

General additive model (n=247: 168 Dynamic shade and 80 Steady shade)	AIC	adjR <sup>2</sup> <sub>1:1</sub>	Δ AIC	Δ adjR <sup>2</sup> <sub>1:1</sub>
ET.ngf ~ s(Rg.PAR, by = fShade) + VPD + Tsoil.2cm + s(SM.ave.gf) + fShade + s(Hour)	-1279.4	0.8407		
ET.ngf ~ VPD + Tsoil.2cm + s(SM.ave.gf) + fShade + s(Hour)	-1115.9	0.6744	163.5	-0.1663
ET.ngf ~ s(Rg.PAR, by = fShade) + Tsoil.2cm + s(SM.ave.gf) + fShade + s(Hour)	-1276.6	0.8366	2.8	-0.0041
ET.ngf ~ s(Rg.PAR, by = fShade) + VPD + s(SM.ave.gf) + fShade + s(Hour)	-1270.9	0.8346	8.5	-0.0061
ET.ngf ~ s(Rg.PAR, by = fShade) + VPD + Tsoil.2cm + fShade + s(Hour)	-1268.8	0.8301	10.6	-0.0106
ET.ngf ~ s(Rg.PAR) + VPD + Tsoil.2cm + s(SM.ave.gf) + s(Hour)	-1270.8	0.8233	8.6	-0.0174
ET.ngf ~ s(Rg.PAR, by = fShade) + VPD + Tsoil.2cm + s(SM.ave.gf) + fShade	-1269.0	0.8255	10.4	-0.0152