

- 1021. Grewal, S.S. and Juneja, M.L. 1986.** Rain water harvesting for supplemental irrigation to wheat in Shiwaliks. In: Soil Conservation in India. Eds. R.K.Gupta and M.L.Khybri, IAS&WC, Dehradun: 215-223.

Water harvesting model of Sukhomajri has been discussed. By constructing a storage reservoir, from 9.1 ha of forest area, it has been possible to store 5.5 ha metres of rain water which could provide two irrigations at earlier stages of wheat in 16 ha of command area of agricultural fields. Two years crop data showed that it is possible to increase the crop yield of Mexican wheat from 17.6 q/ha to 25 q/ha with only one pre-sowing irrigation to 32 q/ha with two irrigations plus 40 kg N/ha and to 44.4 q/ha with recommended dose of fertiliser and two irrigations. The large scale adoption of similar programmes to stabilise farm production has been emphasised.