

Copper chelate based on EDTA

Actipol EDTA Cu-15 Copper chelates

Guaranteed content: 15% copper EDTA chelate

ARKOP

We enhance nature
www.arkop.pl

Description and performance

Chelates are complex compounds in which the appropriate organic compound is tied to a metal ion. Actipol chelates mean:

- fully chelated microelements
- immediate availability of microelements by plants
- perfect solubility
- stability over a broad range of pH
- resistance to external factors.

Actipol chelates effectively and quickly respond to the plants' actual needs. They are also very effective in the period when uptake of nutrients by the plant's root system is limited (drought, inappropriate pH). Copper chelate is designed for foliar feeding of plants and fertigation. It covers the increased demand for copper, especially by spring and winter cereals, corn and root plants.

Copper and its significance

Most copper in the plants is bonded in chloroplasts; it plays an important role in the synthesis and stabilization of chlorophyll. Copper in plants shifts from old leaves to young ones so copper deficiency is manifested in the first place by dying old leaves. The next symptoms include impeded growth and wilting. In cereals there are frequent deformations or dwarfing of ears.

Dosage:

Plant	Dose of Actipol EDTA Cu-15 (kg/ha)	Water (l/ha)	Number of applications	Time of application
Orchards (apple tree, pear tree, gean, cherry, plum, strawberry, raspberry, currant, blueberry)	1.0–1.5	700-1000	3-5 every 10-14 days	During all development phases
Cereals	0.3–0.8	200–300	1–2	1. Tillering 2. Blade formation phase
Corn	0.3–0.7	200–300	1–2	1. The 4-6 leaves phase 2. Then every 7-10 days
Sugar beet	0.3–0.7	200–300	1–2	1. From the 4-6 leaves phase 2. Before the covering of the rows
Other crops	0.2–0.8	500–1000	1–2	1. During intensive growth phase
Vines	0.3–0.6	500–1000	1–2	1. Before flowering 2. After flowering every 10-14 days
Vegetables	0.2–0.5	300–600	1–2	1. Beginning of vegetation 2. During intensive growth every 7-10 days

Fertigation: From 2 g of **Actipol** EDTA Cu-15 per 1000 liters of water you get a solution of 0.3 mg Cu/liter.

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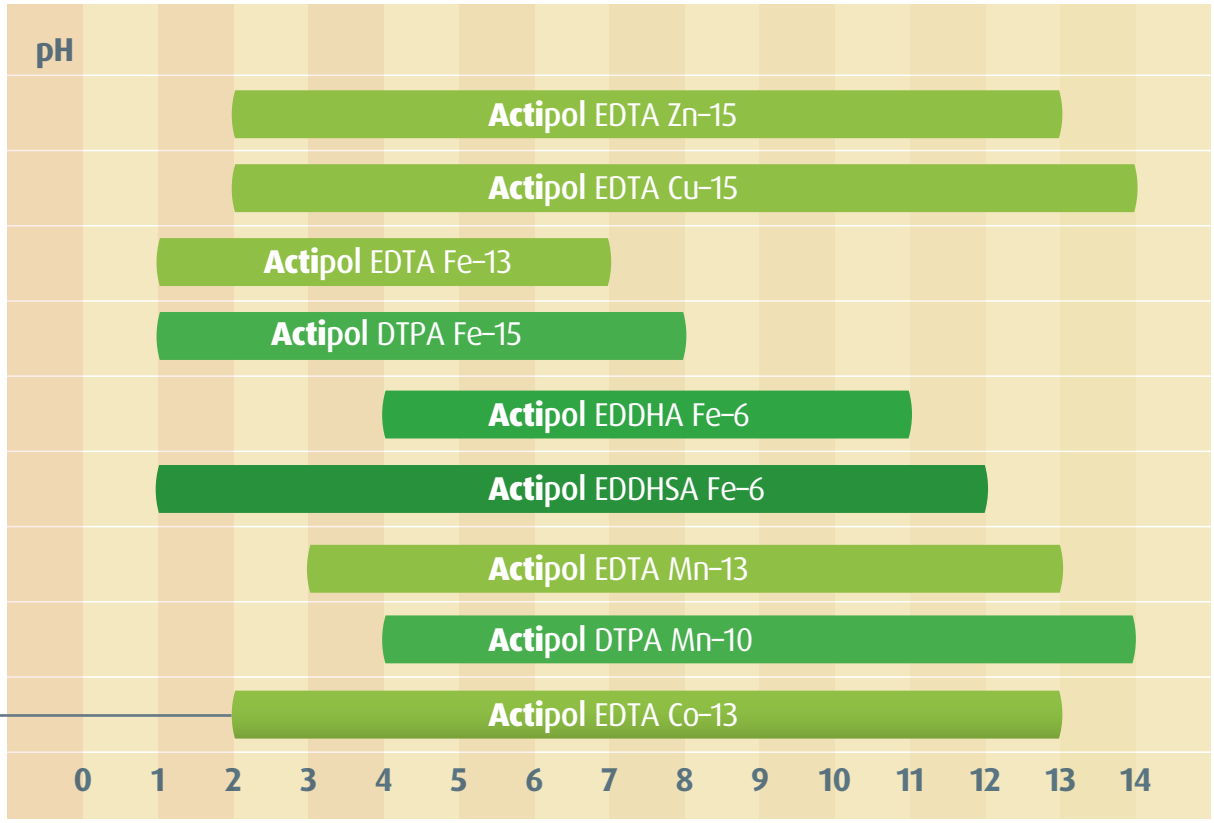
Actipol EDTA Cu-15 Copper

chelates

Consequences of copper deficiency:

- low number of seeds and grains
- loose stalks
- chlorotic and rounded leave tips
- impeded growth, wilting.

Stability of **Actipol**® chelates depending on pH



We also manufacture other EDTA chelates, e.g.: Fe, Mn, Zn, Co, Mg and Ca.

Arkop

We have been building our experience in the fertilizer industry since 1992. Our goal is to manufacture fertilizers making it possible to derive the very best nature has to offer... For this reason, our extensive product range entails the latest developments in biotechnology, in particular top grade chelates (chelation level confirmed by PCBC – Polish Center for Testing and Certification).

As a result of our close long-term cooperation with scientific institutes and universities, we have manufactured proven and effective products. We constantly monitor our production process and incorporate the requisite modifications in striving to continue improving our offer and aligning it to meet customer needs and expectations.

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