

**1018. Grewal, S.S. 1984.** Rainwater harvesting boost crop production in foothills of Haryana. *Farmer and Parliament*, 19(3):23-24.

The rainwater which is an important tool to improve the agrarian economy, not only goes unutilized from farm and denuded forest lands of Shiwaliks but also causes erosion, floods and sedimentation problems. Three water storage reservoirs were made in village Sukhomajri, two in Jattan majri and three in Nada between 1976 and 1980 to store excess monsoon rainwater. The catchment areas varying from 1.5 to 25 ha were treated with package of practices for erosion control which, in addition to mechanical measures, also included plantation of suitable trees and grasses to induce sediment free water to the reservoirs. The stored water was used for supplemental irrigation. In one of the study conducted in village Sukhomajri, one pre-sowing irrigation plus 40 kg N/ha and two irrigations plus recommended dose of fertiliser raised the mean wheat yield from 13 to 25.9 and 40.8 q/ha. The maximum benefit of supplemental irrigation was received during the drought year 1979-80 when wheat crop almost failed outside the project area. The large scale replication of such projects for the poor is strongly recommended in the paper.