



FERTICHEM INDUSTRIAL CORPORATION

SINCE 1984

ABOUT US

Fertichem Industrial Corporation is among the leading chemical manufacturing company, offering a wide range of chemicals to industries such as Agriculture, Pharma, Feed, Dyeing and other application based chemicals. We specialize in manufacturing of multi-purpose chemicals such as Ferrous Sulphate, Zinc Sulphate, Copper Sulphate, Manganese Sulphate, EDTA Chelates and many more.

In 1984, Late **Sh. Tirath Ram Singhal**, established this company with the vision of serving the farmer of the country with best quality fertilizers, pesticides and feed supplements.

Starting from a small manufacturing plant in Moga, with production capacity of 100MT per year, to now having production units all over India with production capacity of 10000MT per year, we have come a long way in establishing ourselves as the most effective and reliable source of all kinds of agricultural and pharmaceutical chemicals.

Having an invaluable experience of more than 35 years in the industry, serving vast and diversified customer base across the country, we are now strongly moving forward towards our goal of establishing business relations across the globe.

We have earned a very good market reputation in delivering quality products on time and at very competitive prices. Our focus is not only on manufacturing quality products, we tend to have a strong and smooth relationship with our clients. We are committed to obey business ethics, provide support and sincere service.

VISION

To be the global leaders in chemical supplies to Agricultural, Pharmaceutical and Feed Industry.

MISSION

To innovate and develop new products to increase our market exposure.

To provide products delivery on-time and as per required specifications.

VALUES

Innovation
Integrity
Dependability
Accountability
Environmentalism

QUALITY

Our commitment towards manufacturing quality products is reflected by **ISO 9001:2015, 14001:2015 and 22000:2018** international quality management and **HACCP** international food safety certification awarded to our manufacturing units, along with the license to manufacture **Active Pharmaceutical Ingredients (IP grade)** Chemicals.



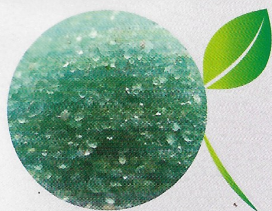
We welcome you to come on board with us, and get benefits from our experienced technical team and our standard quality products.

MICRONUTRIENTS & METAL SALTS

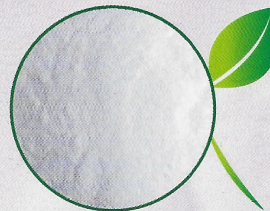
FERROUS SULPHATE

Ferrous is a necessary micronutrient required in protein synthesis and for ensuring seed quality and uniform maturity. Ferrous Deficiency is common in high pH, calcareous and low organic matter content soils, it is also a very important body mineral and is used for the treatment of iron deficiency, anemia, and with patients taking epoetin. Ferrous is more readily absorbed after oral administration than is iron in its ferric state. Ferrous sulphate is used in a heptahydrate and an anhydrous form. The anhydrous form contains 32.5% elemental iron, whereas the heptahydrate form contains 20% elemental iron (by weight). We provide the product in powder, crystal and granule form as per requirement.

Ferrous Sulphate Heptahydrate



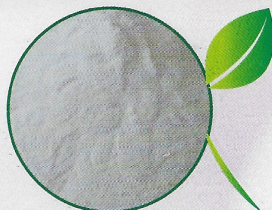
Dried Ferrous Sulphate



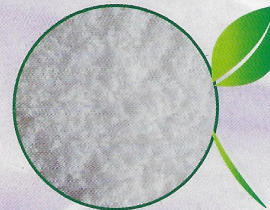
Common Name	Ferrous Sulphate Hepta (Crystal)	Dried Ferrous Sulphate
Molecular formula	$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	$\text{FeSO}_4 \cdot \text{H}_2\text{O}$
Appearance	Greenish Crystal	White Powder
% of Iron (Fe)	Min 19%	Min 30%
Assay	Min 54%	Min 86%
Lead	Max .0001%	Max .0001%

