Tableau 4. Paramètres du modèle FAPROM, valeurs utilisées pour le site vénézuélien.
4.1 - Caractéristiques des espèces (W : saison humide ; D : saison sèche).

Symbol	Parameters	Units	References	Ru	Es	Ac	Hy	Ba	Lu
$\gamma_{(i)}$	Nitrogen-fixing cost	–	Cannell & Thornley (2000) [Ryle *et al.* 1979, Phillips 1980, Sheehy 1987]	1	1	1	1	1	0.20
r_g	Growth respiration rate	$g_C\ g_C^{-1}\ d^{-1}$	Ruimy (1995)	0.20	0.20	0.20	0.20	0.20	0.20
m^N	Maintenance respiration rate	$g_C\ g_N^{-1}\ d^{-1}$	Ryan (1991)	0.13	0.13	0.13	0.13	0.13	0.13
$LMA_{(i)}$	Leaf mass per area	$g_{DM}\ m^{-2}$	Fontaine (2000)	54.4	195.9	114.9	182.5	120.9	87.8
$\omega_{(i)}$	Mean leaf angle	degree	Fontaine (2000)	80.0	60.7	20.2	51.8	52.0	34.1
$k_{(i)}$	Light extinction coefficient*	–	Sinoquet *et al.* (2000), Bonhomme & Varlet-Grancher (1977)	0.52	0.69	0.95	0.77	0.76	0.89

Photosynthesis

$P_{max\,(i)}$	Photosynthetic gross rate at saturating light	$\mu mol\ m^{-2}\ s^{-1}$	Fontaine (2000) Llambi *et al.* (2003) [Measurements corrected by 1.25 Saugier (p.c.)]	W	15.4	24.3	13.3	12.1	11.4	24.3
				D	8.3	62.4	9.5	8.3	11.4	17.1
$\alpha_{(i)}$	Photochemical efficiency	–		W	0.019	0.008	0.035	0.015	0.008	0.020
				D	0.039	0.008	0.011	0.019	0.008	0.025
$\theta_{(i)}$	Non-rectangular hyperbola curve	–		W	0.982	0.616	0.935	0.974	0.500	0.934
				D	0.500	0.500	0.500	0.505	0.500	0.642

Nitrogen concentrations $n_{(i,j)}$

$n_{(i,leaf)}$	Leaf W	/ 100 $g_N\ g_{DM}^{-1}$	Berbesi (1990) except for *Lupinus* [Coûteaux (p.c.)] and for *Acaena* seed (estimation)	1.96	0.70	1.44	1.26	1.23	3.25
$n_{(i,stem)}$	Stem W			0.63	0.95	0.63	0.60	0.63	2.25
$n_{(i,seed)}$	Seed W			1.02	0.53	1.00	1.51	1.19	2.75
$n_{(i,root)}$	Root W			0.53	0.60	0.46	0.49	0.42	1.93
$n_{(i,leaf)}$	Leaf D	/ 100 $g_N\ g_{DM}^{-1}$	Idem	2.32	0.67	1.50	1.35	0.61	3.25
$n_{(i,stem)}$	Stem D			0.63	1.10	0.62	0.70	1.30	2.25
$n_{(i,seed)}$	Seed D			2.60	0.41	1.00	1.10	1.12	2.75
$n_{(i,root)}$	Root D			0.85	0.40	0.45	0.61	0.53	1.93
$n^D_{(i,shoot)}$	dead mass Shoot	/ 100 $g_N\ g_{DM}^{-1}$	Marquez (p.c.)	0.93	0.74	1.05	1.27	1.23	2.32
$n^D_{(i,root)}$	dead mass Root			0.47	1.04	0.84	0.77	0.93	0.95

Mortality rate $s^C_{(i,j)}$

$s^C_{(i,leaf)}$	Leaf W	/ 100 $g_C\ g_C^{-1}\ d^{-1}$	Sarmiento (p.c.) Estrada (p.c.)	0.50	0.25	0.43	0.29	0.37	0.67
$s^C_{(i,stem)}$	Stem W			0.28	0.02	0.03	0.02	0.03	0.28
$s^C_{(i,seed)}$	Seed W			0.28	0.28	0.28	0.28	0.28	0.28
$s^C_{(i,root)}$	Root W			0.33	0.10	0.11	0.09	0.11	0.55
$s^C_{(i,leaf)}$	Leaf D	/ 100 $g_C\ g_C^{-1}\ d^{-1}$	Martineau (results of first-step calibrations, not shown)	2.00	0.38	0.64	0.34	0.37	2.67
$s^C_{(i,stem)}$	Stem D			1.12	0.03	0.04	0.02	0.02	1.11
$s^C_{(i,seed)}$	Seed D			1.12	0.42	0.42	0.33	0.28	1.11
$s^C_{(i,root)}$	Root D			1.32	0.15	0.17	0.11	0.09	2.22

* $k_{(i)} = 0.988 \cdot \cos^{2.4}\left(\frac{\omega_{(i)}}{2}\right)$