

Type	Parameter	Description	Value	Units	Reference
Site specific	A_U	fraction of land covered with terra firme ecosystems	0.7	dimensionless	Junk et al. (2011b)
	A_F	fraction of land covered with flooded ecosystems	0.3	dimensionless	Junk et al. (2011b)
	s_U	yearly averaged soil moisture of terra firme ecosystems	0.2–0.6	dimensionless	variable
	s_F	yearly averaged soil moisture seasonally flooded ecosystems	0.7	dimensionless	chosen
	I_{fW}	inputs by seasonal flooding to <i>várzea</i> ecosystems	1566	$\text{g P ha}^{-1} \text{ a}^{-1}$	chosen
	I_{fB}	inputs by seasonal flooding to <i>igapó</i> ecosystems	196	$\text{g P ha}^{-1} \text{ a}^{-1}$	chosen
	I_{aF}	inputs from river to land by animals	0, 72, 242	$\text{g P ha}^{-1} \text{ a}^{-1}$	variable
Animal-driven	k_D	litter and soil organic matter consumption by detritivores	0–0.3	a^{-1}	variable
	k_H	vegetation consumption by herbivores	0–0.1	a^{-1}	variable
	k_{DM}	mineralization fraction due to herbivory	0.5	a^{-1}	chosen
	k_{HM}	mineralization fraction due to herbivores	0.5	a^{-1}	chosen