

## Erratum to: Measurement and estimation of plastic greenhouse reference evapotranspiration in a Mediterranean climate

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Following publication of the paper, the authors have detected a calculation error in the calibration of the FAO56 Penman–Monteith method used for estimating greenhouse reference evapotranspiration ( $ET_o$ ). There is an error in the value of aerodynamic resistance ( $r_a$ ) presented in the paper.

While a standard value of  $150 \text{ s m}^{-1}$  was reported for the aerodynamic resistance ( $r_a$ ) in the paper, we found subsequently that the correct value of  $r_a$ , that provides the best agreement between estimated and measured daily greenhouse  $ET_o$  values, as determined by minimizing the root mean square error (RMSE) with the SOLVER procedure (Microsoft® Excel 2002), is  $295 \text{ s m}^{-1}$ . Measured  $ET_o$  data from 1993 and 1994 (without whitening), and from 2000 and 2001 (with whitening) were used for model calibration. With

a fixed  $r_a$  value of  $295 \text{ s m}^{-1}$ , the FAO56 Penman–Monteith method was validated using measured  $ET_o$  values from 1995, 1997 and 1999 (without whitening), and from 2002, 2003 and 2004 (with whitening). The FAO56 Penman–Monteith with a fixed  $r_a$  of  $295 \text{ s m}^{-1}$  correctly predicted measured values; it presented a slight underestimation of 6% without whitening (RMSE =  $0.37 \text{ mm day}^{-1}$ , MBE =  $-0.078 \text{ mm day}^{-1}$  and RE =  $-3.3\%$ ) and of 2% with whitening (RMSE =  $0.38 \text{ mm day}^{-1}$ , MBE =  $-0.047 \text{ mm day}^{-1}$  and RE =  $-2.3\%$ ).

Figure 6c and d, and Table 2 of the paper are presented here again since the values showed were affected by the change in the  $r_a$  value.

After making the above corrections, no further changes were required in the “Results”, “Discussion” and “Conclusions” sections of the paper.

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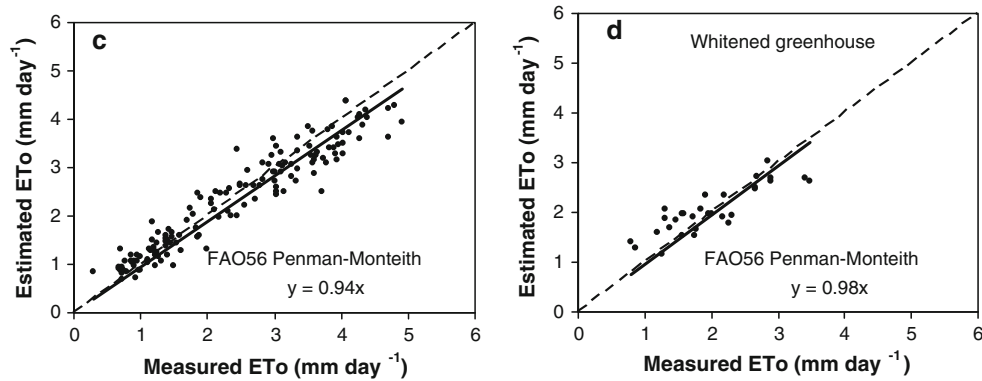
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**Fig. 6** Comparison between mean daily values of estimated and measured  $ET_o$  values in a plastic greenhouse with (from 2002 to 2004) and without whitening (from 1995 to 1999).  $ET_o$  values were estimated by FAO24 Pan method using a constant  $K_p$  value of 0.79

(a, b), FAO56 Penman–Monteith using a fixed aerodynamic resistance value of  $295 \text{ s m}^{-1}$  (c, d). Each point corresponds with a daily  $ET_o$  value, averaged over a week, throughout a particular year

**Table 2** Summary of statistics from the comparison between estimated (E,  $\text{mm day}^{-1}$ ) and measured (O,  $\text{mm day}^{-1}$ ) data of mean daily greenhouse  $ET_o$  with (2002–2004) and without whitewash

(1995–1999) for FAO56 Penman–Monteith method using a fixed aerodynamic resistance value of  $295 \text{ s m}^{-1}$

$ET_o$ method	$N$	$O$	$E$	$E/O$	Slope	$r^2$	RMSE	MBE	RE
Greenhouse without whitening									
FAO56 Penman–Monteith ( $r_a = 295 \text{ s m}^{-1}$ )	144	2.41	2.33	0.97	0.94	0.98	0.37	−0.08	−3.3
Greenhouse with whitening									
FAO56 Penman–Monteith ( $r_a = 295 \text{ s m}^{-1}$ )	30	2.06	2.10	1.02	0.98	0.97	0.38	−0.05	−2.3

$N$  total number of observations; slope of the regression equation,  $r^2$  coefficient of determination,  $RMSE$  root mean square error ( $\text{mm day}^{-1}$ ),  $MBE$  mean bias error ( $\text{mm day}^{-1}$ ),  $RE$  relative error (%)