



Liquid manganese EDTA chelate



L-Actipol EDTA Mn-6 manganese

Guaranteed content: 6% manganese – EDTA chelate



We enhance nature

Description and performance:

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

L-Actipol EDTA Mn-6 means:

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

The **L-Actipol EDTA Mn-6** chelate effectively and quickly responds to the plants' actual needs. It is also very effective in the period when uptake of manganese by the plant's root system is limited (drought, inappropriate pH, low temperatures). Manganese chelate is designed for extra-root nutrition of plants and fertigation. It covers the increased demand for manganese: by spring and winter cereals, root plants, fruit trees and bushes, and vegetables.

Manganese and its significance:

Manganese is present in large quantities in meristematic tissues and plays a number of important functions in the plant. This important element takes part in, among other things, the photosynthesis process and is the activator of nitrate reduction enzymes, and protein, sugar and lipid metabolism. It also activates the enzymes taking part in the breathing process. This element also supports the growth of secondary roots and has positive impact on the growth of quality components, such as vitamin C.

Consequences of manganese deficiency:

- Chlorosis between the nerves (speckled chlorosis),
- Impeded plant growth,
- Leave yellowing and drying,
- Inhibition of photosynthesis and breathing processes,
- Increased plant sensitivity to low temperatures,
- Necrotic grey spots, leaf spot, on oat leaves,
- Poorer quality of crops.

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

L-Actipol EDTA Mn-6 manganese



Dosage:

Plants		Time of application	Dosage [l/ha]	Amount of working solution [l/ha]
Cereals	winter	1 - Fullness of the tillering phase** 2 - Blade formation phase* 3 - As an intervention - after identification of deficiency 2-3 treatments every 10-14 days**	1.4-1.75	200-300
	spring	1 - Fullness of the tillering phase* 2 - Blade formation phase* 3 - Stem elongation- flag leaf just visible* 4 - As an intervention - after identification of deficiency 2-3 treatments every 10-14 days**		
Potatoes		1 - Formation of basal side shoots* 2 - Inflorescence formation phase* 3 - As an intervention - after identification of deficiency 2-3 treatments every 10-14 days**	0.7-2.1	200-300
Corn		1 - From 4 to 10 leaves** 2 - Before shedding the panicle** 3 - As an intervention - after identification of deficiency 2-3 treatments every 10-14 days**	0.7-1.75	200-300
Sugar beet		1 - Phase of 4-8 leaves* 2 - Phase of 9 or more leaves* 3 - Before the merging of the rows* 4 - As an intervention after noticing the first symptoms of Cercospora beticola Sacc.*	1.4-1.75	200-300
Rapeseed		1 - Formation of side shoots** 2 - At the intensive growth phase - stem elongation* 3 - As an intervention - after identification of deficiency 2-3 treatments every 10-14 days**	1.4	200-300
Pulses		1 - Development of leaves* 2 - At the intensive growth phase (elongation of internodes)*	0.5-1.4	200-300
Vegetables		1 - Preventively - from the beginning of vegetation to the harvest* 2 - As an intervention - after identification of deficiency 1-2 treatments every 10-14 days*	1.75-2.6	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*	1.75-2.6	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)
Other		1 - Preventively - 1-3 treatments during the vegetation period** 2 - As an intervention - after identification of deficiency 2-3 treatments every 10-14 days**	0.5-1.4	300-400

Fertigation: From 9 ml of L-Actipol EDTA Mn-6, per 1000 l of water, a 0.65 mg of Mn/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 EDTA Mn-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 EDTA Mn-6.