

WUXAL[®] Copper

BY AGLUKON

The new organic copper complex for prevention and correction of copper deficiency in arable and horticultural crops

Description

Wuxal Copper is a newly developed organic copper complex for the prevention and control of copper deficiency in horticultural and arable crops. Wuxal Copper is formulated as crystal suspension concentrate and is particularly suited for foliar nutrition. The fluid suspension makes handling much easier in comparison to standard synthetic-organic metal-chelates in powder formulation.

Wuxal Copper ensures a rapid absorption by the foliage (starter effect) as well as a durative effect due to its outstanding adhesive properties.

Wuxal Copper is very safe in comparison to conventional amino-polycarboxylate-chelates. Furthermore, copper losses by leaching are dramatically reduced because Wuxal Copper sticks extraordinarily well on the foliage. These properties make the use of Wuxal Copper much more economical than other conventional copper chelates or salts.

Environmental properties

Wuxal Copper fully bio-degradable.

Key benefits of Wuxal Copper

- innovative new organic copper complex
- beneficial fungicide effect due to Cu²⁺-ions on foliage
- particularly suited for foliar application
- good penetration
- easy handling
- extraordinary adhesiveness and rainfastness
- better adherence and retention on the leaves compared with copper sulphate salt
- fully bio-degradable

Contents

Copper fertilizer suspension

For foliar fertilization.

	% w/w	g/l
5 % Cu	Copper watersoluble	68
5 % N	Nitrogen	68
Copper fully complexed as Copper gluconate		

Physicochemical properties

Density: 1.35 g/cm³

pH-value: approx. 6.5

Colour: blue green

Precautions and Liability

When storing the product, temperatures below 0°C (32°F) and above +40°C (104°F) as well as frequent temperature fluctuations should be avoided. Keep the product in the original container till application.

When mixing with pesticides for the first time, test on a small scale before general use.



Efficient copper foliar absorption

Excellent crop safety

Packaging
1 l bottle, 10 l bucket

Fields of application and rates of use

Crop	Timing	Rates of use
Winter Cereals	<ul style="list-style-type: none"> at the beginning of stem extension at flag leaf emergence Do not apply at anthesis (flowering)!	1 - 2 l/ha
Spring Cereals	<ul style="list-style-type: none"> from early tillering Do not apply at anthesis (flowering)!	1 - 2 l/ha
Sugar Beet	<ul style="list-style-type: none"> 4 - 6 leaf stage 	1 - 2 l/ha
Pome and Stone fruit	<ul style="list-style-type: none"> apply postharvest only (may cause russetting) 	1 - 1.5 l/ha
Small berries	<ul style="list-style-type: none"> start as soon as deficiency symptoms appear 	1 - 2 l/ha
Grapes	<ul style="list-style-type: none"> start as soon as deficiency symptoms appear Do not apply during bloom!	1 - 1.5 l/ha
Citrus	<ul style="list-style-type: none"> when trees have the most fully expanded new leaves Do not apply during bloom and just before harvest!	1 - 1.5 l/ha
Corn		1 - 2 l/ha
Cotton		1 - 2 l/ha
Soybeans		1 - 2 l/ha
Rice Lettuce Onion Carrot Spinach Tomatoes, Peppers Lucerne	After diagnosis of copper deficiency or where a known soil deficiency occurs. Apply at an early stage, but allowing the crop to attain an adequate leaf area for Cu absorption.	1 - 2 l/ha 1 - 1.5 l/ha 1 - 1.5 l/ha 1 - 1.5 l/ha 1 - 1.5 l/ha 1.5 - 2 l/ha 1 - 1.5 l/ha
Oil Palm	Particularly for immature plants planted on deep peat soils Mid-crown chlorosis	1 - 2 l/ha

Use sufficient water (200 - 600 l of water/ha) to get good coverage of foliage.

Note: Copper (Cu) can injure plants, if applied at higher amounts than necessary!

Application

Wuxal Copper can be applied by spraying and sprinkling, together with pesticides as well as with drip irrigation / fertigation systems. Do not mix with Wuxal P or other P-containing products and with acidic materials.