

# PHYSICS

HUMIDEX

$$T + V.P. - 10$$

Temp. in  $^{\circ}\text{C}$  + Vapour

Pressure in millibars - 10

COOLING RATE DUE TO WIND

$$\sqrt{(S * 100 + 10.44 - S) * (33 - T)}$$

$$= \text{Watts/m}^2$$

OR  $\text{cal./m}^2/\text{hour}$

S = wind speed in m/sec.

T = Temperature in  $^{\circ}\text{C}$

A value of ~~2~~ 2000 is  
approx. = to  $-42^{\circ}\text{C}$

*Dedication to quality • Symbole de qualité*



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