

ONLINE RESOURCE 2 Support tree species found in vanilla agroforests of north-eastern Madagascar

ID	Scientific name	Vernacular name	Family	Sources for species identification	Origin	Status (IUCN 2021; Beech et al. 2021)	Relative abundance	Relative frequency	Importance index	Frequency in forest-derived agroforests (plots n = 10)	Frequency in fallow-derived agroforests (plots n = 20)
1	<i>Jatropha curcas</i>	Valavelona	Euphorbiaceae	Osen et al. 2021	introduced	LC	0.37	0.07	84.58	3	16
2	<i>Clausena excavata</i>	Kakazontenakoho	Rutaceae	Osen et al. 2021	introduced	NA	0.10	0.04	19.81	4	8
3	<i>Pachira glabra</i>	Pisitasy kakazo	Malvaceae	Randrianaivo 2014	introduced	NA	0.06	0.02	16.49	2	3
4	<i>Gliricidia sepium</i>	Gricilia	Fabaceae	Osen et al. 2021	introduced	LC	0.06	0.03	12.40	3	5
5	<i>Coffea canephora</i>	Kafe	Rubiaceae	Osen et al. 2021; Schatz et al. 2001 (p.327)	introduced	LC	0.03	0.04	9.29	2	8
6	<i>Tambourissa purpurea</i>	Ambora	Monimiaceae	Osen et al. 2021	endemic genus native	LC	0.03	0.03	7.60	5	3
7	<i>Parinari curatellifolia</i>	Ramanolotra	Chrysobalanaceae	Osen et al. 2021; Schatz et al. 2001 (p.110)	introduced	NA	0.03	0.01	6.93	1	2
8	<i>Morus alba</i>	Duvin	Moraceae	Osen et al. 2021	introduced	NA	0.02	0.01	3.77	1	2
9	<i>Streblus dimepate</i>	Hodipaso / Mankavia beravina	Moraceae	Osen et al. 2021; Randrianaivo 2014	endemic	LC	0.02	0.03	5.92	6	2
10	<i>Sorindeia madagascariensis</i>	Voasorindrina	Anacardiaceae	Osen et al. 2021; Randrianaivo 2014; Schatz et al. 2001 (p.44)	native	LC*	0.02	0.02	5.03	6	0
11	<i>Albizia adianthifolia</i>	Sambalahy	Fabaceae	Osen et al. 2021; Schatz et al. 2001 (p.179)	native	LC	0.01	0.03	5.81	4	5
12	<i>Dracaena</i> sp2	Hasina	Asparagaceae	Schatz et al. 2001 (p.116)	unknown	NA	0.01	0.02	4.54	5	2
13	<i>Streblus mauritianus</i>	Ampaly	Moraceae	Osen et al. 2021; Randrianaivo 2014; Schatz et al. 2001 (p.275)	native	LC	0.01	0.01	5.39	1	3
14	<i>Burasaia madagascariensis</i>	Amborasaha	Menispermaceae	Osen et al. 2021; Schatz et al. 2001 (p.268)	endemic genus	LC	0.01	0.03	4.63	5	3
15	<i>Artocarpus heterophyllus</i>	Ampalibe	Moraceae	Osen et al. 2021; Randrianaivo 2014	introduced	NA	0.01	0.01	2.94	1	2
16	<i>Diospyros</i> sp1	Hazomainty / Maintimpototra	Ebenaceae	Osen et al. 2021; Schatz et al. 2001 (p.130)	unknown	NA	0.01	0.01	2.18	3	0
17	<i>Donella</i> sp1	Vintanona	Sapotaceae	Osen et al. 2021; Schatz et al. 2001 (p.112)	unknown	NA	0.01	0.01	1.98	2	1
18	<i>Mascarenhasia lanceolata</i>	Barabanja	Apocynaceae	Osen et al. 2021; Randrianaivo 2014; Schatz et al. 2001 (p.53)	endemic	LC	0.01	0.01	2.10	1	2
19	<i>Hibiscus tiliaceus</i>	Baro	Malvaceae	Osen et al. 2021; Schatz et al. 2001 (p.248)	native	LC	0.01	0.01	1.84	0	3

