



Impacts of Grain for Green Project on Soil Erosion in China

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Abstract [U+FF1A] Since 1999 the Grain for Green Project (GGP) has been considered as one of the most important projects for ecological restoration of China. This paper quantitatively analyzed the impacts of the GGP on soil erosion in study area. GGP is aimed to change land use on slope land. The government is carrying out subsidy policy to encourage farmer converse cropping to plant tree or grass on the slope land. According to the observation data of 11 rivers of China, the runoff and soil erosion significantly decreased. Compared with 1998-2002 the runoff and sediment yield in 2003-2007 were decreased by 18% and 45.4% respectively. In order to evaluate the impacts of GGP on soil erosion in detail, the Yan River Basin of Loess Plateau was taken as an example.

Keywords: The China's Grain for Green Project, soil erosion, ecological restoration