

Corrigendum to: A phenology-driven fire danger index for northern grasslands

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The authors wish to advise on an error in Eqn 8 (which is repeated in the Appendix 2, Eqn A4-3) related to unit conversion.

The correct Eqn 8 should be:

$$R_W (\text{m min}^{-1}) = \begin{cases} 0.9 + 16.13 \cdot W, & W < 1.4 \text{ m s}^{-1} \\ 23.33 + 41.18 \cdot (W - 1.3889)^{0.844}, & W \geq 1.4 \text{ m s}^{-1} \end{cases} \quad (8)$$

The correct full Eqn A4 (appearing in Appendix 2) should be:

4. For each time step, calculate the spread rate (ROS) (m min^{-1})

$$\Phi_{mc} = \begin{cases} \exp(-0.108 \cdot mc), & (mc \leq 12 \%) \\ 0.684 - 0.0342 \cdot mc, & (mc > 12 \% \ W < 3 \text{ m s}^{-1}) \\ 0.547 - 0.0228 \cdot mc, & (mc > 12 \% \ W > 3 \text{ m s}^{-1}) \end{cases} \quad (A4-1)$$

$$\Phi_C = e^{-0.0224 \cdot GDD} \quad (A4-2)$$

$$ROS = \begin{cases} [0.9 + 16.13 \cdot W] \Phi_{mc} \Phi_C, & (\text{for } W < 1.4 \text{ m s}^{-1}) \\ [23.33 + 41.18 \cdot (W - 1.3889)^{0.844}] \Phi_{mc} \Phi_C, & (\text{for } W \geq 1.4 \text{ m s}^{-1}) \end{cases} \quad (A4-3)$$

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