ZINC SULPHATE

Zinc Sulphate Monohydrate



Zinc Sulphate Heptahydrate



Common Name	Zinc Sulphate Mono	Zinc Hepta
Molecular formula	$\text{ZnSO}_4 \cdot \text{H}_2\text{O}$	$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$
Appearance	White Free Flowing Powder	White Crystalline Powder
% of Zinc (Zn)	Min 33% & Min 36% (IP Grade)	Min 21%
Lead	Max 0.002%	Max 0.001%
Cadmium	Max 0.001%	Max 0.0005%
Other Heavy Metals	Passes IP specification	Passes IP specification

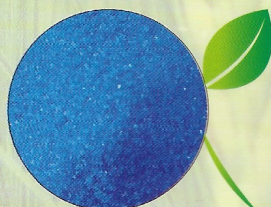
Our Strengths :

- Zinc Sulphate also available with Zinc Content **22%, 26% & 28%** as per requirement.
- We provide material with Heavy Metals removed as per requirement.
- No insoluble Black Particulars & Completely and Freely soluble in Water.

MICRONUTRIENTS & METAL SALTS

Every micronutrient has specific roles to play in the plants. Their presence in optimum concentration is a must for the plant to complete its life cycle that ends with maturity and harvesting of the economic produce. Micronutrients are essential plant mineral nutrients taken up and utilized by crops in very small quantities. Traditionally we have relied on what was present naturally in the soil together with amounts added as impurities in fertilizers and pesticides as source of micronutrients for crop growth. In recent years however, deficiencies of micronutrients have been diagnosed more frequently; and many farmers are beginning to take a closer look at their general availability. It is extremely important to be able to recognize and correct micronutrient deficiencies.

Copper Sulphate



Manganese Sulphate



Magnesium Sulphate Heptahydrate

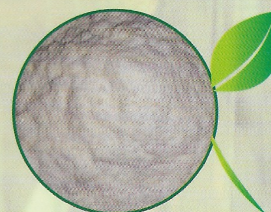


Common Name	Copper Sulphate	Manganese Sulphate	Magnesium Sulphate
Molecular formula	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	$\text{MnSO}_4 \cdot \text{H}_2\text{O}$	$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$
Appearance	Blue Crystalline Powder	Pink Crystalline Powder	White Granular Crystalline
% of Metal	$\text{Cu} \geq 24.5\%$	$\text{Mn} \geq 32\%$	$\text{Mg} \geq 9.6\%$
Heavy Metals	Max .01%	Max .1%	Max .03%

Di-Calcium Phosphate

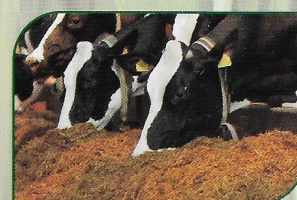
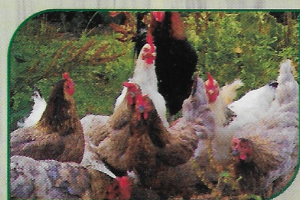


Potassium Sulphate



Common Name	DCP
Molecular Formula	CaHPO_4
Appearance	White Amorphous Powder
Calcium	Min 23%
Phosphorus	Min 18%
Phosphate As P_2O_5	Min 42%
Fluoride	Max .1%
pH	Max 4

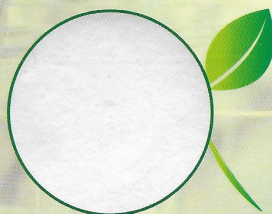
Common Name	Potassium Sulphate
Molecular Formula	K_2SO_4
Appearance	White Powder
K_2O	Min 50%
Sulphur	Min 18%
Moisture	Max 0.10%
Chloride	Max 1.50%
pH of 5% sol.	5 to 7



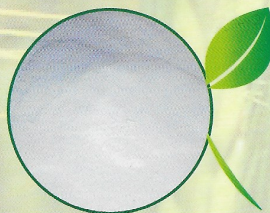
CHELATED FERTILIZERS

Chelated micronutrients are widely used in agriculture and are strongly promoted by the fertilizer industry. The word chelate is derived from the Greek word for "claw". In fertilizer technology, it refers to inorganic nutrients that are enclosed by an organic molecule. EDTA is a versatile chelating agent, i.e. it has the ability to "sequester" metal ions. It surrounds the inorganic iron and forms weak bond with it, effectively giving the nutrient an organic coating. The organic coating around the chelated nutrient allows it to penetrate through the wax into the leaf. Once in the leaf, the chelate releases the nutrient so that it can be used by the plant. We can offer EDTA and EDDHA in variety of grades and compositions based upon the requirements of clients.