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20	<i>Trilepisium madagascariense</i>	Fotsy dity	Moraceae	Osen et al. 2021; Schatz et al. 2001 (p.278)	native	LC*	0.01	0.02	2.71	3	2
21	<i>Anthostema madagascariensis</i>	Mandra vokina / Andravokina	Euphorbiaceae	Osen et al. 2021; Schatz et al. 2001 (p.145)	endemic	LC	0.00	0.01	2.48	4	0
22	<i>Ficus tiliifolia</i>	Voara	Moraceae	Osen et al. 2021; Schatz et al. 2001 (p.276)	native	LC	0.00	0.01	2.34	2	1
23	<i>Gaertnera phyllostachya</i>	Bijofo	Rubiaceae	Osen et al. 2021	endemic	LC	0.00	0.01	2.08	3	0
24	Lauraceae sp1	Tanavy mangako	Lauraceae	Osen et al. 2021	unknown	NA	0.00	0.02	2.48	2	3
25	Cryptocarya sp1	Tavia / Tavolo	Lauraceae	Osen et al. 2021; Schatz et al. 2001 (p.228)	unknown	NA	0.00	0.01	1.25	1	1
26	<i>Harungana madagascariensis</i>	Harongana	Hypericaceae	Osen et al. 2021; Schatz et al. 2001 (p.114)	native	LC	0.00	0.00	10.28	1	0
27	Memecylon sp1	Mahamasatsokina / Tsimamasatsokiny / Antsy may	Melastomataceae	Osen et al. 2021; Schatz et al. 2001 (p.258)	unknown	NA	0.00	0.01	1.99	4	0
28	<i>Symphonia verrucosa</i>	Hazinina	Clusiaceae	Osen et al. 2021; Schatz et al. 2001 (p.116)	endemic	LC	0.00	0.01	1.96	4	0
29	<i>Allophylus cf. alnifolius</i>	Fandifihana	Sapindaceae	Osen et al. 2021; Schatz et al. 2001 (p.362)	native	NA	0.00	0.01	1.61	3	0
30	<i>Campylospermum obtusifolium</i>	Menahihy	Ochnaceae	Osen et al. 2021	endemic	DD	0.00	0.00	0.71	1	0
31	Craterispermum sp1	Kafeala	Rubiaceae	Osen et al. 2021; Schatz et al. 2001 (p.327)	unknown	NA	0.00	0.01	1.45	3	0
32	Cynometra sp1	Mampay	Fabaceae	Osen et al. 2021; Schatz et al. 2001 (pp.179 – 207)	unknown	NA	0.00	0.00	1.07	1	0
33	<i>Diospyros rubripetiolata</i>	Kakazon'ankodavitra / Hazonankodavitra	Ebenaceae	Osen et al. 2021	endemic	LC	0.00	0.01	1.08	2	0
34	Eugenia sp1	Gavoala	Myrtaceae	Osen et al. 2021	unknown	NA	0.00	0.01	1.50	3	0
35	Ficus sp3	Voarano antanety	Moraceae	Schatz et al. 2001 (p.276)	unknown	NA	0.00	0.01	2.17	1	1
36	Homalium sp1	Hazoambato	Salicaceae	Osen et al. 2021; Schatz et al. 2001 (p. 356)	unknown	NA	0.00	0.01	1.48	3	0
37	Homalium sp2	Janganito	Salicaceae	Schatz et al. 2001 (p.356)	unknown	NA	0.00	0.01	1.11	2	0
38	Hyperacanthus sp1	Mantalany	Rubiaceae	Osen et al. 2021	unknown	NA	0.00	0.01	1.61	3	0
39	<i>Intsia bijuga</i>	Hintsina	Fabaceae	Schatz et al. 2001 (p.194)	native	NT	0.00	0.01	1.15	2	0
40	Plagioscyphus sp1	Soretry	Sapindaceae	Schatz et al. 2001 (p.371)	endemic genus	NA	0.00	0.01	1.14	2	0
41	Sarizavoka**	Sarizavoka	NA	not found	unknown	NA	0.00	0.01	1.12	2	0
42	<i>Tina isoneura</i>	Sary manga / Sarimanga	Sapindaceae	Osen et al. 2021	endemic genus	LC	0.00	0.01	1.14	2	0

