Modelling the influence of rhizodeposits on root water uptake: Supplementary Material

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Parameter	Description	Value	Source
ρ	Soil bulk density	1650mgcm^{-3}	Morris and Lowery (1988)
$\theta_{r,0}$	Residual water content	$0.065\text{cm}^3\text{cm}^{-3}$	Carsel and Parrish (1988)
$\theta_{s,0}$	Saturated water content	$0.41\text{cm}^3\text{cm}^{-3}$	Carsel and Parrish (1988)
$\alpha_{\theta,0}^W$	Wetting inverse air-entry pressure without rhizodeposits	$0.0521\text{cm}^3\text{cm}^{-3}$	Kool and Parker (1987)
$\alpha_{\theta,0}^D$	Drying inverse air-entry pressure without rhizodeposits	$0.0114\text{cm}^3\text{cm}^{-3}$	Kool and Parker (1987)
n_θ	Pore size parameter	1.89	Carsel and Parrish (1988)
$K_{s,0}^W$	Wetting saturated hydraulic conductivity without rhizodeposits	72cmd^{-1}	Vogel et al. (1996)
$K_{s,0}^D$	Drying saturated hydraulic conductivity without rhizodeposits	120cmd^{-1}	Vogel et al. (1996)
D_W	Diffusion coefficient of rhizodeposits in solution	$0.65\text{cm}^2\text{d}^{-1}$	Scott et al. (1995)
ET_0	Reference evapotranspiration	0.1cmd^{-1}	Allen et al. (1998)
$\mathcal{T}_\text{p}$	Potential plant transpiration	0.1cmd^{-1}	Allen et al. (1998)
$\mathcal{T}_\text{p}$	Potential plant transpiration	0.1cmd^{-1}	Allen et al. (1998)

Table 1: Literature parameters employed in models

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