

Appendix 1

Table of plant families showing RBGE collections compared with their occurrence worldwide.

Note that taxa counts at RBGE may exceed globally accepted taxa counts. This is due to an inflation of figures through the inclusion of cultivars, varieties and forms in the numbers. Such clonal variations are often not accounted for in databases which are the source of the globally accepted taxa figures. Globally accepted taxa counts were derived from World Flora Online (2020) and, for the families Asteraceae and Fabaceae, Plants of the World Online (2020).

References

POWO (2020). Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. Available online: www.plantsoftheworldonline.org (accessed 30 November 2020).

WFO (2020). World Flora Online. Available online: www.worldfloraonline.org (accessed 30 November 2020).

	Family	Genera			Taxa			Accessions
		World	Alive at RBGE	% of world alive at RBGE	World	Alive at RBGE	% of world alive at RBGE	Alive at RBGE
Bryophytes	Anthocerotaceae	11	1	9	152	1	1	1
	Aulacomniaceae	5	1	20	23	1	4	1
	Aytoniaceae	9	2	22	108	5	5	7
	Bryaceae	33	1	3	2,357	1	<1	1
	Conocephalaceae	1	1	100	3	2	66	2
	Hookeriaceae	36	1	3	840	1	<1	1
	Hypnaceae	60	1	2	2,612	1	<1	1
	Marchantiaceae	5	1	20	58	1	2	1
	Mniaceae	12	3	25	227	3	1	3
	Pelliaceae	3	1	33	8	1	13	8
	Polytrichaceae	25	2	8	580	2	<1	2
Thuidiaceae	25	1	4	536	1	<1	1	
Fern allies	Isoetaceae	4	1	25	98	1	1	1
	Lycopodiaceae	11	2	18	494	6	1	12
	Selaginellaceae	2	1	50	409	53	13	84
Ferns	Anemiaceae	3	1	33	106	3	3	4
	Aspleniaceae	18	2	11	544	45	8	114
	Athyriaceae	7	7	100	681	34	5	74
	Blechnaceae	13	5	38	226	52	23	160
	Cyatheaceae	7	3	43	525	25	5	66
	Cystopteridaceae	4	2	50	42	15	36	34
	Davalliaceae	5	4	80	62	29	44	66
	Dennstaediaceae	13	9	69	232	18	8	33
	Dicksoniaceae	3	3	100	19	16	84	57
	Dipteridaceae	3	1	33	15	2	13	3
	Dryopteridaceae	35	14	40	1,928	113	6	272
	Equisetaceae	1	1	100	34	29	85	90
	Gleicheniaceae	6	1	17	144	1	1	3
	Hymenophyllaceae	16	4	25	148	10	7	28
	Lepidoziaceae	28	1	4	606	1	<1	1
	Lygodiaceae	1	1	100	20	4	20	5
	Marattiaceae	7	3	43	148	10	7	20
	Marsileaceae	3	2	67	34	6	18	9
	Nephrolepidaceae	1	1	100	26	7	27	12
	Oleandraceae	1	1	100	21	4	19	10
	Onocleaceae	4	3	75	11	5	45	13
	Ophioglossaceae	5	2	40	121	2	2	2
	Osmundaceae	4	3	75	20	14	70	38
Plagiogyraceae	1	1	100	16	3	19	4	
Polypodiaceae	91	29	32	1,650	107	6	196	

