

Singh, Gurnmel, Ram Babu and Subhash Chandra. 1983. Determination of various parameters of Universal Soil Loss Equation in India. Paper summaries, Internl. Conf.

on Soil Erosion and Conservation, Honolulu (Hawaii), USA, Jan. 16-22, 1983: 57.

The research work done on various factors of the USLE under Indian conditions have been presented in the paper. Iso-erodent map of India has been developed showing values of R throughout India. Values of K (ranging from 0.04 to 0.17) for various soil types of India have been worked out. Cover and management effects for Kharagpur, Kota and Vasad were evaluated from the data for each of three crop growth stage periods. For other stations, the values of C were determined on the basis of seasonal soil loss data and may be considered as first approximation. P values for various erosion control practices e.g. contour cultivation, strip cropping, contour bunding and bench terracing under varying slopes have been reported. Studies conducted at Kharagpur, Lucknow and Coimbatore showed that the soil loss increased with the increase in degree of slope. These information can be used to assess the gross soil erosion under different soil-crop-management conditions of India.