

INTRODUCED MARINE ALGAE AND VASCULAR PLANTS IN EUROPEAN AQUATIC ENVIRONMENTS

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Appendix 1. Introduced vascular plants in aquatic environments in the different European areas, including also occasional species. Names in **bold** denote weed species, **bold and underlined** serious weeds (see text). ^a after a species denotes used in aquaria trade, ^c cultivated and ^o as ornamental. ^a or ^{aa}, or ^o or ^{oo} after genus names denote one or several other species in the genus used in the aquaria trade or as ornamentals. Underlined and bold superscripts as above. For areas the international ISO codes are used (capital letters) except for Balt=Estonia, Latvia, Lithuania and Kaliningrad, Ire=Ireland and Northern Ireland, CzS=the Czech Republic and Slovakia, Yug=former Yugoslavia. For the European part of the former Soviet Union the areas follow Flora Europaea. |Az|=the Azores, |Bal|=the Balears, |Co|=Corsica, |Cr|=Crete, |K|=Crimea, |Sa|=Sardinia, |Si|=Sicily, c=central, n=northern, e=eastern, s=south, w=western, Eur=Europe, Afr=Africa, Amer=America, Mediterr= the Mediterranean basin, w-temp=warm temperate, trop=tropical, subtr=subtropical. Habitus: sH=small herb (<0.5 m), tH=tall herb (>0.5 m), sB=small bush (<1 m), tB=tall bush (>1 m), sT=small tree (<10 m), tT=tall tree (>10 m), Aq=aquatic, SAq=semiaquatic (see text), a=annual, b=biennial, p=perennial. Habitat: FW=freshwater, BW=brackish water, SW=seawater. Vectors: Aqu=aquaria trade, Bal=solid ballast, Fo=fodder plant, Les=Lessepsian immigrant, Med=medical plant, Or=ornamentals, Pla=planted for various purposes, Se=seed or grain contaminant, Trsp= with movements of cars, soldiers etc., We=weed, Wo=wool. References are explained at the end.

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
LYCOPODIOPSIDA									
			=X-ceae						
Lycopodiella	cernua	(L.) Pichi Serm.	Lycopodia-	sH, p	along rivers	PT, IT Si	trop & subtr	?	1, 9, 20
EQUISETOPSIDA									
Equisetum	ramossissimum	Desf.	Equiseta-	tH, p	by rivers, by sea	GB	c & s Eur	?	1, 8, 9
PTEROPSIDA									
Marsilea	aegyptica	Willd.	Marsilea-	SAq, p	Ricefields	ES	Afr	We?	1, 6, 7, 9
Nephrolepis	exaltata	(L.) Schott	Nephrolepida-	tH, p	Rocky FW shores	PT	trop	Or	9, 51
Ceratopteris	thalictroidesa	(L.) Brogn.	Parkeria-	Aq, p	Lakes, rivers, warm springs	AT, Yug?, RO	trop & subtr	Aqu/Or	1, 6, 9, 54, 56
