

Parameter symbol	Definition	Unit	Range	Reference	Value
M_{\max}	Maximum accumulation load	g m^{-2}	7.5–50	Piro and Carbone (2014), Modugno et al. (2015), Bouteligier et al. (2002)	23
k	Accumulation rate constant	d^{-1}	0.16–0.46 ^a	Rossman and Huber (2016)	0.33
K_w	Wash-off coefficient	$\text{d}^{0.5} \text{m}^{-1.5}$	50–500 ^b	Rossman and Huber (2016)	80
n_w	Wash-off exponent	–	0–3	Wicke et al. (2012), Modugno et al. (2015), Rossman and Huber (2016)	1.5
C_h	Proportionality constant	s m^{-1}	0.0003–0.05	Gilley et al. (1993), Romero et al. (2007)	0.001
τ_c	Critical rural shear stress	N m^{-2}	0–10 ^c	Bones (2014); Léonard and Richard (2004)	0.3