

Correction to :-

P.I.A. Kinnell (2003). Event erosivity factor and errors in erosion predictions by some empirical models. Aust. J. Soil Res. 41, 991-1003.

Equations 7 and 8 omit the **power 2** in the top and bottom expressions. The correct equations are

For the Nash-Sutcliffe efficiency factor (Z):

$$Z = 1 - \frac{\sum_{e=1}^n (A_{eo} - A_{ep})^2}{\sum_{e=1}^n (A_{eo} - A_m)^2} \quad (7)$$

where A_{eo} is the measured or observed soil loss for event e , A_{ep} is the soil loss given by Eqs. 5 or 6 and A_m is the mean soil loss for all the events being considered.

For logarithmic data, the Nash-Sutcliffe model efficiency factor is given by

$$Z_{ln} = 1 - \frac{\sum_{e=1}^n (\ln(A_{eo}) - \ln(A_{ep}))^2}{\sum_{e=1}^n (\ln(A_{eo}) - (A_{lnm}))^2} \quad (8)$$

where A_{lnm} is mean of $\ln(A_{eo})$ for all the events being considered.