

M15: Soil fertilization with micronutrients and inspiring practical tests with chelates to prove their function

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Theory and practical illustrative tests will be mixed in this masterclass.

Participants will learn:

- Which factors in the soil will determine the availability of micronutrients?
- How we can measure those?
- What do plants themselves do to promote the uptake to avoid deficiencies?
- Conceptual possibilities to enlarge the availability of micronutrients,
- Ideal carriers to promote availability,
- Differences between iron chelates – do you know why the ortho-ortho isomer so important is?
- Differences (visual and explained) between complexes, partly chelation and full chelation of metals, and
- Differences in adsorption of copper to peat soils.

What happens in the (soil)solution

Note: Plants drink, don't eat!



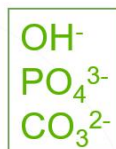
Clear solution

metal chelate

metal (not chelated)

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Turbid solution