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Correction

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Martin P. N. Gent and Herbert Z. Enoch. Temperature Dependence of Vegetative Growth and Dark Respiration: a Mathematical Model.

The authors wish to correct any impression given in the last paragraph of a recent paper that the model of growth and respiration we presented gives fundamentally different results than that used by McCree and Amthor (1982 Crop Sci 22: 822–827). Both models were used to compare plants growing under constant *versus* fluctuating diurnal temperatures. Both studies found more dry matter accumulation in plants grown under cool night temperatures compared to warm night temperatures when the day temperature was the same. However, McCree and Amthor found more dry matter accumulation in plants grown at a constant temperature compared to plants grown under higher day and lower night temperatures for which the 24-h average was the same as the constant temperature. Both our model and that used by McCree and Amthor predict the latter result (for the reasons they stated) when the photosynthetic carbon input is the same for both temperature regimes.