride, sodium & other harmful elements for plants
- Spray Recommendations: 5-6 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing: 1 Kg multicolor poly pouch / 25 Kg



**UNIFERT 17:44:00**

- NPK 17:44:00 (Imported 100% Water Soluble Foliar Spray Fertilizer) is free-flowing, fine crystalline powder which dissolves speedily and completely in water
- UNIFERT 17:44:00 is useful for uniform bumper and healthy flowering & root development
- UNIFERT 17:44:00 is virtually free from chloride, sodium & other harmful elements for plants
- Spray Recommendations : 5-6 gm / Lit of water for Fruit crops /Vegetables / Kharif - Rabi crops
- Packing: 1 Kg multicolor poly pouch / 25 Kg

**UNIFERT 20:20:20**

- NPK 20:20:20 (Imported 100% Water Soluble Foliar Spray Fertilizer) is free-flowing, fine crystalline powder which dissolves speedily and completely in water
- UNIFERT 20:20:20 is virtually free from chloride, sodium & other harmful elements for plants
- Spray Recommendations : 5-6 gm / Lit of water for Fruit crops /Vegetables / Kharif - Rabi crops
- Packing: 1 Kg multicolor poly pouch / 25 Kg

**UNIFERT 12:32:14**

- NPK 12:32:14 (Imported 100% Water Soluble Foliar Spray Fertilizer) is free-flowing, fine crystalline powder which dissolves speedily and completely in water
- UNIFERT 12:32:14 is virtually free from chloride, sodium & other harmful elements for plants
- Spray Recommendations : 5-6 gm / Lit of water for Fruit crops /Vegetables / Kharif - Rabi crops
- Packing: 1 Kg multicolor poly pouch / 25 Kg

**MEHIN'S POTASSIUM SCHOENITE**

- K (as K<sub>2</sub>O) – 23% Minimum, MgO-11 % maximum
- Mehin's Potassium Schoenite is free flow 100% water soluble fertilizer. It supplies K, Mg and S in a balanced proportion that fits the nutrient needs of many crops.
- Foliar spray - 5kg per acre should be applied
- Packing – 5 kg and 25 kg

**MICRONUTRIENTS AND CHELATED MICRONUTRIENT FERTILIZER****BOROSOL**

- Boron 20% (DOT) (100% Water Soluble Foliar Spray) is free-flowing, fine milk white color powder which dissolves speedily and completely in water
- BOROSOL helps to induce more flowers, to prevent flower droppings & to avoid fruit cracking
- Foliar Spray Application : 3-4 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Drip – Soil Application : 1-2 Kg / Acre for Fruit crops / Vegetables / Kharif - Rabi crops,
- Packing : 500 gm Multicolor poly pouch

**MEHIPENTA-B**

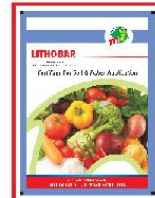
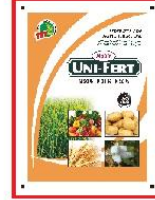
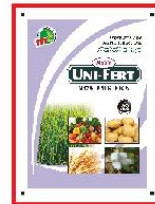
- Boron 14.6 % (100% Water Soluble Foliar Spray or Soil application) is free-flowing white crystal which dissolves speedily and completely in water
- Mehipenta B helps to induce more flowers, to prevent flower droppings & to avoid fruit cracking
- Foliar Spray Application : 3-4 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Soil application – 3 Kg per acre

**LITHOBAR**

- Boron 10.5 % (100% Water Soluble Foliar Spray or Soil application) is free-flowing white crystal which dissolves speedily and completely in water
- Foliar Spray Application : 3-4 gm / lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Soil application – 3-4 Kg per acre
- Packing – 500 gm and 1 kg multi colour poly pouch

**CHELRON - FE**

- Fe 12% (EDTA Chelated) (100 % Water Soluble Foliar Spray) is free-flowing, fine Yellow color powder which dissolves speedily and completely in water
- CHELRON - Fe helps to prevent Iron Deficiencies in different crops occurred gradually at different growth stages of crops Foliar Spray
- Application : 2-3 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing : 100 gm, 500 gm multi colour poly pouch





#### **SUMO ZINC**

- Zn 12% (EDTA Chelated) (100 % Water Soluble Foliar Spray) is free-flowing, fine White color powder which dissolves speedily and completely in water
- SUMO ZINC helps to prevent Zinc (Zn) Deficiencies in different crops occurred gradually at different growth stages of crops
- Foliar Spray Application : 2-3 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing : 100 gm, 500 gm poly pouch



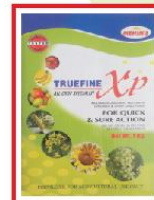
#### **MEHI MANG**

- MN 12% (EDTA Chelated) (100 % Water Soluble Foliar Spray) is free-flowing, fine White color powder which dissolves speedily and completely in water
- Foliar Spray Application : 2-3 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing : 100 gm, 500 gm poly pouch