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43	<i>Turraea</i> sp1	Sarivoangy / Saritsoha	Meliaceae	Osen et al. 2021	unknown	NA	0.00	0.01	2.17	2	1
44	<i>Uapaca silvestris</i>	Paka beravina	Phyllanthaceae	Schatz et al. 2001 (p.166)	endemic	LC	0.00	0.01	1.10	2	0
45	<i>Xylopia</i> sp1	Moranga	Annonaceae	Schatz et al. 2001 (p.48)	unknown	NA	0.00	0.01	1.55	2	1
46	<i>Cleistanthus</i> sp1	Rahiny	Phyllanthaceae	Osen et al. 2021	unknown	NA	0.00	0.01	1.01	2	0
47	<i>Cnestis</i> sp1	Voaseva	Connaraceae	Osen et al. 2021	unknown	NA	0.00	0.01	0.95	1	1
48	<i>Croton</i> sp1	Jala	Euphorbiaceae	Osen et al. 2021	unknown	NA	0.00	0.01	0.94	2	0
49	<i>Dalbergia</i> sp1	Andramena	Fabaceae	Osen et al. 2021;	unknown	NA	0.00	0.01	0.96	2	0
50	<i>Dichaetanthera altissima</i>	Trotrokala	Melastomataceae	Schatz et al. 2001 (p.186)	endemic	EN	0.00	0.00	0.67	1	0
51	<i>Dracaena</i> sp1	Hasimpilo	Asparagaceae	Osen et al. 2021;	unknown	NA	0.00	0.01	0.94	2	0
52	<i>Faucherea</i> sp1	Nanto Lahiny	Sapotaceae	Schatz et al. 2001 (p.116)	endemic genus	NA	0.00	0.00	0.64	1	0
53	<i>Leea spinea</i>	Sadrakidraky beravina	Vitaceae	Osen et al. 2021	endemic	LC	0.00	0.01	0.95	2	0
54	<i>Pittosporum</i> sp1	Maimbovitsika	Pittosporaceae	Schatz et al. 2001 (pp.40, 214, 303)	unknown	NA	0.00	0.01	1.11	2	0
55	<i>Psorospermum</i> sp1	Harongampanihy	Hypericaceae	Osen et al. 2021;	unknown	NA	0.00	0.01	0.95	2	0
56	<i>Psychotria</i> sp1	Sangira mantingoro	Rubiaceae	Schatz et al. 2001 (p.115)	unknown	NA	0.00	0.01	1.00	2	0
57	<i>Saramiramy</i> **	Saramiramy	NA	Osen et al. 2021;	unknown	NA	0.00	0.00	0.68	1	0
58	<i>Solanum</i> sp1	Angivibe	Solanaceae	Schatz et al. 2001 (p.390)	not found	NA	0.00	0.00	0.62	1	0
59	<i>Syzygium</i> sp2	Voararotra	Myrtaceae	Schatz et al. 2001 (p.289)	unknown	NA	0.00	0.01	0.93	2	0
60	<i>Tabernaemontana eusepala</i>	Kaboko / Kaboka	Apocynaceae	Schatz et al. 2001 (p.338)	endemic	LC	0.00	0.01	1.04	2	0
61	<i>Tambourissa thouvenotii</i>	Amborabe	Monimiaceae	Osen et al. 2021	endemic genus	LC	0.00	0.01	0.99	2	0
62	<i>Tambourissa trichophylla</i>	Amborabe ravina	Monimiaceae	Osen et al. 2021	endemic genus	LC	0.00	0.00	0.58	1	0
63	<i>Tina</i> sp1	Somotraoragna	Sapindaceae	Osen et al. 2021	endemic genus	NA	0.00	0.00	0.59	1	0
64	<i>Aphloia theiformis</i>	Ravimbafotsy / Kirandra	Aphloiaceae	Osen et al. 2021	endemic genus native	LC	0.00	0.00	0.48	1	0
65	<i>Arabalavo</i> **	Arabalavo	NA	not found	unknown	NA	0.00	0.00	0.51	1	0
66	<i>Bridelia tulasneana</i>	Kitata	Phyllanthaceae	Osen et al. 2021;	endemic	LC	0.00	0.00	0.47	1	0
				Randrianaivo 2014;							
				Schatz et al. 2001 (p.148)							

