

Bachelor-, Master- Thesis

Field experiment with different P fertilizer levels and application methods.

Background

Growth and yield responses of P-efficient maize cultivars are related to an increased root length density during early plant development. Leaf area growth, light interception, and carbon assimilation are enhanced which increases biomass and grain yield.

Experiment

- Carried out from **Mai to September 2021**
- One silage maize cultivar
- The experiment will be carried out on a field of a local farmer.
- The treatments differ in applied P fertilizer and application method.
- Architectural measurements of plants
- C-N-P partitioning of plant organs

Aim

In comparison with field data of 2020 we want to investigate the reaction of plant growth to decreasing P availability and different P fertilizer application methods.

If you are interested, please contact me. **The Thesis can be written in English or German.**

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