



Kugard

EC FERTILIZER - Copper solution (Cu) Sulphate fertilizer

Kugard is an innovative liquid Copper-based fertilizer enriched in its formulation with Lignin Sulphonic Acid (LS).

The LS-complexed Copper fraction has controlled-release over time, high bio-availability and pH stability both with alkaline or acid pH, enabling low rates of application, high efficacy in curing *Copper-deficiencies*, long-lasting effects and low phytotoxicity.

Copper is an essential micro-element for photosynthesis, Red-Ox reactions and mineral Nitrogen assimilation processes.

Cereals, Alfalfa, Spinach, Carrots and Citrus are particularly sensitive to *Copper-deficiencies* and need annual supplements, especially in alkaline and organic-matter-poor soils.

The LS enriching and spreading actions improve stickiness to every leaves surface, a source of controlled-release Copper on leaves epidermis and Copper penetration in the first cellular layers.

If applied via *drip irrigation*, **Kugard** improves *Copper* absorption in every physical-chemical soil condition, keeping a controlled-release over time and avoiding cations leaches.



WARNING

H-PHRASES:

H315 - H318 - H410



COMPOSITION

Copper (Cu) soluble in water	5%
Copper (Cu) enriched with LS	2%



PHYS-CHEM PARAMETERS

Density	1,21 kg/L
pH (10% sol.)	4



PACKAGE

Bottle	12x1 kg (= 12x0,83 L)
Can	4x5 kg (= 4x4,13 L)

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ADVANTAGES

Controlled-release Copper.

Quick curative effect for Copper-deficiencies.

Resistance to rain-wash.

Low Phytotoxicity risk and no Copper excess in the tissues.

Stimulating effects on plant and protein synthesis.



APPLICATION RATES

CROPS	RATE	APPLICATION
Grape, Olive, Pome fruits, Actinidia, Citrus	2,5-3 L/ha	3-4 applications along the whole crop cycle, starting from post-flowering, post-harvest and leaves fall.
Strawberry, Fruity vegetables	1,5-2,5 L/ha	3-4 applications, every 10-12 days along the whole crop cycle.
Leafy vegetables	1,5-2 L/ha	3-4 applications, every 7-10 days along the whole crop cycle.
Industrial crops (Potato, Cereals, Corn, Sugar beet)	2,5-4 L/ha	2 applications, every 15-20 days along the whole crop cycle.
Nurseries, Flowers and Ornamentals	2-3 L/ha	2-3 applications, every 15 days along the whole crop cycle.
Fertirrigation	5-10 L/ha	3-4 applications, every 7-10 days along the whole crop cycle.



TECHNICAL NOTES

Kugard is compatible with the most common fertilizers and pesticides.

Do not mix with mineral oils and oil-based insecticides.

Before mixing with other products, a compatibility test is suggested.