



Yield response of the main field crops on biopreparation supresivit (*Trichoderma harzianum*) in combination with mineral fertilizers

M. VACH, J. HÝSEK, M. JAVŮREK - Research Institute of Crop Production, Prague – Ruzyne,
Czech Republic

The application of the biopreparation Supresivit (based on the fungus *Trichoderma harzianum*) was proved in the combination with mineral fertilizers: NPK, LAV (ammonium nitrate with limestone) and DASA (ammonium nitrate and ammonium sulphate). These experiments were carried out with different crops: spring barley, winter wheat, winter rape and potatoes. The mixture was done with different concentrations (1 g, 0,5 g and 0,1 g per 1 kg of fertilizer). We observed the differences in the infestation of plants with pathogenic fungi. *Trichoderma harzianum* depressed soil pathogenic fungi transferred by the soil. It was found less infestation of plants by important diseases (tan spot of barley, yellow leaf spot on cereals, leaf blotch of barley, tan spot of wheat, take-all, black leg, collar rot of winter oil seed rape and blight fungus of potatoes) in the parcels treated with biopreparation than in non-treated ones. The biopreparations had positive influence on the increase of yields.