	Family	Genera			Taxa			Accessions
		World	Alive at RBGE	% of world alive at RBGE	World	Alive at RBGE	% of world alive at RBGE	Alive at RBGE
Ferns	Psilotaceae	2	1	50	3	3	100	4
	Pteridaceae	66	18	27	1,282	103	8	199
	Salviniaceae	2	1	50	19	2	11	2
	Tectariaceae	14	3	21	335	15	4	20
	Thelypteridaceae	27	6	22	990	22	2	35
	Thyrspteridaceae	1	1	100	1	1	100	3
	Woodsiaceae	4	1	25	50	9	18	94
Gnetophytes	Ephedraceae	1	1	100	78	8	10	21
	Gnetaceae	1	1	100	48	2	4	3
	Welwitschiaceae	1	1	100	2	1	50	2
Conifers	Araucariaceae	4	3	75	41	30	73	253
	Cupressaceae	31	30	97	208	274	100	1,253
	Pinaceae	11	11	100	365	323	88	1,867
	Podocarpaceae	19	16	84	199	89	45	495
	Sciadopityaceae	1	1	100	1	1	100	28
	Taxaceae	6	5	83	39	81	100	504
Ginkgophytes	Ginkgoaceae	1	1	100	1	1	100	15
Cycads	Cycadaceae	1	1	100	93	8	9	13
	Zamiaceae	9	8	89	218	26	12	45
Dicotyledons	Acanthaceae	224	23	10	4,021	59	1	67
	Acoraceae	1	1	100	4	3	75	3
	Actinidiaceae	3	2	67	193	17	9	33
	Adoxaceae	4	3	75	230	90	39	229
	Aextoxicaceae	1	1	100	1	1	100	3
	Aizoaceae	145	19	13	2,331	42	2	51
	Altingiaceae	3	2	67	19	5	26	10
	Amaranthaceae	181	4	2	2,212	6	<1	6
	Anacampserotaceae	3	2	67	62	2	3	2
	Anacardiaceae	77	8	10	753	25	3	40
	Annonaceae	124	5	4	2,135	8	<1	8
	Apiaceae	420	42	10	3,509	103	3	146
	Apocynaceae	398	46	12	5,745	108	2	166
	Aquifoliaceae	3	1	33	518	69	13	108
	Araliaceae	40	18	45	1,586	89	6	67
	Argophyllaceae	2	1	50	22	4	18	10
	Aristolochiaceae	6	2	33	643	12	2	29
	Asteraceae	1,600	154	10	38,616	550	1.5	885
	Atherospermataceae	7	3	43	21	3	14	11
	Austrobaileyaceae	1	1	100	1	1	100	1
	Balsaminaceae	2	1	50	506	15	3	16
	Basellaceae	4	1	25	19	2	11	2
	Begoniaceae	3	2	67	1,618	220	14	411
	Berberidaceae	18	14	78	779	216	28	459
	Berberidopsidaceae	1	1	100	2	2	100	19
	Betulaceae	6	5	83	282	123	44	473
	Biebersteiniaceae	1	1	100	5	1	20	1
	Bignoniaceae	82	19	23	866	41	5	74
	Bixaceae	4	1	25	26	1	4	1
	Boraginaceae	148	21	14	2,976	58	2	67
	Brassicaceae	348	35	10	4,507	104	2	136
	Burseraceae	17	4	24	681	8	1	10
Buxaceae	5	3	60	132	27	20	57	