#### **TRUEFINE**

- Chelated micro nutrient mixture (state Grade) or Combi mixtures / Micro-elements are solid micro-granulated formulation
- Truefine is recommended for preventing or correcting plant deficiencies caused by a lack of iron, manganese, zinc, copper, boron and molybdenum in agriculture, horticulture, floriculture
- It gives all essential six elements to the crop, which helps in correcting various deficiencies of the crop & in turn benefits it with a higher yield & healthy crop
- Foliar Spray Application : 2-3 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing : 500 gm poly pouch



#### **JIWAN**

- Manganese Sulphate (as Mn-30.5 %, Sulphur – 17 %) (100% Water Soluble Foliar Spray) ) is free flowing, crystalline which dissolves speedily and completely in water
- It increases and develops the protection capacity in crops
- Foliar Spray Application : 5 - 6 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing : 1 Kg Multicolor poly pouch



#### **MEG**

- Magnesium Sulphate (Hepta Hydrate) (100% Water Soluble Foliar Spray) is free flowing, crystalline which dissolves speedily and completely in water
- MEG helps to keep plant leaves green by maintaining chlorophyll levels & thus helps in growth
- MEG has efficient source of soluble Magnesium and Sulphur essential for high-tech production systems
- Foliar Spray Application : 3 - 5 gm / Lit of water for Fruit crops / Vegetables / Kharif - Rabi crops
- Packing : 500 gm & 5 Kg Multicolor poly pouch



#### **LOHA SHAKTI**

- Ferrous Sulphate (Fe- 19% and S-10.5%)
- Ferrous sulphate is most commonly used source of iron.
- Soil application @ 5 kg/acre is recommended.
- Foliar spray – 1 kg Loha Shakti per acre, 2-3 times at weekly interval.
- Packing – 5 kg multicolour poly pouch



#### **CALCIUM NITRATE**

- Calcium Nitrate (Imported 100 % Water Soluble Foliar Spray Fertilizer) is a dense granular fertilizer which dissolves quickly and completely in water
- UNIFERT Calcium Nitrate helps plants for tolerance to diseases and insect infection due to cell strength. It prevents cracking, rotting in fruit/vegetables
- UNIFERT Calcium Nitrate is virtually free from chloride, sodium and other harmful elements for plants
- Spray Recommendations : 3-5 gm / Lit of Water for Fruit Crops / Vegetables / Kharif - Rabi Crops,
- Packing : 5 Kg multicolor poly pouch / 25 kg



#### **SULF 90%**

- Bentonite Sulphur 90 % (5-90 % and Bentonite clay -10 %)
- Soil application @ 10-15 kg/acre
- Packing – 5 kg and 25 Kg multicolour poly pouch



#### **MEHIN 33 %**

- Zinc sulphate monohydrate (Zn -33 %)
- Foliar Spray- 5-6 gm/lit of water
- Packing – 500 gm multi colour poly pouch



### **BIO FERTILIZERS**

#### **DP PLUS**

Phosphate Solubilizing Bacterial Bio Fertilizer (PSB)

- The effective strains used in DP Plus enhance P uptake
- DP Plus increases the yield of different crops by 10-35%
- DP plus produces growth promoting substances such as auxin & cytokinin which are useful for increasing the seed germination, plant growth and ultimately the yield.
- Converts insoluble phosphate (Rock Phosphates, soil inert P fraction and other low grade inert P sources) into soluble orthophosphate easily available to plants.
- Eco friendly and easy to use and broadcasting.
- Saving of phosphatic fertilizers by application of PSB bio fertilizer
- Seed Treatment: 250 g of DP plus in 300-400 ml water and mixed thoroughly. Ten kg seeds are treated with this paste and dried in shade. The treated seeds have to be sown as soon as possible.
- Seedling Root Dip: 250 g of DP Plus are suspended in 50 ltrs of water & mixed thoroughly. The roots of seedlings are dipped in for 8-10 minutes and treated seedlings have to be transplanted as soon as possible.
- Soil Treatment: 3-5 kg of DP plus is mixed in 200 kg of compost and kept overnight. This mixture is incorporated in soil at the time of sowing or planting in one acre.



