

Supplementary Material

Evolutionary ecophysiology of seed desiccation sensitivity

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Table S1. Species of the recalcitrant and intermediate categories used for determination of the lowest safe moisture content (LSMC)

r: recalcitrant; i: intermediate.

Species	lsmc %	Category	lsmc dry weight base
<i>Castanospermum australe</i> A.Cunn. & Fraser	65.5	r	1.898550725
<i>Scadoxus membranaceus</i> (Baker) Friis & Nordal	63	r	1.702702703
<i>Avicennia marina</i> (Forssk.) Vierh.	61.5	r	1.597402597
<i>Trichilia emetica</i> Vahl.	60	r	1.5
<i>Persea americana</i> Mill.	57	r	1.325581395
<i>Shorea pachyphylla</i> Ridl. ex Symington	56	r	1.272727273
<i>Shorea singkawang</i> (Miq.) Miq.	55	r	1.222222222
<i>Spartina anglica</i> C.E.Hubb.	53	r	1.127659574
<i>Syzygium paniculatum</i> Gaertn.	52.4	r	1.100840336
<i>Dryobalanops lanceolata</i> Burck	51	r	1.040816327
<i>Shorea siamensis</i> Miq.	51	r	1.040816327
<i>Acer pseudoplatanus</i> L.	50	r	1
<i>Dipterocarpus obtusifolius</i> Teijsm. ex Miq.	50	r	1
<i>Dipterocarpus zeylanicus</i> Thwaites	50	r	1
<i>Nectandra membranacea</i> (Sw.) Griseb.	50	r	1
<i>Symphonia globulifera</i> L.f.	50	r	1
<i>Telfairia occidentalis</i> Hook.f.	50	r	1
<i>Araucaria angustifolia</i> (Bertol.) Kuntze	48	r	0.923076923
<i>Dipterocarpus caudatus</i> Foxw.	47	r	0.886792453
<i>Acer saccharinum</i> L.	45	r	0.818181818
<i>Acmena smithii</i> (Poir.) Merr. & Perry	45	r	0.818181818
<i>Dipterocarpus turbinatus</i> Gaertn.	45	r	0.818181818
<i>Hopea odorata</i> Roxb.	45	r	0.818181818

<i>Inga calderonii</i> Standl.	45	r	0.818181818
<i>Inga densiflora</i> Benth.	45	r	0.818181818
<i>Inga insignis</i> Kunth	45	r	0.818181818
<i>Inga punctata</i> Willd.	45	r	0.818181818
<i>Quercus acutissima</i> Carruthers	45	r	0.818181818
<i>Quercus serrata</i> Thunb.	45	r	0.818181818
<i>Syzygium cordatum</i> Hochst. ex Krauss	43.5	r	0.769911504
<i>Artocarpus integra</i> Merr.	43.2	r	0.76056338
<i>Dypsis lutescens</i> (H.Wendl.) Beentje & J.Dransf.	43	r	0.754385965
<i>Guarea thompsoni</i> Sprague & Hutch.	43	r	0.754385965
<i>Parashorea tomentella</i> (Symington) Meijer	43	r	0.754385965
<i>Quercus mongolica</i> subsp. <i>crispula</i> (Bl.) Menitsky	43	r	0.754385965
<i>Stemonoporus canaliculatus</i> Thwaites	43	r	0.754385965
<i>Aglaiia pachyphylla</i> Miq.	42	r	0.724137931
<i>Inga semialata</i> (Vell.Conc.) M.Martens	42	r	0.724137931
<i>Parashorea malaanonan</i> (Blanco) Merr.	42	r	0.724137931
<i>Shorea acuminata</i> Dyer	42	r	0.724137931
<i>Shorea leprosula</i> Miq.	42	r	0.724137931
<i>Durio zibethinus</i> Rumph. ex Murray	41.5	r	0.709401709
<i>Shorea xanthophylla</i> Symington	41	r	0.694915254
<i>Vatica odorata</i> (Griff.) Symington	41	r	0.694915254
<i>Artocarpus heterophyllus</i> Lam.	40	r	0.666666667
<i>Clausena lansium</i> (Lour.) Skeels	40	r	0.666666667
<i>Cordyla pinnata</i> (A.Rich) Milne-Redh.	40	r	0.666666667
<i>Inga vera</i> Willd.	40	r	0.666666667
<i>Parashorea smythiesii</i> Wyatt-Sm. ex Ashton	40	r	0.666666667
<i>Quercus nigra</i> L.	40	r	0.666666667
<i>Quercus robur</i> L.	40	r	0.666666667
<i>Shorea almon</i> Foxw.	40	r	0.666666667
<i>Shorea amplexicaulis</i> Ashton	40	r	0.666666667
<i>Shorea assamica</i> Dyer	40	r	0.666666667
<i>Araucaria araucana</i> (Molina) K.Koch	38	r	0.612903226
<i>Dipterocarpus costatus</i> Gaertn.	38	r	0.612903226
<i>Quercus acuta</i> Oerst.	38	r	0.612903226
<i>Quercus myrsinaefolia</i> Oerst.	38	r	0.612903226
<i>Shorea fallax</i> Meijer	38	r	0.612903226
<i>Shorea macroptera</i> Dyer	38	r	0.612903226
<i>Trichilia monadelpha</i> (Thonning) J.J.de Wilde	38	r	0.612903226
<i>Trichilia prieureana</i> A.Juss.	38	r	0.612903226
<i>Dryobalanops aromatica</i> Gaertn.	37	r	0.587301587
<i>Hopea mengarawan</i> Miq.	37	r	0.587301587
<i>Landolphia kirkii</i> Dyer	37	r	0.587301587
<i>Shorea trapezifolia</i> (Thwaites) Ashton	37	r	0.587301587
<i>Podocarpus henkelii</i> Stapf ex Dallim. & A.B.Jacks.	35.5	r	0.550387597
<i>Aquilaria agallocha</i> Roxb.	35	r	0.538461538

