

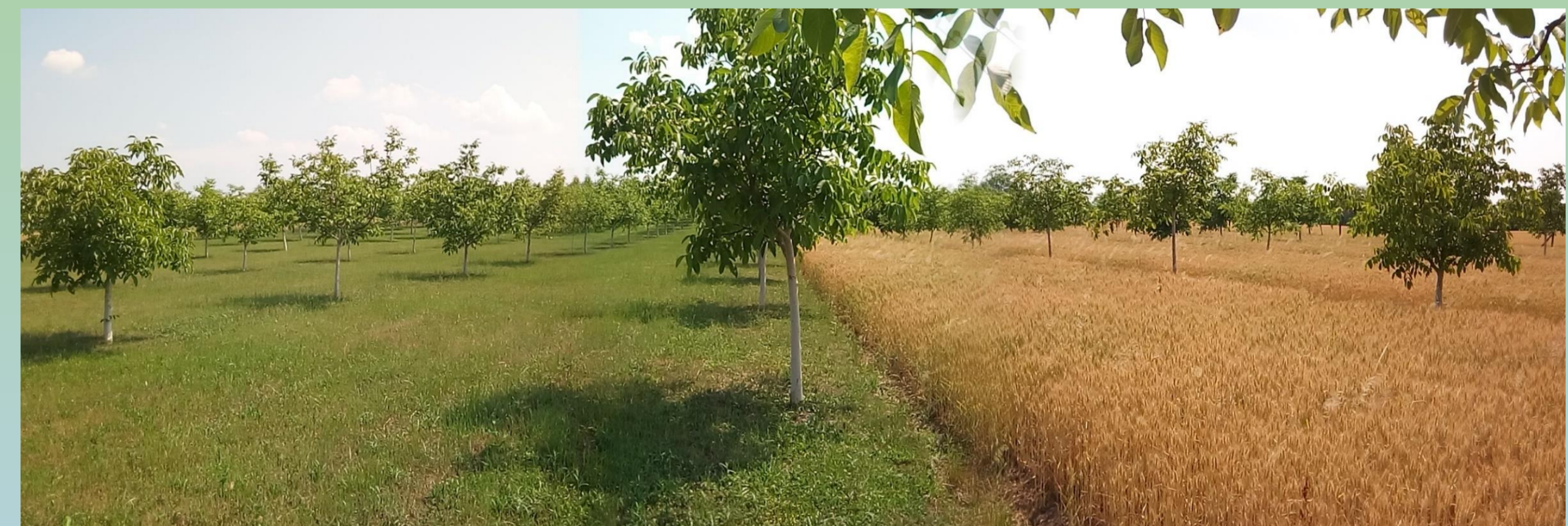
DISEASE INCIDENCE IN AGROFORESTRY OF WALNUT AND CROPS

Jelena Ilić

Fakultet agrobiotehničkih znanosti Osijek, V. Preloga 1, 31000 Osijek, Croatia
jilic@fazos.hr

This report is part of the 5-year project of the Croatian Science Foundation „Consociation of tree species and crops as an innovative approach in agroecosystems – AGROINOVA”, which will be conducted over 5 years on two locations in eastern Croatia and includes combination of walnut trees and crops with 5 year crop rotation (wheat, rapeseed, buckwheat, barley, buckwheat, corn, husk).

Agroforestry is a combination of woody perennials and crops and/or animals. It developed as a response to climate change and increasing global food demand. Agroforestry is sustainable agricultural system compared to conventional agriculture and forestry practices. Although agroforestry became more popular just recently its history goes back to 6000 years ago. This kind of consociation has ecological and economic interactions, where ecological benefits would include biophysical and biological interactions, like erosion control, soil fertility and biodiversity.



In our project crops were examined for disease incidence and compared to control. After examination we noticed positive influence of agroforestry system on disease incidence. We are continuing with this experiment and at the moment can make preliminary conclusion that agroforestry has positive influence on disease resistance.

