

1056. Singh, Gurmel. 1982. Effect of supplemental irrigation to barley from runoff harvested water. *Indian J. Soil Conserv.* 10(2&3):117-119.

The study brings out that annual precipitation of Doon Valley varies from 1500-2000 mm of which 75-80% is received from mid June to mid September (main growing season for *kharif* crops). The period from mid September to December is usually dry and moisture deficient at the sowing time of barley crop. To overcome this, it is possible to collect about 20% of the rainfall into the farm pond which otherwise goes as waste. This stored water could be used to supplement the winter rainfall of 15 cm. Even though barley is a drought tolerant crop, its yield can be improved with application of supplemental irrigation and nitrogen fertilization.