

Table 1: Tree Parameters File

Input Parameter	Units	Description
Foliage.start	g/m^2	Starting biomass of foliage.
Foliage.End	g/m^2	Biomass of foliage at the end of simulation.
PET.winter.factor	Multiple	Multiplies by winter PET values to enhance or reduce PET.
PET.summer.factor	Multiple	Multiplies by summer PET values to enhance or reduce PET
interception	cm	Sets the volume of water which canopy can maximally intercept.
AET.Reduc	Multiple	Multiplies by calculated AET to reduce or enhance AET.
Leaching.alpha	N/A	Reaction order for foliar leaching reaction.
Absorption.alpha	N/A	Reaction order for foliar adsorption reaction.
Foliar.target.conc	$\mu\text{mol/g}$	Determines foliar concentration of nutrients.
Percent.variation, foliar	Fraction	Fraction of target concentration which foliage can reach before limitation.
Translocation.Percent	Fraction	Fraction of foliar nutrients that are translocated to stem during litterfall events.
Foliar.Exudation	N/A	NULL
Foliar.Leaching	N/A	NULL
Foliar.absorption	N/A	NULL
Wood.target.conc	$\mu\text{mol/g}$	Wood.target.conc
Wood.initial.conc	Percent.variation	Wood.initial.conc
Percent.variation, Wood	$\mu\text{mol/g}$	Percent.variation, Wood
Bark.target.conc	$\mu\text{mol/g}$	Bark.target.conc
Bark.initial.conc	Percent.variation	Bark.initial.conc
Percent.variation, Bark		Percent.variation, Bark
Branch.target.conc	$\mu\text{mol/g}$	Branch.target.conc
Branch.initial.conc	$\mu\text{mol/g}$	Branch.initial.conc
Percent.variation, Branch	Fraction	Percent.variation, Branch