Onoclea	sensibilis ^o	L.	Woodsia-	tH, p	by streams, fen	SE, DK, DE, GB	c & e Asia, e N.Amer	Or	1, 8, 9, 14
Phanerophlebia	falcata ^o	(L. fil.) Copel	Dryopterida-	tH, p	Maritime rocks	NL, BE, GB, Ire, FR, PT Az	e Asia	Or	1, 8
Blechnum ^{oo}	cordatum ^o	(Desv.) Hieron	Blechna-	tH, p	by streams	GB, swlre	s S.Amer	Or	8
Salvinia ^a	auriculata	Aubl.	Salvinia-	Aq, p	FW	(SE), (FI), (AT)	trop	Aqu/Or	9, 14, 18, 56
Salvinia	natansa	(L.) All.	Salvinia-	Aq, p	FW	(SE)	s & c Eur, Afr	Aqu?	1, 6, 14, 9
Azolla	filiculoidesa	Lam.	Azolla-	Aq, a- p	FW	(NO), (SE), (DK), DE, NL, BE, GB, Ire, FR, PT, ES, IT, (AT), CzS, (Yug), GR, HU, RO, BG	trop & subtr Amer	Aqu	1, 6, 14, 9, 18, 27
"	"					(SE), (DK), DE, NL, FR, PT, ES, IT, CzS,	C & N.Amer	Aqu/Pla?	1, 6, 9, 14, 27
Azolla	mexicana	C. Presl	Azolla-	Aq, a-p	FW	Yug, GR, HU, RO, BG, Ru w (s Europe)	S.Afr, se Asia, AU	Aq?	6, 9, 55
"	"	R. Brown	Azolla-	Aq, a-p	FW				
PINOPSIDA									
Taxodium	distichum ^o	(L.) L.C.M.Richard	Taxodia-	tT, p	flooded soils	DE, GB, FR, IT, RO	se USA	Pla	1
MAGNOLIOPSIDA									
Cabomba ^a	aquatica ^{a,o}	Aublet	Cabomba-	Aq, p	FW	RO	C & S.Amer	Or	7, 56

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Cabomba	australis ^{no}	Spegazzini	Cabomba-	Aq, p	FW	RO	S.Amer	Or	7
Cabomba	caroliniana^{a,o}	A.Gray	Cabomba-	Aq, p	FW	sSE, RO	trop & subtr Amer	Or	7, 9, 31, 56, 59, 63
Nuphar^a	advena^o	(Aiton) Aiton f.	Nymphaea-	Aq, p	FW	sGB	e N.Amer	Or	1, 8, 9
Nymphaea^{a,o}	caerulea^o	Savigny	Nymphaea-	Aq, p	FW	HU	Afr	Or	7, 9
Nymphaea	lotusa^o	L.	Nymphaea-	Aq, p	FW	HU	Afr	Or	1, 7, 9, 56
Nymphaea	odorata^o	Aiton	Nymphaea-	Aq, p	FW lakes, ponds	GB, w Europe	e N.Amer	Or	7, 63
Nymphaea	rubra ^{a,o}	Roxb. ex Salisb.	Nymphaea-	Aq, p	Shallow FW	HU	India	Or	1, 7, 56
Nymphaea	tuberosa^o	Paine	Nymphaea-	Aq, p	FW lakes, ponds	w Europe	e N.Amer	Or	7, 9
Nelumbo^o	nucifera^o	Gaertner	Nelumbona-	Aq, p	FW	IT, RO, Ru w	s & e Asia, AU	Or	1, 7, 9
Aconitum ^{oo}	vulparia ^o	Reichb.	Ranuncula-	tH, p	by streams	GB	c Eur	Or	1, 8
Clematis ^{oo}	flammula ^o	L.	Ranuncula-	tC, p	Maritime dunes & cliffs	wGB, CzS, HU, Ru K	Mediterr	Or	1, 8
Clematis	tangutica ^o	(Maxim.) Korsh.	Ranuncula-	tC, p	Stony river-banks, sand	GB	China	Or	8
Ranunculus ^{oo}	aconitifol ^{uso}	L.	Ranuncula-	tH, p	by streams	GB	Eur	Or	1, 8
Ranunculus	cymbalaria	Pursh	Ranuncula-	SAq, p	Saltmarshes	NO, SE, FI	n Asia, N.Amer	?	1
