

The Importance Role of Agriculture Based on Watershed Scale for Rural Development

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Abstract:

Turkey occupies a total area of about 783.560 km² of which approximately. It is divided into 25 hydrological basins and 30 agricultural watersheds with large differences properties. Some basins like Euphrates and Tigris are international basins between Turkey and the neighbor countries. Rural development is the process of improving protection and improvement of the rural environment and increase the quality of life and economic well-being of people living in rural area. The aim of rural development in the watersheds area to supply by using environmentally friendly agricultural practices, protection and sustainable use of forest resources and the management of agricultural treatments as watershed scale. Agriculture activities based on watershed scale is getting important for rural development in Turkey. There are some ongoing projects like the Murat River Watershed Rehabilitation Project (MRWRP) including rehabilitation of natural resource and rural developments. In the watershed areas, agriculture practices are one of the most important source of employment and vitally factor in preventing migration to urban areas.

In this study, the main roles of agriculture on rural development were investigated in the watershedscale especially MRWRP in Turkey.

Keywords: Watershed, rural Development, Agriculture, Murat River Watershed Rehabilitation Project (MRWRP)

Sustainable Management of Soil and Water Resources Based on Watershed

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Abstract

Water and soil are the most important natural resources for people's life and activities. Soil and Water quality is a critical component of sustainable agriculture. Population growth, urbanization and industrialization cause these natural resources to decrease and deteriorate. Especially ecological destruction of natural resources has negative effects on the cycle. Particularly, it is important to understand the impacts of agricultural activities on the soil and water resources. Therefore, agriculture and forest areas become inefficient due to these threats. Today, various scenarios are being developed to prevent or minimize these threats. At the beginning of these applications are sustainable basin-based land and water management practices.

The sustainability of the use of land and water resources depends on the protection of them by integrating various strategies. Here, the development of soil quality and water management are the most important in agricultural watershed region. Soil quality and quality index assessment has been recognized as an important precaution for understanding the effects of conservation practices with in Murat River Watershed Rehabilitation Project.

The sustainable using of these natural resources based on watershed is important role for under development and developing region.

Keywords: Soil and Water Management, Sustainability, Watershed.