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		World	Alive at RBGE	% of world alive at RBGE	World	Alive at RBGE	% of world alive at RBGE	Alive at RBGE
Dicotyledons	Cactaceae	148	48	32	2,715	244	9	307
	Calceolariaceae	4	2	50	314	18	6	29
	Calophyllaceae	11	1	9	131	1	1	1
	Calycanthaceae	3	2	67	12	6	50	12
	Campanulaceae	85	19	22	2,577	111	4	174
	Cannabaceae	8	2	25	115	7	6	13
	Capparaceae	36	4	11	490	4	1	4
	Caprifoliaceae	50	21	42	953	150	16	292
	Cardiopteridaceae	6	2	33	46	2	4	3
	Caricaceae	5	2	40	51	3	6	3
	Caryophyllaceae	88	16	18	2,866	137	5	191
	Casuarinaceae	4	2	50	94	7	7	10
	Celastraceae	89	10	11	1,218	75	6	172
	Cercidiphyllaceae	1	1	100	2	3	100	28
	Chloranthaceae	4	1	25	73	2	3	3
	Cistaceae	7	5	71	258	42	16	70
	Cleomaceae	12	2	17	272	3	1	3
	Clethraceae	2	1	50	91	11	12	34
	Clusiaceae	23	2	9	1,069	5	<1	5
	Columelliaceae	2	1	50	10	1	10	12
	Combretaceae	15	4	27	519	10	2	10
	Convolvulaceae	56	3	5	1,409	8	1	8
	Coriariaceae	1	1	100	16	5	31	7
	Cornaceae	13	5	38	169	45	27	135
	Corynocarpaceae	1	1	100	3	1	33	2
	Crassulaceae	46	24	52	1,671	233	14	342
	Daphniphyllaceae	2	1	50	40	4	10	9
	Datisceae	1	1	100	2	1	50	1
	Diapensiaceae	6	3	50	6	5	83	9
	Didiereaceae	7	1	14	14	1	7	1
	Dilleniaceae	10	2	20	221	2	1	2
	Dipentodonaceae	2	1	50	20	2	10	2
	Dipterocarpaceae	15	2	13	139	2	1	4
	Droseraceae	3	2	67	206	6	3	9
	Ebenaceae	3	1	33	777	7	1	10
	Elaeagnaceae	4	3	75	111	11	10	21
	Elaeocarpaceae	10	3	30	678	6	1	31
	Ericaceae	141	57	40	3,904	1,591	41	4,582
	Escalloniaceae	7	3	43	63	24	38	43
	Eucommiaceae	1	1	100	1	1	100	2
	Euphorbiaceae	220	16	7	6,835	73	1	108
	Eupomatiaceae	1	1	100	1	1	100	1
	Eupteleaceae	1	1	100	2	2	100	7
	Fabaceae	770	103	13	20,000	275	1.5	363
	Fagaceae	9	6	67	1,151	119	10	317
Fouquieriaceae	1	1	100	13	1	8	1	
Garryaceae	2	2	100	33	11	33	16	
Gentianaceae	89	9	10	1,893	46	2	69	
Geraniaceae	7	4	57	875	257	29	413	
Gesneriaceae	166	68	41	3,205	339	11	803	
Gomortegaceae	1	1	100	1	1	100	1	
Griselinaceae	1	1	100	2	5	100	13	

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		World	Alive at RBGE	% of world alive at RBGE	World	Alive at RBGE	% of world alive at RBGE	Alive at RBGE
Dicotyledons	Grossulariaceae	1	1	100	229	62	27	90
	Gunneraceae	1	1	100	72	10	14	20
	Haemodoraceae	14	2	14	108	3	3	4
	Haloragaceae	9	2	22	99	2	2	2
	Hamamelidaceae	22	14	64	105	36	34	71
	Helwingiaceae	1	1	100	9	2	22	3
	Hernandiaceae	5	1	20	57	1	2	1
	Hydrangeaceae	17	8	47	283	122	43	275
	Hypericaceae	10	1	10	659	33	5	59
	Iteaceae	3	1	33	20	1	5	4
	Juglandaceae	12	4	33	98	20	20	38
	Koeberliniaceae	1	1	100	3	1	33	1
	Lamiaceae	242	48	20	8,602	290	3	402
	Lardizabalaceae	9	7	78	42	13	31	48
	Lauraceae	69	14	20	3,027	35	1	65
	Lecythidaceae	24	2	8	348	3	1	3
	Lentibulariaceae	3	2	67	321	4	1	4
	Limnanthaceae	2	1	50	18	1	6	1
	Linaceae	14	2	14	241	4	2	4
	Linderniaceae	15	1	7	167	1	1	1
	Loasaceae	22	1	5	329	1	<1	1
	Loganiaceae	15	1	7	364	1	<1	1
	Lythraceae	32	7	22	624	21	3	30
	Magnoliaceae	7	3	43	275	64	23	135
	Malpighiaceae	80	7	9	1,327	10	1	11
	Malvaceae	239	40	17	4,652	108	2	154
	Marcgraviaceae	8	2	25	140	7	5	8
	Melastomataceae	163	11	7	4,134	20	<1	24
	Meliaceae	54	8	15	701	13	2	16
	Meliantaceae	4	2	50	24	4	17	12
	Menispermaceae	68	5	7	460	9	2	17
	Menyanthaceae	6	2	33	55	2	4	2
	Monimiaceae	17	3	18	135	4	3	9
	Montiaceae	12	1	8	135	18	13	31
	Moraceae	39	8	21	1,347	47	3	59
	Moringaceae	1	1	100	13	2	15	2
	Myricaceae	4	1	25	57	4	7	11
	Myrtaceae	143	28	20	6,141	136	2	310
	Nepenthaceae	1	1	100	65	9	14	9
	Nitrariaceae	3	1	33	12	1	8	1
	Nothofagaceae	1	1	100	40	20	50	105
	Nyctaginaceae	32	3	9	482	3	1	3
	Ochnaceae	38	4	11	573	4	1	6
	Olacaceae	27	1	4	152	1	1	1
	Oleaceae	25	13	52	768	143	19	254
	Orobanchaceae	88	3	3	1,812	4	0	6
	Oxalidaceae	6	3	50	643	26	4	46
Paeoniaceae	1	1	100	71	54	76	113	
Papaveraceae	41	22	54	1,035	109	11	149	
Passifloraceae	34	3	9	975	20	2	22	
Paulowniaceae	4	1	25	21	2	10	3	
Pedaliaceae	14	1	7	72	1	1	1	

