



## **Change of physical and chemical composition of soil washing out during vegetation season from differently used fields**

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Soil losses due to water erosion not only decrease of soil fertility but also influence on pollution of water bodies. One of the method for limitation of water erosion process is protected soil management and choose suitable plants which requires knowledge about effect and mechanism of erosion under different environmental conditions. The results of measurements of quantity and quality of soil losses from three experimental plots are given in the article. Plots were located in Experimental Agricultural Station Puczniew in central part of Poland. Surface soil layer on the plots had mechanical composition of medium loam soil. On two plots grass and barley were planted. Third plot was used as fallow and tilled land. Measurements were carried out four times in the period May-October 2007. Physical and chemical composition of washed soil material was analyzed.