<i>Araucaria bidwillii</i> Hook.	35	r	0.538461538
<i>Shorea macrophylla</i> (De Vriese) P.S.Ashton	35	r	0.538461538
<i>Carapa procera</i> DC.	34	r	0.515151515
<i>Cotylelobium melanoxylo</i> (Hook.f.) Pierre	33	r	0.492537313
<i>Shorea obtusa</i> Wall. ex Bl.	33	r	0.492537313
<i>Areca catechu</i> L.	32.8	r	0.488095238
<i>Araucaria hunsteinii</i> K.Schum.	32	r	0.470588235
<i>Shorea gibbosa</i> Brandis	32	r	0.470588235
<i>Shorea parvifolia</i> Dyer	32	r	0.470588235
<i>Trichilia megalantha</i> Harms	32	r	0.470588235
<i>Shorea argentifolia</i> Symington	31	r	0.449275362
<i>Vatica mangachapoi</i> Blanco	31	r	0.449275362
<i>Cotylelobium burckii</i> (Heim) Heim	30	r	0.428571429
<i>Euterpe edulis</i> Mart.	30	r	0.428571429
<i>Hopea ferrea</i> Laness.	30	r	0.428571429
<i>Hopea hainanensis</i> Merr. & Chun	30	r	0.428571429
<i>Hopea helferi</i> (Dyer) Brandis	30	r	0.428571429
<i>Quercus rubra</i> L.	30	r	0.428571429
<i>Trichilia dregeana</i> Sond.	30	r	0.428571429
<i>Shorea ferruginea</i> Dyer ex Brandis	29	r	0.408450704
<i>Shorea lepidota</i> (Korth.) Bl.	27	r	0.369863014
<i>Shorea ovalis</i> (Korth.) Bl.	27	r	0.369863014
<i>Shorea roxburghii</i> G.Don	27	r	0.369863014
<i>Theobroma cacao</i> L.	27	r	0.369863014
<i>Hevea brasiliensis</i> (Willd. ex A.Juss.) Müll.Arg.	25	r	0.333333333
<i>Quercus falcata</i> var. <i>pagodifolia</i> Elliot	25	r	0.333333333
<i>Shorea robusta</i> Gaertn.	25	r	0.333333333
<i>Shorea selanica</i> (Lamk) Bl.	25	r	0.333333333
<i>Hopea utilis</i> (Bedd.) Bole	20	r	0.25
<i>Coffea liberica</i> Bull. ex Hiern	16	r	0.19047619
<i>Musa acuminata</i> Colla	15	i	0.176470588
<i>Musa balbisiana</i> Colla	14	i	0.162790698
<i>Attalea crassispatha</i> (M.Martens) Burret	13.7	i	0.158748552
<i>Copaifera multijuga</i> Hayne	13	i	0.149425287
<i>Manilkara zapota</i> (L.) P.Royen	13	i	0.149425287
<i>Averrhoa carambola</i> L.	12.3	i	0.140250855
<i>Araucaria columnaris</i> Hook.	12	i	0.136363636
<i>Araucaria nemorosa</i> de Laub.	12	i	0.136363636
<i>Araucaria rulei</i> Müll.Arg.	12	i	0.136363636
<i>Araucaria scopulorum</i> de Laub.	12	i	0.136363636
<i>Bertholletia excelsa</i> Bonpl.	12	i	0.136363636
<i>Citrus sulcata</i> Hort. ex Tanaka	12	i	0.136363636
<i>Citrus tamurana</i> Tanaka	12	i	0.136363636
<i>Coffea dewevrei</i> De Wild. & T.Durand	12	i	0.136363636
<i>Dipterocarpus alatus</i> Roxb. ex G.Don	12	i	0.136363636

Dipterocarpus tuberculatus Roxb.	12	i	0.136363636
Dipteryx odorata (Aubl.) Willd.	12	i	0.136363636
Musa spp.	12	i	0.136363636
Araucaria heterophylla (Salisb.) Franco	12	i	0.136363636
Piper nigrum L.	11.9	i	0.13507378
Azadirachta indica A.Juss.	11.8	i	0.133786848
Zizania palustris L.	11.5	i	0.129943503
Citrus grandis (L.) Osbeck	11	i	0.123595506
Citrus sinensis (L.) Osbeck	10.6	i	0.118568233
Roystonea regia (Kunth) Cook	10.4	i	0.116071429
Coffea congensis A.Froehner	10	i	0.111111111
Dipterocarpus intricatus Dyer	10	i	0.111111111
Passiflora edulis Sims	9.1	i	0.100110011
Agathis macrophylla (Lindl.) Mast.	9	i	0.098901099
Coffea arabica L.	8	i	0.086956522
Thrinax morrisii H.Wendl.	7	i	0.075268817