

580. Verma, B., Chittaranjan, S., Ramanath, B. and Rama Mohan Rao, M.S. 1973. Effect of supplemental irrigation from runoff water on sorghum yield in semi-arid (Vertisol) tropical area. *Sorghum Newsletter*, 16: 71-72.

Under dryland conditions as prevailing in black soils of Bellary (Karnataka) region, runoff water was used for supplemental irrigation to *jowar* crop at critical stages of growth. Application of 12 to 13 cm of runoff water increased grain yield by 150-250% while use of 19 cm of water increased the yield by 450% as compared to control.