Abbreviation	Name	Description	Specificity	Model part
ρ	Initially available herbicide fraction	Fraction of the applied herbicide mass initially available for transport	compound	Deterministic model
$k_{\mathrm{w-s}}$	Sorption rate	Fraction of the dissolved herbicide mass getting sorbed to the soil matrix per unit of time	compound	Deterministic model
$k_{\mathrm{s-w}}$	Desorption rate	Fraction of the sorbed herbicide mass getting desorbed per unit of time	compound	Deterministic model
k_{deg}	Degradation rate	Rate constant of the first-order degradation	compound	Deterministic model
C_{back}	Background concentration	Constant background concentration, proportional to the areal fraction of the relevant crop in the sub-catchments	compound	Deterministic model
ε	Herbicide loss rate	Loss rate per unit discharge and available herbicide mass	compound	Deterministic model
T_{obj}	Temperature objective	Cumulative temperature sum required to start herbicide application on a crop	crop	Deterministic model
β	Biocide loss rate	Loss rate per unit precipitation and available biocide mass	compound	Deterministic model
μ	Scaling factor	Factor for scaling the model error term proportional to the sub-catchment-specific herbicide input	compound	Error model
σ_{error}	Standard deviation of the error model	Relative standard deviation of the total model error	compound	Error model