



Importance of Pressurized Irrigation Systems in Arid Areas: A Case Study of Konya- Turkey

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Abstract: The average annual rainfall of Turkey is almost 643mm. However, it is almost 350-500mm in Central and South-East Anatolia Regions. The annual lowest rainfall occurs in Salt Lake as 250-300 mm and Karapınar Provinces of Konya in that both are arid areas of Turkey. In recently, rainfall is far from the average of long term annual meteorological records in Central. Water is vitally important for arid and semi-arid regions for higher crop yield. In such regions, it is almost impossible crop production without irrigation in summer season. In Konya Province of Turkey, every year, new irrigation wells are built for due to the insufficient surface water resources. Most of them were not legal so, the distance between wells is very low and every year groundwater level decreases. Surface irrigation methods are very widely used although irrigation efficiency is lower in Turkey. In some parts, pressurized irrigation methods have been used for sustainable irrigation and environment.

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