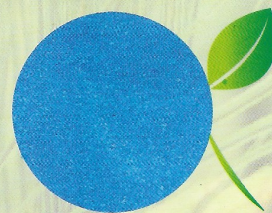
Zinc EDTA



Manganese EDTA

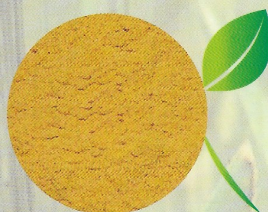


Copper EDTA

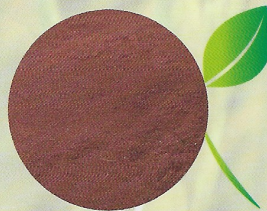


Product Name	EDTA Zinc 12%	EDTA Mn/ Chelated Manganese	Copper EDTA Chelate
Molecular Formula	$C_{10}H_{12}N_2O_8Zn$	$C_{10}H_{14}MnN_2O_8$	$C_{10}H_{14}CuN_2O_8$
Appearance	Off White Powder	White to slightly pinkish powder	Blue Powder
Metal Content	Zn \geq 12%	Mn \geq 12.5%	Cu \geq 14%
pH	6.5 - 7.5	6.0 - 7.0	6.0 - 7.5

Iron EDTA



EDDHA-Fe



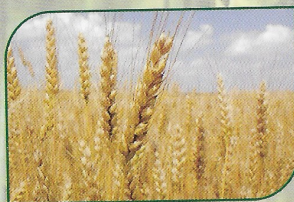
EDTA Chelated Mixture



Product Name	EDTA Fe 12%
Molecular Formula	$C_{10}H_{14}FeN_2O_8$
Appearance	Light Yellow Powder
Iron Content	Min 12%
pH (1 wt% sol.)	4 - 6

Product Name	EDDHA-Fe
Molecular Formula	$C_{16}H_{18}FeN_2NaO_8$
Appearance	Dark Red Brown Powder
Iron Content	Min 6%
pH (1 wt% sol.)	7 - 9

Product Name	EDTA Chelated Mixture
Appearance	Greenish Powder
Solubility	100% in water
Iron (Fe)	Min 4.0%
Zinc (Zn)	Min 4.0%
Copper (Cu)	Min 0.5%
Manganese (Mn)	Min 3.00%
Boron (Bo)	Min 1.5%



MAGNESIUM PRODUCTS

Magnesium oxide (Mo), or magnesia, is a white hygroscopic solid mineral that occurs naturally as periclase and is a source of magnesium. Magnesium is an important micro-nutrient required in metabolism of plants and is used in agriculture manure. In addition it can be used for glass, steel, dyeing agents, electronic industry, insulation materials industry and petroleum additives, foundry, phenolics and other industries. We offer best quality magnesium oxides directly imported from the manufacturers in China, and offer following products

Magnesium Oxide 90%



Magnesium Oxide 85%



Magnesium Oxide	Min 90%	Min 85%
Magnesium as (Mg)	Min 54%	Min 51%
Appearance	Off White Powder	Off White Powder
Silica	Max 4.3%	Max 6%
Alumina (Al ₂ O ₃)	Max 0.4%	Max 0.6%
Calcium Oxide (CaO)	Max 1.9%	Max 2.5%
Loss on Ignition	Max 3.5%	Max 7%
Iron Oxide	Max 0.5%	Max 0.6%

- Size : 200 mesh powder 85% passing without any grits
- Packing : 25 Kg / 50 Kg.