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67	<i>Calantica grandiflora</i>	Maroankoditra	Salicaceae	Osen et al. 2021	endemic genus	LC	0.00	0.00	0.54	1	0
68	<i>Chrysophyllum</i> sp1	Famelona	Sapotaceae	Osen et al. 2021; Schatz et al. 2001 (p.377)	unknown	NA	0.00	0.00	0.55	1	0
69	<i>Citrus</i> sp1	Orange tree	Rutaceae	not found	introduced	NA	0.00	0.00	0.55	1	0
70	<i>Citrus</i> sp2	Voangy dŷ	Rutaceae	Osen et al. 2021; Schatz et al. 2001 (p.348)	introduced	NA	0.00	0.00	0.69	1	0
71	<i>Colubrina faraloatra</i>	Angezokala	Rhamnaceae	Osen et al. 2021	endemic	LC	0.00	0.00	0.57	1	0
72	<i>Craspidospermum verticillatum</i>	Faria	Apocynaceae	Osen et al. 2021; Schatz et al. 2001 (p.52)	endemic genus	LC	0.00	0.00	0.52	1	0
73	<i>Craterispermum</i> sp2	Kafeala beravina	Rubiaceae	Osen et al. 2021; Schatz et al. 2001 (p.327)	unknown	NA	0.00	0.00	0.48	1	0
74	<i>Craterispermum</i> sp3	Kafeala madinidravina	Rubiaceae	Osen et al. 2021; Schatz et al. 2001 (p.327)	unknown	NA	0.00	0.00	0.47	0	1
75	<i>Dillenia triquetra</i>	Tsiloparambarika	Dilleniaceae	Osen et al. 2021; Schatz et al. 2001 (p.128)	endemic	LC	0.00	0.00	0.63	1	0
76	Ditimena**	Ditimena	NA	not found	unknown	NA	0.00	0.00	0.53	1	0
77	<i>Dombeya</i> sp1	Hafotra	Malvaceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.49	1	0
78	<i>Dracaena</i> sp3	Hasina mena	Asparagaceae	Osen et al. 2021; Schatz et al. 2001 (p.116)	unknown	NA	0.00	0.00	0.46	1	0
79	<i>Dracaena</i> sp4	Hasina fotsy (ravina)	Asparagaceae	Osen et al. 2021; Schatz et al. 2001 (p.116)	unknown	NA	0.00	0.00	0.48	1	0
80	<i>Ellipanthus</i> sp1	Ompa	Connaraceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.57	1	0
81	<i>Ficus</i> sp1	Amotana	Moraceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.56	0	1
82	<i>Ficus</i> sp2	Voara madinidravina	Moraceae	Osen et al. 2021; Schatz et al. 2001 (p.276)	unknown	NA	0.00	0.00	0.54	1	0
83	<i>Ficus</i> sp4	Aviavy	Moraceae	Osen et al. 2021; Schatz et al. 2001 (p.276)	unknown	NA	0.00	0.00	0.52	0	1
84	<i>Ficus</i> sp5	Mandresy	Moraceae	Osen et al. 2021; Schatz et al. 2001 (p.276)	unknown	NA	0.00	0.00	0.53	1	0
85	<i>Garcinia</i> sp1	Vonga mena	Clusiaceae	Osen et al. 2021; Schatz et al. 2001 (p.113)	unknown	NA	0.00	0.00	0.52	1	0
86	<i>Grisollea myriantha</i>	Mahasalama	Stemonuraceae	Osen et al. 2021; Schatz et al. 2001 (p.216)	native	LC	0.00	0.00	0.47	1	0
87	Hazomora**	Hazomora	NA	not found	unknown	NA	0.00	0.00	0.49	1	0
88	<i>Hymenaea verrucosa</i>	Mandrorofo	Fabaceae	Osen et al. 2021; Schatz et al. 2001 (p.193)	native	LC	0.00	0.00	0.47	1	0
89	Jirika / Tambakobe**	Jirika / Tambakobe	NA	not found	unknown	NA	0.00	0.00	0.52	1	0