Berberis ^{oo}	gagnepainii ^o	C.Schneider	Berberida-	tB, p	River-banks	GB	w China	Or	8
Eschscholzia	californica^o	Cham.	Papavera-	sH, a-p	Maritime dunes & cliffs	(NO), (FI), (SE), sGB, FR, PT, sES	sw N.Amer	Or	1, 8, 9, 16, 29
Saururus	cernua^a	L.	Saurura-	SAq, p	Shallow FW, swamps	nIT	e N.Amer	Aqu?	7, 9, 56
Broussonetia	papyrifera^o	(L.) Vent.	Mora-	tT, p	by rivers	FR, PT, ES, IT, RO	e Asia	Pla	1, 9, 29
Ficus	carica ^o	L.	Mora-	sT, p	by rivers	(NO), (SE), (FI), (DK), GB, PT, CH, AT, CzS, HU, Ru K	sw Asia	Or	1, 8, 14, 33
"	"	"	"	"	"	"	"	"	"
Pilea^{oo}	microphylla^o	(L.) Liebm	Urtica-	sH, a-p	moist banks	Yug, GR	trop Amer	We?	1, 9
Casuarina^o	cunninghamiana^o	Miq	Casuarina-	tT, p	salt-tolerant sand	(PT), (ES)	se AU	Pla	21, 58
Casuarina	stricta^o	Aiton	Casuarina-	sT, p	sand	(PT), (ES)	Tasmania, s AU	Pla	21, 58
Opuntia^o	ammophila^o	Small	Cacta-	tH, p	Maritime dunes and cliffs	ES	s US	Or?	21
Aptenia	cordifolia ^o	(L.fil.) Schwantes	Aizoa-	tH, p	Steep sea-shores	(DK), GB, FR, PT, ES, IT, MT, GR Cr	S.Afr	Or	8, 10, 21, 27, 31
Carpobrotus	acinacifor ^{mis}	(L.) L. Bolus	Aizoa-	tH, p	Coastal cliffs & sand	sGB, FR, PT, ES, IT, MT, GR	S.Afr	Or	1, 8, 10, 27
Carpobrotus	aequilaterus ^o	(Haw.) N.E.Br.	Aizoa-	sH, p	Coastal cliffs	swGB, ES	S.Amer, AU	Or	1, 8
Carpobrotus	chilensis ^o	(Molina) N.E.Br.	Aizoa-	sH, p	Coastal cliffs & sand	GB?, ES	Chile	Or	8, 10, 21, 27
Carpobrotus	edulis^o	(L.) N.E.Br.	Aizoa-	tH, p	Coastal cliffs & sand	GB, Ire, FR, PT, ES, IT, MT, AL, GR	S.Afr	Or	1, 8, 27
Carpobrotus	glaucescens ^o	(Haw.) Schwantes	Aizoa-	tH, p	Coastal cliffs & rocks	sGB, FR	AU	Or	1, 8
Disphyma	crassifolium ^o	(L.) L.Bolus	Aizoa-	tH, p	Coastal cliffs & sand	GB, FR, PT, ES Bal	S.Afr	Or	1, 8, 27
Drosanthemum	candens ^o	(Haw.) Schwantes	Aizoa-	tH, p	Coastal rocks	swGB?, PT	S.Afr	Or	8, 10
Drosanthemum	floribundum ^o	(Haw.) Schwantes	Aizoa-	tH, p	Coastal rocks	sGB, FR	S.Afr	Or	8, 10
Drosanthemum	hispidum ^o	(L.) Schwantes	Aizoa-	sH, p	Coasts	ES, IT	S.Afr	Or	1
Erepsia	heteropetala ^o	(Haw.) Schwantes	Aizoa-	sH, p	Coastal cliffs	swGB	S.Afr	Or	1, 8
Galenia	secunda	Sonder in Harvey & Sonder	Aizoa-	tH, a-b	saline soil	(SE), swES	S.Afr	?	1, 31, 35
Lampranthus	falciformis ^o	(Haw.) N.E.Br.	Aizoa-	sB, p	Coastal cliffs & sand	GB, Ire, FR, PT, ES Bal	S.Afr	Or	1, 8
Lampranthus	glaucus ^o	(L.) N.E.Br.	Aizoa-	sB, p	Maritime shores	(PT)	S.Afr	Or	1, 10