FERTI MINERAL MIXTURE

Dairy cattle and buffaloes require a number of dietary mineral elements for normal body maintenance, growth and reproduction. The major minerals include calcium, phosphorus, magnesium, potassium and selenium and while those reqd. in trace amounts are iron, zinc, manganese, copper, iodine and cobalt. Deficiency of minerals in the animals impairs metabolic functions and the growth in young calves and reproduction efficiency in adult animals. Supplementation of bio-available minerals through mineral mixture of trace minerals is of paramount importance.

We are proud to present our new launched product "**Ferti Mineral Mixture**", which is a perfect blend of all essential minor minerals in dairy cattle feed.

Composition :

Each kg contains

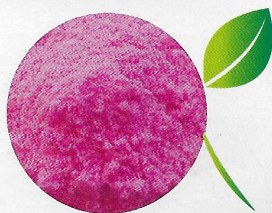
Nutrient	Value
Zinc	97,500 mg
Manganese	31,500 mg
Copper	24,000 mg
Iron	19,500 mg
Iodine	1,320 mg
Chromium	782 mg
Selenium	450 mg
Cobalt	165 mg

Note :- We can provide Required Percentage Material as per demand of Customer.

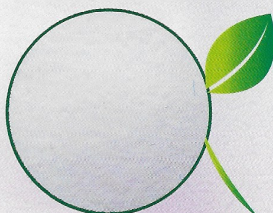


WATER SOLUBLE FERTILIZERS

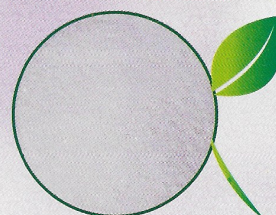
NPK 19 : 19 : 19



NPK 13.00:45



NPK 00:52:34



Total Nitrogen	Min 19%	Min 13%	-
Phosphate (P ₂ O ₅)	Min 19%	-	Min 52%
Potash (K ₂ O)	Min 19%	Min 45%	Min 34%
Sodium as NaCl	Max .5%	Max .5%	Max .5%
Moisture	Max .5%	Max .5%	Max .5%

BORON SPECIALITIES

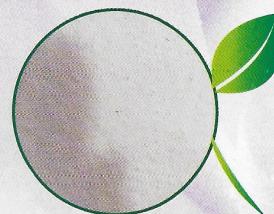
Solubor



Boric Acid



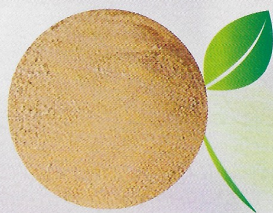
Borax Decahydrate



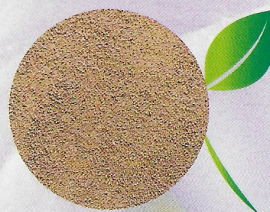
Common Name	Boron 20	Boric Acid	Borax
Chemical Formula	Na ₂ B ₄ O ₇ ·4H ₂ O	H ₃ BO ₃	Na ₂ B ₄ O ₇ ·10H ₂ O
Appearance	White Powder	White Fine Powder	White Crystalline Powder
Composition	Min 20%	Min 17.5%	Min 11%
Assay	Min 98%	Min 99.5%	Min 99%

W.D.G. PRODUCTS

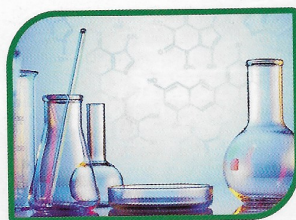
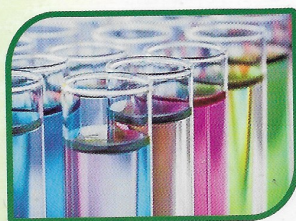
Sulphur 90% W.D.G.



Sulphur 80% W.D.G.



Appearance	Brown Colour, Free Flowing Granules	Brown Colour, Free Flowing Granules
Sulphur Content	Min 90%	Min 80%
Moisture	Max 1.5%	Max 1.5%
Wettability	Max 30 sec	Max 30 sec
Clouding	Min 80%	Min 80%



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