

**Table Effect of land treatment on crop yield at different rainfed locations in India**

Location	Climate and soil	Annual average rainfall (mm)	Test crop	Land treatment	Increase in yield over control (%)
Hoshiarpur (Ballawal Saunkhri)	Sub-humid, Inceptisol	900	Maize	Sowing across the slope	24
Ananthapur	Arid, Alfisols	560	Groundnut	Dead furrows at 3.6 m interval	10
Rewa	Sub-humid, Vertisols	1080	Chickpea	Channel after 5 rows	17
Hyderabad	Semi-arid, Alfisols	760	Sorghum	Sowing across the slope and ridging later	19
Bhubaneswar	Sub-humid, Oxisols	1500	Cowpea	Ridge-furrow cultivation	49
Solapur	Semi-arid, Vertisols	722	Rabi sorghum	Compartmental bunding	25
Bellary	Semi-arid, Vertisols	500	Rabi sorghum	Contour farming	35
Akola	Semi-arid, Vertisols	830	Sorghum	Broad-bed and furrows	26
			Cotton	Broad-bed and furrows	37
Rajkot	Semi-arid, Vertisols	625	Groundnut	Ridge and furrows	26
Bijapur	Semi-arid, Vertisols	680	Rabi sorghum	Rubble check	47
Kovilpatti	Semi-arid, Vertic Inceptisols	750	Pearlmillet	Compartmental bunding	23
Arjia	Semi-arid, Vertisols	658	Maize	Ridge and furrow	35
Agra	Arid, Inceptisols	710	Pearlmillet	Compartmental bunding	19

(Krishnappa et al., 1999)

Krishnappa, A.M., Arun Kumar, Y.S., Munikappa., Hegde, B.R., 1999. Improved in situ moisture conservation practices for stabilized crop yields in Drylands. In Fifty Years of Dryland Agriculture Research in India. (Ed. H.P. Singh et al). pp. 291-300