	MCMC	FOA
K_s ($cm\,min^{-1}$)	**0.49** (0.487–0.498) *0.01*	**0.49** (0.487–0.497) *0.01*
θ_s ($cm^3\,min^{-3}$)	**0.43** (0.41–0.45) *0.04*	**0.43** (0.41–0.45) *0.04*
θ_r ($cm^3\,min^{-3}$)	**0.046** (0.025–0.068) *0.04*	**0.046** (0.026–0.066) *0.04*
α (cm^{-1})	**0.14** (0.12–0.17) *0.05*	**0.14** (0.12–0.16) *0.04*
n	**2.64** (2.54–2.77) *0.23*	**2.64** (2.54–2.76) *0.22*
n_a	**1.64** (1.37–1.98) *0.6*	**1.64** (1.38–1.90) *0.5*
C_{sat} ($V\,Pa^{-1}$)	**2.90** (2.89–2.91) *0.02*	**2.90** (2.89–2.91) *0.02*