Lampranthus	multiradia ^{tuso}	(Jacq.) N.E.Br.	Aizoa-	sB, p	Maritime shores	PT, ES Bal	S.Afr	Or	10, 21, 27
Lampranthus	roseus ^o	(Willd.) Schwantes	Aizoa-	sB, p	Coastal cliffs	sGB, FR	S.Afr	Or	1, 8
Mesembryanthemum	crystallinum	L.	Aizoa-	sH, a	Coastal sand & saltmarshes	(SE), (DK), PT	w & c Mediterr	Or?	1, 31
Mesembryanthemum	nodiflorum ^o	L.	Aizoa-	sH, a	Coastal sand & saltmarshes	(SE), (FI), FR, PT	Mediterr	Or	1, 10, 31
Oscularia	deltoides ^o	(L.) Schwantes	Aizoa-	sB, p	Coastal rocks	sGB	S.Afr	Or	1, 8
Ruschia	caroli ^o	(L.Bolus) Schwantes	Aizoa-	sB, p	sea cliffs	swGB, swPT	S.Afr	Or	1, 8
Sesuvium	portulacastrum	L.	Aizoa-	sH, a	Sandy beaches, saline soil	PT	trop Afr, Amer	?	1, 9

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Tetragonia	tetragonoides	(Pallas) O. Kuntze	Aizo-	tH, a	Maritime shores	(SE), (FI), (DK), PT, ES, IT	NZ	?	9, 21, 27, 31
Atriplex	halimus	L.	Chenopodia-	sB, p	Maritime sand	sGB	s Eur	Pla	1, 8
Atriplex	semibaccata	R.Br.	Chenopodia-	sH, p	Brackish soil	ES	AU	We?	21
Atriplex	suberecta	Verdoon	Chenopodia-	sH, a-p	Saline and brackish soil	(DK), GB, ES	S.Afr, AU	Wo/We?	8, 21, 31
Bassia	hyssopifolia	(Pallas) O.Kuntze	Chenopodia-	tH, a	Saline soil	(SE), (DK), FR	e & s Eur	Or?	1, 9, 31
Beta	macrocarpa	Guss.	Chenopodia-	sH, a	Saline soil	(SE), (DK), FR	Mediterr	?	1, 31, 35
Chenopodium	botrys	L.	Chenopodia-	sH, a	Sea shores, river-banks	(NO), (SE), (FI), Balt, PL, (DK), DE, BE, (GB), AT, Ru c	c & s Eur	Pla	1, 9, 16, 26, 31
"	"								
Corispermum	intermedium	Scweigger	Chenopodia-	sH, a	Sand dunes	Balt, NL, BE, CzS	s & c Eur	?	1
Salsola	kali	L.	Chenopodia-	sH, a	Maritime sand	CH	Eur	?	1, 9, 10
Suaeda	altissima	(L.) Pall.	Chenopodia-	tH, a	Maritime sand	(SE), (FI), (GB)	s Eur	?	1, 10, 26, 31
Alternanthera^a	nodiflora	R.Br.	Amarantha-	SAq, p	Swamps	ES	Asia, Afr, AU	?	1, 9, 56
Alternanthera	philoxeroides	(Martius) Grisebach	Amarantha-	Aq,	FW	swFR	S.Amer	?	7, 9, 36, 54
Claytonia	perfoliata	Donn ex Willd.	Portulaca-	sH, a	Stream-sides, sand	NO, SE, DK, DE, NL, BE, GB, Ire, FR, PT, CzS	w N.Amer	?	1, 8, 9, 16, 26, 33
Montia	parviflora	(Mocino) E.Greene	Portulaca-	sH, p	River-banks	nGB	w N.Amer	?	8
Mollugo	verticellata	L.	Mollugina-	sH, a	Margin of rivers & swamps	(SE), FR, PT, ES, IT	trop Amer	?	1, 10, 21, 31
Corrigiola^{oo}	litoralis	L.	Caryophyllea-	SAq, a	River-shores, by ponds	NO, SE, FI, DK	Eur	?	1, 9, 16, 15, 17