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		World	Alive at RBGE	% of world alive at RBGE	World	Alive at RBGE	% of world alive at RBGE	Alive at RBGE
Dicotyledons	Pentaphragaceae	11	4	36	458	6	1	11
	Phyllanthaceae	58	5	9	2,204	5	<1	5
	Phymaceae	9	1	11	244	1	<1	1
	Phytolaccaceae	13	5	38	64	7	11	11
	Picramniaceae	3	1	33	50	1	2	1
	Picrodendraceae	24	1	4	97	1	1	1
	Piperaceae	11	3	27	2,717	38	1	52
	Pittosporaceae	9	4	44	191	22	12	52
	Plantaginaceae	117	21	18	1,848	126	7	163
	Platanaceae	1	1	100	10	7	70	11
	Plumbaginaceae	24	7	29	698	27	4	33
	Polemoniaceae	29	3	10	562	51	9	53
	Polygalaceae	28	2	7	1,200	4	<1	4
	Polygonaceae	60	15	25	1,584	64	4	98
	Portulacaceae	10	4	40	267	8	3	9
	Primulaceae	65	21	32	2,970	291	10	573
	Proteaceae	68	15	22	1,360	57	4	121
	Putranjivaceae	3	1	33	217	1	<1	1
	Quillajaceae	1	1	100	2	1	50	4
	Ranunculaceae	59	29	49	2,769	369	13	659
	Resedaceae	6	1	17	62	1	2	1
	Rhamnaceae	53	11	21	915	39	4	63
	Rosaceae	109	67	61	5,325	966	18	2,110
	Rousseaceae	4	1	25	14	1	7	7
	Rubiaceae	568	43	8	14,269	87	1	112
	Rutaceae	161	27	17	1,849	55	3	89
	Sabiaceae	3	1	33	128	4	3	8
	Salicaceae	55	8	15	1,386	122	9	286
	Santalaceae	40	1	3	1,030	1	<1	1
	Sapindaceae	141	14	10	1,858	174	9	531
	Sapotaceae	59	7	12	1,395	8	1	15
	Sarraceniaceae	3	3	100	38	26	68	34
	Saururaceae	4	1	25	7	1	14	1
	Saxifragaceae	42	16	38	928	274	30	461
	Schisandraceae	3	3	100	82	18	22	41
	Scrophulariaceae	74	20	27	1,620	157	10	261
	Simaroubaceae	18	1	6	125	3	2	3
	Simmondsiaceae	1	1	100	2	1	50	1
	Solanaceae	98	20	20	2,456	49	2	74
	Stachyuraceae	1	1	100	7	8	100	15
	Staphyleaceae	4	2	50	30	8	27	14
	Stilbaceae	12	2	17	38	3	8	3
	Styracaceae	11	5	45	145	12	8	37
Symplocaceae	2	1	50	219	3	1	3	
Talinaceae	2	1	50	29	1	3	1	
Tapisciaceae	2	1	50	6	1	17	1	
Theaceae	17	7	41	415	88	21	174	
Thymeleaceae	50	5	10	1,007	45	4	71	
Trochodendraceae	2	2	100	2	2	100	16	
Tropaeolaceae	1	1	100	97	10	10	17	
Ulmaceae	8	3	38	67	41	61	56	
Urticaceae	51	9	18	1,540	28	2	32	

