

SOIL ERODABILITY FACTOR - K REVISED UNIVERSAL SOIL LOSS EQUATION

The soil erodibility factor (K and K_f) is used in equations that predict the amount of soil loss resulting from sheet and rill erosion due to rainfall. The appropriate value for K must be used to make an accurate erosion prediction when applying the Revised Universal Soil Loss Equation (RUSLE).

For RUSLE calculations, use the K_f factor representing the fine-earth fraction of the soil. This portion of the soil consists of particles smaller than 2 mm. that are subject to sheet and rill erosion. The procedure to determine the K_f factor is outlined and illustrated in Agricultural Handbook No. 703, Predicting Soil Erosion by Water: A Guide to Conservation Planning with the Revised Universal Soil Loss Equation (RUSLE).

See FOTG Section II, Engineering Interpretations, Physical Properties of Soils Report.