

WUXAL[®] Copper

BY AGLUKON

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

Description

Wuxal Copper is a newly developed copper complex for the prevention and control of copper deficiency in horticultural and arable crops. Wuxal Copper is formulated as a 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 adheres 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 copper complex
- particularly suited for foliar application
- Optimum plant uptake
- easy handling
- extraordinary adhesiveness and rainfastness
- improved adhesion and retention on the leaves compared with copper sulphate salt
- fully bio-degradable

Contents

Copper fertilizer solution

% w/w		g/l
5 % Cu	Copper watersoluble	67.5
5 % N	Nitrogen	67.5

Additionally, Wuxal Copper contains organic formulation additives.

Physicochemical properties

Density:	1.35 g/cm ³
pH-value:	approx. 6.5
Colour:	blue green



Efficient copper foliar absorption

Excellent crop safety

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.

Packaging
10 l bucket

Fields of application and rates of use

Crop	No. and Timing of Applications	Rates of use
Winter Cereals	<ul style="list-style-type: none"> at the start 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	<ul style="list-style-type: none"> 4- 5 and 7-9 leaf stage 	1 - 2 l/ha
Cotton Soybeans 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 - 2 l/ha 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 Compatibility test recommended before first use.	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 rates 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 Top P, other P-containing products, or with acidic materials.