

Unkrautbestandsaufnahme in einem Dauerdüngungsversuch und Vergleich mit historischen Erhebungen (Bachelorarbeit)

Observation of weed diversity over time at a long-term field experiment (BSc thesis)

Masterarbeit Title	Observation of weed diversity over time at a long-term field experiment (BSc thesis, in German or English!)
Research area	Crop science, Agroecology and Organic Farming
Motivation / State of the art / Relevance	In 1982, B. Hengst published her dissertation entitled „Der Einfluss der Düngung auf die Zusammensetzung der Unkrautflora, untersucht am Dauerdüngungsversuch Dikopshof“ where she observed the weed occurrence (species, abundance and cover ratio) at several fertilizer treatments of the long-term fertilizer experiment Dikopshof near Wesseling. In this study, the students will repeat the observations of the weed occurrence for several treatments in potato and wheat at one or two phenological stages. The students have to compare the results of Hengst (1982) with the own observations and discuss a change of weed pressure and diversity.
Objectives	Observation of weed occurrence in winter wheat (spring and summer 2020)
Methodology / Procedure / Workslope / external cooperation	The work will require a literature review especially of the dissertation of Hengst (1982). Moreover, the student will have to observe weeds at Dikopshof on a few field days.
Expected results	-Data analysis and interpretation (text, tables, figures)
Time frame	6 months
Language	English or German
Previous knowledge	Knowledge of weeds!
Supervisors	Dr. S. Seidel (crop science) and others
Contact	sabine.seidel@uni-bonn.de
Additional information	Motivation to train or apply software like Latex/Lyx (for thesis), JabRef (for literature database) and R/Octave (for statistics and figures) is welcome and will be supported