



Green to Leaf

MAGNESIUM SULPHATE

THE ESSENTIAL NUTRIENT FOR

Stronger Growth

Get in touch...

☎ 96005 35696 | 99407 30550

✉ exports@ramaniyyanarchemicals.com
www.ricexports.com



Ramana Iyyanar Chemicals

📍 61/B-17, New Ward D, Block 13, SIDCO,
Industrial Estate, Mettur Dam - 636 402.



MAGNESIUM SULPHATE



**100% PURE
PREMIUM QUALITY**



**CONSISTENT
& RELIABLE**



**NUTRITION
FOR GROWTH**



**TESTED FOR
EXCELLENCE**



**MAGNESIUM
SULPHATE**



**ON TIME DELIVERY
EVERY TIME**



**DELIVERING QUALITY
ACROSS THE WORLD**



**We deliver
with promise**

About Us ...

- We present ourselves as a proud manufacturer of Magnesium Sulphate originating from Tamilnadu, India.
- Being one of the largest manufacturer with 30,000 production capacity per annum and suppliers in the Industry for half a Decade to the globe and being a contributor to the Agro Industry gives us the potential and faith towards the human race by our standardized quality.
- Our commitment to consumer through timely, qualitative, promised delivery has brought us to such and extent.
- We believe Trust is our only spell that helps us to reach toward each and every corner of the globe.

MAGNESIUM SULPHATE

Magnesium Sulphate is an inorganic salt. It is often referred to as Epsom salt in the heptahydrate sulphate form (epsomite). The material shall consist essentially of magnesium sulphate, and shall be in the form of free-flowing crystals, powder or granules. It shall be free from visible foreign matter. The particle size shall be such that not less than 90% by mass shall be in the particle size range of 1 mm to 4 mm.

Magnesium Sulphate ($\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$) :

SPECIFICATIONS AS PER FCO

- Free flowing - crystalline form
- Matter insoluble in water, per cent by weight, minimum - 1.0
- Magnesium (as Mg), percent by Weight minimum - 9.6
- Sulphur (as S), percent by weight, maximum - 12.0
- pH (5% solution) - 5.0 - 8.0
- Lead (as Pb), percentage by weight, maximum - 0.003
- Cadmium (as Cd) percentage by weight, maximum - 0.0025
- Arsenic (as As) per cent by weight, maximum - 0.01



WHY TO CONDITION YOUR

- Building healthy soil involves the ongoing practice of field management strategies that maintain nutrient balance and build good soil structure. But how do you know if your soil is healthy?
- Soil that is considered healthy has a high capacity for water storage and good water management properties such as retention and infiltration. It also contains a volume and balance of nutrients that are healthy for plants and soil microbial life.
- Most critical is that a healthy soil contains large populations of microbes and other beneficial organisms like earthworms that can supply a steady stream of nutrition to your crops while keeping populations of pathogenic organisms in check.

SIGNS OF MAGNESIUM DEFICIENCY

- When a magnesium deficiency is evident, Lighter - coloured leaves and leaf outlines that are dry and brittle can be signs of a deficiency. Without magnesium, chlorophyll cannot capture sun energy needed for photosynthesis.
- In short, magnesium is required to give leaves their green colour. Magnesium is the central core of the chlorophyll molecule in plant tissue. Thus, if Mg is deficient, the shortage of chlorophyll results in poor and stunted plant growth.

BEFORE

AFTER



MAGNESIUM SULPHATE USES IN AGRICULTURE

- In agriculture, magnesium sulphate is used to increase magnesium and sulphur content in soil. Epsom salt (Magnesium sulphate) helps in seed germination, making plants grow bushier, producing more flowers, increasing chlorophyll production and deterring pests, such as slugs and voles.
- It also provides vital nutrients to supplement your regular fertilizer.
- It works as activating agent of many enzymes. Having big effect for carbon metabolism, nitrogen metabolism, fat and active oxide action of plants.

PRODUCT BENEFITS

- Corrects and prevents magnesium deficiency, stunted growth and reduced yields.
- Promotes chlorophyll production
- Promotes the production and transfer of sugars, starches, oils and fats Easy to apply at planting or throughout growing season
- Easy to apply with other nutrients.



MAJOR CROPS THAT REQUIRES MAGNSIUM SULPHATE

- SUGARCANE
- PALM TREE CULTIVATION
- COTTON
- FLORICULTURE (CULTIVATING FLOWERS)]
- FRUITS CULTIVATION
- GARDENING APPLICATION
- LEAFY VEGETABLES
- RICE
- CORN
- Etc., (Including all vegetables and fruits)

