

reipa trading sa.

CH - 6934 BIOGGIO (TI) Switzerland P.O.Box 117

TEL. +41 91 605.49.34-35 FAX +41 91 605.53.69 e-mail: reipa@reipa.ch

Iron Crystal

General information:

This fertilizer provides a fundamental element for soils and plants: iron.

- It releases Fe²⁺, an iron ion which can be immediately absorbed by the roots.
- The shortage or lack of iron in the soil and in the plant tissues causes chlorosis (gradual yellowing of the leaves)
- The use of iron sulfate contributes to the prevention and control of chlorosis, frequent in calcareous soils with a basic or basic-alkaline pH (pH >7,5)
- Iron Crystal also provides sulphur as SO₃, easily assimilates by plants: as a consequence, it also has an acidifying action in the soil.
- It can be used directly in its solid crystalline state: in this case, it should be spread on the soil and then buried up to a maximum depth of 12715 cm. It has a nutritional or corrective effect depending on the doses distributed (min. 1 ton – max 2,5 tons per hectare).
- It can be mixed to prepare compost for greenhouse cultivation (approx. 50-100 g per m³ per hectare)
- It is suitable for sewage irrigation (approx. 200-300 g dissolved in 100 liters water).

Doses and use:

Crops	Doses recommended
Trees (productive)	1-2 kg per plant
Vineyards (productive)	0,5-0,6 kg per plant
Lawns	40-50g per m ³
Flowers	30-40g per m ³
Compost	50-100g per m ³ of peat

A 20 – 30% solution can be used to cover trunks and pruning flowers.

If used for trees, vineyards and lawns bury and irrigate.

The doses above are meant as suggestions and may vary according to the pedoclimatic features of each area.

100% Iron Sulphate (FeSO₄.7H₂O)

Iron (fe) soluble in water	19%
Sulphuric Anhydride (SO ₃) soluble in water	27-28%
FeSo ₄ .7H ₂ O	97-92%
pH	3,7

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Reipa Trading SA
Contrada alla Cantina 1
CH-6934 BIOGGIO
Tel: 0041 91 6054934
Fax: 0041 91 6055963