

in the foothill villages of Shiwalik.

1034. Mittal, S.P., Singh, Pratap and Sud, A.D. 1987. Use of harvested water for crop production in Shiwalik foothills. Abst. No. 15, National Symp. on "Land a

Water Management in Ravines", CSWCRTI, Research Centre, Agra, March 19-22, 1987: 13.

Crops in Shiwalik foothill region are raised under rainfed conditions. More than 50% of rain water from the hills not only goes as waste but also causes the problems of flood and sedimentation and damage to agricultural land. The only possibility of stabilizing agricultural production in this type of terrain appears to be construction of small earthen dams for harvesting rain water and utilizing the stored water for protective irrigation. The stored rain water when used for protective irrigation increased wheat yield by 198, 286 and 430% with one, two and three irrigations, respectively over control in Village Bunga under Operational Research Project. At Research Farm, Chandigarh, mustard yield increased by 46 and 100% and *taramira* yield by 53 and 79% with one and two irrigations, respectively