



## Cobalt chelate

# Actipol EDTA Co-13 Cobalt



Guaranteed content: 13% cobalt EDTA chelate



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). Cobalt chelate is designed for foliar nutrition of plants. Cobalt is a component of vitamin B12 and is indispensable in the process of nitrogen bonding in the plant.

### Cobalt and its significance

With appropriate supplies of water and nutrients, application of the cobalt chelate has direct impact on the growth and metabolism of plants at different development stages. It improves the protein content in the plant and increases the yield of root plants.

### Consequences of cobalt deficiency:

- disrupted speed of formation of root papillae (legumes) which impairs the intensity of nitrogen bonding.

### Dosage:

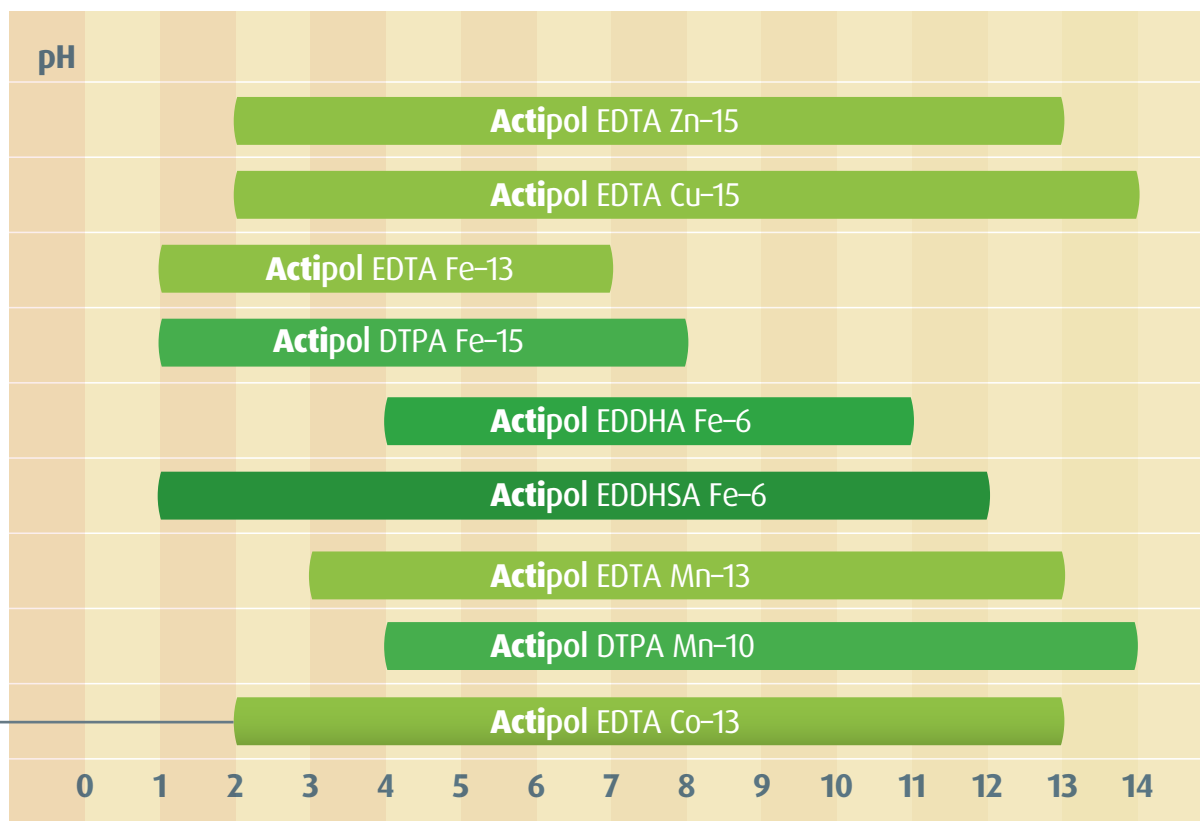
Plant	Dose of Actipol EDTA Co-13 [kg/ha]	Number of applications	Working solution [l/h]	Time of application
Pastures	0.25-0.5	1-2	200-600	Early spring
Legumens	0.3-0.5	1-2	300-600	Early spring with fully formed leaves
Fodder plants	0.3-0.5	1-2	300-600	Early spring with fully formed leaves
Root plants	0.3-0.5	1-2	300-600	Early spring with fully formed leaves

**Do not exceed the concentration of 0.1% (1 g/1 l).**

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## Stability of Actipol® chelates depending on pH



We also manufacture other EDTA chelates, e.g.: Fe, Mn, Cu, Zn, 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.

The Arkop brand name is synonymous with high quality because of both our close cooperation with scientific institutes and universities and the innovative technology we have launched based on proprietary research and experience. As a result, all our products adhere to the highest standards of quality and environmental protection adopted in the European Union. We apply and constantly develop our integrated food quality and safety management system **ISO 22000 (HACCP)** and **ISO 9001**. As a confirmation of adherence to the most stringent requirements in this area, we have obtained the integrated management system certificate - Food Quality and Safety **PN-EN ISO 9001:2009** and **HACCP - PN-EN ISO 22000-2006**. We also have the European quality system certificate for feed additives and premixes **FAMI-QS**. Currently we work with customers from across the world.

EC FERTILIZER



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