

132. Aggarwal, P., Bhardwaj, S.P. and Khullar, A.K. 1990. Quantification of tillage requirement for rainfed wheat in Doon Valley. Abstracts, Internl. Symp. on "Water Erosion, Sedimentation and Resource Conservation", Dehradun, Oct. 09-13, 1990: 83.

A study was conducted on silty loam soil of Doon Valley to develop the appropriate conservation tillage technology by the use of different tillage systems with 0, 2 and 4 t/ha of weed mulch for rainfed wheat. It is inferred that deep tillage system increased moisture content of seed zone, reduced bulk density by 3-8% and increased the infiltration rate 2-3 times as compared to shallow minimum and minimum tillage systems. Deep tillage system alongwith 4 t/ha of mulch application produced maximum grain yields.