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		World	Alive at RBGE	% of world alive at RBGE	World	Alive at RBGE	% of world alive at RBGE	Alive at RBGE
Dicotyledons	Verbenaceae	33	10	30	1,073	16	1	31
	Violaceae	28	4	14	885	23	3	30
	Vitaceae	15	7	47	1,045	54	5	90
	Vivianiaceae	5	1	20	17	2	12	4
	Winteraceae	5	3	60	38	7	18	35
	Zygophyllaceae	26	5	19	226	5	2	5
Monocotyledons	Alismataceae	15	1	7	130	1	1	1
	Alstroemeriaceae	5	3	60	271	17	6	27
	Amaryllidaceae	81	47	58	2,375	510	21	859
	Aponogetonaceae	1	1	100	58	1	2	2
	Araceae	115	41	36	3,458	191	6	337
	Arecaceae	187	41	22	2,625	78	3	117
	Asparagaceae	126	77	61	3,093	476	15	904
	Asteliaceae	4	1	25	39	10	26	24
	Blandfordiaceae	1	1	100	4	1	25	1
	Bromeliaceae	55	24	44	3,404	128	4	162
	Butomaceae	1	1	100	2	1	50	2
	Cannaceae	1	1	100	12	14	100	15
	Colchicaceae	18	5	28	300	52	17	102
	Commelinaceae	41	11	27	766	33	4	36
	Costaceae	7	6	86	145	30	21	41
	Cyclanthaceae	12	2	17	235	2	1	3
	Cyperaceae	102	10	10	6,265	53	1	70
	Dioscoreaceae	6	2	33	666	14	2	20
	Doryanthaceae	1	1	100	2	2	100	5
	Eriocaulaceae	11	1	9	1,254	1	<1	1
	Flagellariaceae	1	1	100	4	2	50	3
	Haemodoraceae	14	2	14	108	3	3	4
	Heliconiaceae	1	1	100	208	5	2	5
	Hydrocharitaceae	16	1	6	147	1	1	1
	Hypoxidaceae	9	5	56	169	14	8	16
	Iridaceae	76	31	41	2,456	482	20	944
	Ixioliriaceae	1	1	100	5	1	20	3
	Juncaceae	6	2	33	581	10	2	16
	Liliaceae	18	15	83	806	286	35	693
	Lowiaceae	1	1	100	18	1	6	1
	Marantaceae	26	9	35	571	32	6	36
	Melanthiaceae	16	9	100	207	57	27	142
	Musaceae	2	3	100	98	28	29	32
	Nartheciaceae	5	1	20	38	1	3	1
	Nymphaeaceae	7	2	29	83	31	37	35
	Orchidaceae	905	140	15	28,348	607	2	965
	Pandanaceae	4	2	50	1,069	9	1	9
	Philesiaceae	2	2	100	2	5	100	24
	Poaceae	716	59	8	11,883	154	1	251
	Pontederiaceae	6	2	33	34	2	6	2
	Restionaceae	47	3	6	485	3	1	5
	Smilacaceae	2	1	50	270	11	4	21
Strelitziaceae	3	3	100	7	5	71	10	
Tecophileaceae	9	4	44	26	7	27	7	
Tofieldiaceae	4	1	25	33	2	6	3	
Typhaceae	2	1	50	69	3	4	5	

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		World	Alive at RBGE	% of world alive at RBGE	World	Alive at RBGE	% of world alive at RBGE	Alive at RBGE
Monocotyledons	Velloziaceae	6	2	33	286	2	1	2
	Xanthorrhoeaceae	34	17	50	1,405	217	15	318
	Xeronemataceae	1	1	100	3	2	67	3
	Zingiberaceae	52	36	69	1,611	302	19	758