

Liquid DTPA iron chelate

L-Actipol DTPA Fe-6 iron

chelates

Guaranteed content: 6% iron – DTPA chelate

ARKOP

We enhance nature

Description and performance:

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

L-Actipol DTPA Fe-6 chelate means:

- Fully chelated iron,
- Immediate availability of iron to plants,
- Perfect solubility,
- Stability over a broad range of pH,
- Full dose of iron for the plant.

The **L-Actipol DTPA Fe-6** chelate effectively and quickly responds to the plants' actual needs. It is also very effective in the period when uptake of iron by the plant's root system is limited (drought, inappropriate pH, low temperatures). Iron chelate is designed for extra-root nutrition of plants and fertigation. It prevents chlorosis and fully covers the plant's demand for iron.

Iron and its significance

Iron is an indispensible component of the whole range of enzymes which play a significant role in the photosynthesis and breathing process. This element is indispensible in the chlorophyll biosynthesis process, therefore most of the iron taken up by plants is concentrated in the chloroplasts. It is also a component of nitrate reductase and nitrogenase, which impacts the nitrogen conversion in the plant.

Consequences of iron deficiency:

- Rusty, dead spots on leaves,
- Shoot tips are pale, do not grow and wilt,
- Chlorosis of the youngest leaves,
- Inhibition of photosynthesis and breathing processes.

L-Actipol – series of quickly absorbable mononutrient fertilizers for extra-root nutrition and fertigation:

- L-Actipol DTPA Fe-6
- L-Actipol EDTA Mn-6
- L-Actipol EDTA Zn-6
- L-Actipol EDTA Cu-6
- L-Actipol EDTA Mo-6
- L-Actipol EDTA Co-4

Actipol – series of crystalline quickly absorbable mononutrient fertilizers for extra-root nutrition and fertigation:

- Actipol EDTA Zn-15
- Actipol EDTA Cu-15
- Actipol EDTA Fe-13
- Actipol DTPA Fe-15
- Actipol EDTA Mn-13
- Actipol DTPA Mn-10
- Actipol EDTA Co-13

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L-Actipol DTPA Fe-6 iron

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Dosage:

Plants	Plants	Dosage [l/ha]	Amount of working solution [l/ha]
Winter cereals	1 – Blade formation phase* 2 – As an intervention – after identification of deficiency 2-3 treatments every 10-14 days**	1-2	200-300
Other agricultural	1 – At the intensive growth phase** 2 – As an intervention – after identification of deficiency 2-3 treatments every 10-14 days**	1-2	200-300
Vegetables	1 – Preventively – at the beginning of vegetation to the harvest* 2 – As an intervention – after identification of deficiency 1-2 treatments every 10-14 days*	2-3	400-600
Fruit trees and bushes	1 – Preventively – during the vegetation period* 2 – As an intervention – after identification of deficiency 2-3 treatments every 10-14 days*	2-3	700-1000
Decorative plants	1 – At the beginning of vegetation** 2 – At the intensive growth phase** 3 – As an intervention – after identification of deficiency 2-3 treatments every 10-14 days**	0.1-0.2	100 (10-20 ml per 10 l of water)
Fertigation: From 16 ml of L-Actipol DTPA Fe-6, per 1000 l of water, a 1.2 mg Fe/l solution is obtained			

* – recommended treatment
** – optional treatment

Preparation of a working solution: Apply separately or jointly with urea, magnesium sulfate monohydrate, or plant protection agent.
Directly before the spraying, fill up the sprayer with water up to 2/3 of the capacity and turn the mixer on; add in the order specified: urea, monohydrate magnesium sulfate, L-Actipol DTPA Fe-6, plant protection agent according to application instruction (if envisaged and recommended for mixing by the manufacturer), adjuvant; fill up with water and start spraying. Do not exceed the recommended doses of L-Actipol DTPA Fe-6.

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 – HACCP – PN-EN ISO 9001:2009** and **PN-EN ISO 22000-2006 – certificate no. JH–178/2/2010**. We also have the European quality system certificate for feed additives and premixes FAMI-QS. Currently we work with growers from across the world.

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