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90	Macaranga sp1	Mongy	Euphorbiaceae	Osen et al. 2021; Randrianaivo 2014; Schatz et al. 2001 (p. not given)	unknown	NA	0.00	0.00	0.58	1	0
91	<i>Manihot esculenta</i>	Mahogo / Mangahaso	Euphorbiaceae	Osen et al. 2021	introduced	NA	0.00	0.00	0.53	0	1
92	<i>Nesogordonia crassipes</i>	Fanondamba	Malvaceae	Osen et al. 2021	endemic	LC	0.00	0.00	0.49	1	0
93	Nesogordonia sp1	Lavavay	Malvaceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.47	1	0
94	Noronhia sp1	Tsilaitry sp1 / Laitrahazo sp1	Oleaceae	Osen et al. 2021; Schatz et al. 2001 (p.296)	unknown	NA	0.00	0.00	0.46	1	0
95	Noronhia sp2	Tsilaitry sp2 / Laitrahazo sp2	Oleaceae	Osen et al. 2021; Schatz et al. 2001 (p.297)	unknown	NA	0.00	0.00	0.48	1	0
96	Ocotea sp1	Tafonana	Lauraceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.48	1	0
97	Oncostemum sp1	Hazintoho	Primulaceae	Osen et al. 2021; Schatz et al. 2001 (p.286)	endemic genus	NA	0.00	0.00	0.53	1	0
98	<i>Paropsia humblotii</i>	Fagnonahona	Passifloraceae	Osen et al. 2021; Schatz et al. 2001 (p.300)	endemic	LC	0.00	0.00	0.48	1	0
99	<i>Persea americana</i>	Zavoka	Lauraceae	Osen et al. 2021; Randrianaivo 2014	introduced	LC	0.00	0.00	0.81	1	0
100	Pittosporum sp2	Zemby	Pittosporaceae	Osen et al. 2021; Schatz et al. 2001 (p.40, 214, 303)	unknown	NA	0.00	0.00	0.47	1	0
101	Polyalthia sp1	Ombavy	Annonaceae	Osen et al. 2021; Schatz et al. 2001 (p.48)	unknown	NA	0.00	0.00	0.48	1	0
102	Potameia sp1	Antevaratra	Lauraceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.51	1	0
103	<i>Poupartia minor</i>	Sakoagnala	Anacardiaceae	Osen et al. 2021	endemic	LC	0.00	0.00	0.50	1	0
104	Protium sp1	Tsiramirami	Burseraceae	Identified by P. Antilahimena***	unknown	NA	0.00	0.00	0.46	0	1
105	<i>Psiadia altissima</i>	Antsotry kakazo	Asteraceae	Identified by P. Antilahimena***	endemic	LC	0.00	0.00	0.48	0	1
106	<i>Psidium cattleianum</i>	Gavochine / Gavosina	Myrtaceae	Osen et al. 2021; Randrianaivo 2014	introduced	NA	0.00	0.00	0.56	1	0
107	Senna sp1	Hitsankintsana (ala)	Fabaceae	Osen et al. 2021; Randrianaivo 2014; Schatz et al. 2001 (p.204)	unknown	NA	0.00	0.00	0.54	1	0
108	<i>Sterculia tavia</i>	Nofotroakoho	Malvaceae	Osen et al. 2021	native	LC	0.00	0.00	0.47	1	0
109	Streblus sp1	Tsidity	Moraceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.52	1	0
110	Symphonia sp1	Hazinina fotsy	Clusiaceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.52	1	0
111	Symphonia sp2	Hazinina fotsy ravina	Clusiaceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.53	1	0
112	Symphonia sp3	Hazinina madinidravina	Clusiaceae	Osen et al. 2021	unknown	NA	0.00	0.00	0.48	1	0

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113	<i>Syzygium</i> sp1	Rôtro	Myrtaceae	Osen et al. 2021; Schatz et al. 2001 (p.289)	unknown	NA	0.00	0.00	0.48	1	0
114	Telotriti**	Telotriti	NA	not found	unknown	NA	0.00	0.00	0.48	1	0
115	<i>Treculia madagascariensis</i>	Ompa madinidravina	Moraceae	Osen et al. 2021	endemic	NA	0.00	0.00	0.47	1	0
116	Tsontso**	Tsontso	NA	not found	unknown	NA	0.00	0.00	0.48	1	0
117	<i>Uapaca</i> sp1	Paka	Phyllanthaceae	Osen et al. 2021; Schatz et al. 2001 (p.166)	unknown	NA	0.00	0.00	0.67	1	0
118	<i>Viguieranthus</i> sp1	Fanembodriana / Fanemboka	Fabaceae	Schatz et al. 2001 (p.207)	native	NA	0.00	0.00	0.47	1	0
119	Voantsikopoka**	Voantsikopoka	NA	not found	unknown	NA	0.00	0.00	0.47	1	0
120	Voavandrika**	Voavandrika	NA	not found	unknown	NA	0.00	0.00	0.46	1	0
121	Vonkina**	Vonkina	NA	not found	unknown	NA	0.00	0.00	0.57	1	0
122	<i>Xylopia</i> sp2	Moranga mena	Annonaceae	Schatz et al. 2001 (p.48)	unknown	NA	0.00	0.00	0.49	1	0
SUM							1	1	300	197	87

* Assessment provisional or in press (Beech et al. 2021).

** Vernacular name.

*** Missouri Botanical Garden Antananarivo.