

Agroforestry experiment in Juchowo, Poland

The polish MIXED network in Juchowo kicked off in May 2021 the agroforestry field experiment aimed to evaluate the effects of trees strips of different age, species and architecture on crop yields and selected soil and biodiversity parameters. The monitoring points were situated on the fields with winter spelt wheat and buckwheat. The points were located in 3 lines in a distance equals to the 0.5, 1.5 and 2.5 height of the tree. Each line consisted of 3 monitoring points. Between May and September 2021 several visits took place aimed to take the samples and monitor the course of the experiment.



Field with winter spelt wheat situated near young lime trees of about 4 m height



Field with buckwheat situated near old maple trees of about 15 m height

Crop yields, soil temperature and moisture measured continuously every hour, weed, earthworm and pollinating insects diversity were the key parameters taken into account in this experimental research.



Butterfly netting in winter spelt wheat



Yellow bowl set to catch pollinating insects in winter spelt wheat

The first preliminary results should be known at the end of 2021. The experiment is planned to be conducted for 3 years.

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