

Component of the model	Formulation
For $m$ storms with $P_G$ insufficient to saturate the canopy ( $P_G < P'_G$ )	$(1 - p - p_t) \sum_{j=1}^m P_{G,j}$
Wetting up the canopy with $n$ storms large enough to saturate the canopy ( $P_G \geq P'_G$ )	$n(1 - p - p_t)P'_G - nS$
Evaporation from the saturated canopy during rainfall	$\bar{E} / \bar{R} \sum_{j=1}^n (P_{G,j} - P'_G)$
Evaporation after rainfall event	$nS$
Evaporation from trunks for $q$ storms large enough to saturate trunk storage ( $P_G \geq S_t / p_t$ )	$qS_t$
Evaporation from trunks for small storms unable to saturate the trunk storage ( $P_G < S_t / p_t$ )	$p_t \sum_{j=1}^{m+n-q} P_{G,j}$