

**Table 1.** Parameter sets for LPJ

Serial number	Plant functional type	$T_{c,min}$ (°C)	$T_{c,max}$ (°C)	$T_{w,max}$ (°C)	$T_{w-c,min}$ (°C)	GDD <sub>min</sub> (°C)
1	Cold temperate and temperate deciduous needleleaved forests	-	-13	23.5	35	350
2	Cold temperate and temperate mountainous evergreen needleleaved forests	-32.5	-13	23.5	-	600
3	Temperate evergreen needleleaved forests	-13	3	-	-	900
4	Subtropical evergreen needleleaved forests	3	14	-	-	900
5	Tropical evergreen needleleaved forests	14	22	-	-	900
6	Subtropical and tropical mountainous evergreen needleleaved forests	-13	22	20	-	900
7	Temperate deciduous broadleaved forests	-32.5	3	-	-	1200
8	Subtropical deciduous broadleaved forests	3	5.5	-	-	1200
9	Subtropical evergreen broadleaved	3	14	-	-	1200

	forests					
10	tropical seasonal forest and tropical rain forest	14	-	-	-	0
11	C3 perennial grassland	-	14	-	-	0

Note:  $T_{c,min}$  is minimum coldest monthly mean temperature,  $T_{c,max}$  is maximum coldest monthly mean temperature,

$GDD_{min}$  is minimum growing degree days (at or above 5 deg C),  $T_{w,max}$  is upper limit of temperature of the warmest

month,  $T_{w-c,min}$  is 20-year average min warmest - coldest month temperature range