#### **RAIZA**

Mycorrhizal Biofertilizer

- Raiza increases the absorbing area of roots from 10 to 1000 times and the same extensive network of fungal filaments enhances the nutrient uptake efficiency of plant.
- Raiza maintains sufficient moisture content near rhizosphere of roots and also protect plant by fighting against plant pathogenic soil born fungi.
- Raiza also secretes necessary plant growth promoting hormones that help plant roots, shoot and fruits growth.
- In non-irrigated conditions, mycorrhizal plants are under far less drought stress compared to non-mycorrhizal plants.
- Nursery Application: In nursery bags of seedlings, use about 7-10 grams of Raiza. This can be mixed with red soil, sand and compost and filled in the bags.  
Mix 4 Kg of Raiza in the soil mixture needed for one acre seed and use accordingly.
- Pit Application: Mix about 30 g of Raiza with 300 grams of compost and fill in the pits before planting. After planting, mix about 30 grams of Raiza with 300 grams of compost and apply in basins around the plants/trees. For perennial trees, three applications are required in three consecutive years
- Field Application : Mix 4 Kg of Raiza with about 30-50 kg Farm Yard Manure or soil or fine sand and broadcast in one acre area uniformly



#### **MEHIPOTASH**

Potash Mobilizing Bacteria

- Effective strains used in Mehipotash enhance K uptake and yield of different crops by 10-30%
- Mehipotash produces growth promoting substances which are useful for increasing the plant growth and the yield.
- Mehipotash improves soil properties and sustains soil fertility.
- Mehipotash encourages plumpness and succulence of fruits and increases brix level.
- Mehipotash improves the quality of produce and thus fetches good price.
- Eco Friendly and easy to use and broadcasting.
- The mobilizing power of Mehipotash is so high that it can save up to 50-60% of the chemical potassium fertilizer.





- Soil treatment: 2kg of Mehilotash is mixed in 200 kg of compost and kept overnight. This mixture is incorporated in the soil at the time of sowing or planting in one acre.

**Note :** The entire content of the pack should be used at once. Sufficient moisture must be ensured during application.

### MEHIZINC

#### Zinc Solubilizing Bacteria

- Zinc solubilizing bacterium in Mehizinc multiplies, secretes organic acids and helps to solubilize insoluble and chelated zinc fixed in the soil. This mobilized zinc is easily available to the plants.
- Natural zinc solubilization improves both plant and soil health and also aids in soil remediation.
- The increase in the beneficial microbe population in soil improves soil health.
- Mehizinc is earthworm friendly.
- Soil Application – for field crops, orchard, Vegetable and fruit crops apply Mehizinc @ 2 kg / acre uniformly at the time of land preparation or just before irrigation in standing crops.
- Drip Irrigation : Mix 3 Kg/ acre of Mehizinc in drip stream
- Seed Dressing: Seed dressing @ 10-20 gm / kg seed is highly beneficial in preventing the deficiency symptoms.



### ZOBIUM

#### Rhizobium Biofertilizer

- Mehin's Zobium can fix 50-200 kgs N/ha and 20-30 kgs N/ha for the succeeding crops and thus can increase yield up to 10-35%.
- Mehin's Zobium is suitable to apply for leguminous plants such as Ground nut, Black gram, Green gram, Red gram, Cow pea, Bengal gram, Mustard, Soy bean, French bean, Cluster bean, Lab-Lab, Sesbania sp, leguminous trees etc.
- 100 ml Zobium used for 1 acre seeds sowing
- Soil application – 1 liter Zobium should be mixed with compost and keep over a night and apply next day in the field.



### ZOTO

#### Azotobacter

- Zoto fixes atmospheric nitrogen up to 20-30% required by plants and thus reduces usage of nitrogen fertilizer by 25%.
- Zoto produces and deposits biologically active metabolites like vitamins, IAA, gibberellins, which promote seed germination and plant growth resulting in the increase of yield up to 15-20%.
- Soil application – 500 ml to 1 liter Zoto should be mixed with compost and keep over a night and apply next day in the field.



### MEHI STAR

#### Azospirillum

- Mehi Star fixes the atmospheric nitrogen and makes it available to plants.
- Mehi Star replaces 25-50% of the chemical nitrogen fertilizer application.
- Apart from nitrogen fixation, growth promoting substance production (IAA), disease resistance and drought tolerance are some of the additional benefits of Mehi Star
- Mehi Star secretes plant hormones & vitamins which help maintenance of balanced nutrients & plant growth and increase crop yield by 15-20%.
- Soil application – 500 ml to 1 liter Mehi Star should be mixed with compost and keep over a night and apply next day in the field.



### TAAKAT

#### Bio NPK

- Taakat BIONPK contains compatible bacterial cultures for all major nutrients in a very effective combination including nitrogen fixing bacteria, phosphorus & potash solubilizing bacteria.
- The use of Taakat BIONPK results in better and balanced growth of the plants and keeps the soil biologically active help to get a better impact on soil health. Taakat BIONPK is suitable to apply for all crops and well compatible to be used with other bio-fertilizers
- 250 ml Taakat used for 1 acre seeds sowing
- Soil application – 1 liter Taakat should be mixed with compost and keep over a night and apply next day in the field.





**MEHIN'S**

## Healthy Crop, Happy Farmer



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### **Mehin Total Chemicals Pvt. Ltd.**

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