

- 1044. Sastry, G., Hussenappa, V. and Bansal, R.C. 1980.** Farm ponds for assured protective irrigation for *rabi* crops in Doon Valley. *Indian J. Soil Conserv.* 8(1):35-37.

The studies conducted at Dehradun indicate that the runoff water can be recycled which forms an integral part of successful crop management programme, to about 13 ha during pre-sowing irrigation stage or 8.0 ha during crown root initiation stage with 5 cm of water practically with no variation in yield levels. When irrigated at both stages with 5 cms each (total 10 cm), 4 ha can be covered with marginal rise in yield levels. The limited water available in farm ponds should be utilized at the earliest opportunity i.e. at pre-sowing stage covering larger area for a given depth of water for optimum yields.