Gypsophila ^{oo}	scorzonerifolia	Ser. in DC.	Caryophyllea-	tH, p	Saline & sandy soil	DE, CzS	Russia	Or?	1
Illecebrum	verticillatum	L.	Caryophyllea-	SAq, a	Shores	SE	Eur	?	1, 17
Silene^{oo}	conica	L.	Caryophyllea-	sH, a	Maritime sand	SE, PL, DK, CH	w & s Eur	?	1, 9
Stellaria	hebecalix	Fenzl in Rupr.	Caryophyllea-	sH,	River-banks	FI	Siberia	?	1
Aconogonum	alpinum	(All.) Schur.	Polygona-	tH, p	River shingle	NO, SE, FI, DK, GB	Eur	Or	1, 8, 14
Fallopia	japonica	(Houtt) Ronse Decr.	Polygona-	tH, p	Sea-shores, by river	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire, FR	e Asia	Or	1, 8, 9, 14, 45
"	"								
Fallopia	sachalinensis	(F.Schmidt) Ronse Decr.	Polygona-	tH, p	by rivers & lakes	PT, ES, IT, CH, AT, CzS, Yug, HU, RO, BG, Ru c IS, NO, SE, FI, Balt, PL, DK, DE, Japan		Or	1, 8, 9, 14, 62
"	"								
Persicaria	pennsylvanica	(L.) M.Gómez	Polygona-	tH, a	saltmarsh dykes	NO, SE, FI, DK, sGB	N.Amer	?	1, 8, 9, 14
Persicaria	sagittata	(L.) Gross ex Nakai	Polygona-	tH, a	by streams	Ire	e Asia, N.Amer	?	1, 8, 9
Polygonum	achoreum	S.F.Blake	Polygona-	sH, a	Saline marshes	(SE), (FI), (DK)	temp N.Amer	?	9, 14
Rheum	x rhabarba ^{numc}	L.	Polygona-	tH, p	Sea-shores	(IS), NO, (SE), (FI), (DK), GB, Ire	Hybrid	Pla	1, 8, 14
Rumex	alpinus	L.	Polygona-	tH, p	by streams	NO, SE, FI, GB	c, e, s Eur	Pla	1, 8, 9, 14, 26
Rumex	confertus	Willd.	Polygona-	tH, p	BW reeds, river-banks	NO, SE, FI, GB	e Eur	Trsp	1, 8, 14
Rumex	cuneifolius	Campd.	Polygona-	tH, p	Sand-dunes	(DK), GB, PT	S.Amer	?	1, 8, 9, 14
Rumex	obtusifolius	L.	Polygona-	tH, p	Sea shores, river-banks	IS, FO, FI	Eur, Asia	?	1, 9, 14
Rumex	palustris	Sm.	Polygona-	SAq, p	River-sides	(NO), (FI)	Eur	?	1, 14
Rumex	triangulivalvis	(Danser) Rech. f.	Polygona-	SAq, p	River-banks	IS, NO, SE, FI, DK, DE, GB, Ire, CzS	N.Amer	?	1, 7, 8, 14
Rumex	ucranicus	Besser ex Sprengel	Polygona-	SAq, p	Riversides	Ru n	Russia	?	1
Ceratostigma	plumbaginoides ^o	Bunge	Plumbagina-	sB, p	Saline areas	FR, IT	China	Or?	3
Limonium ^{oo}	hyblaenum ^o	Brullo	Plumbagina-	sH, p	Coastal cliffs	seGB	Italy	Or	3, 8
Bergia	capensis	L.	Elatina-	Aq, a-p	Shallow pools, shores, rice-fields	PT, ES	trop & subtr Afr, Asia	We?	2, 7, 9
Elatine ^a	ambigua	Wight in Hooker	Elatina-	SAq	FW shores	FR, IT, CzS, HU, RO, Ru s, w	s & e Asia	?	2, 7, 28, 55
Elatine	hungarica	Moesz	Elatina-	SAq, a	FW pools, salty mud	PT	se Eur	?	2, 7
Hypericum ^{oo}	canadense	L.	Clusia-	SAq, a-p	Swamps, lake sides	NL, Ire	N.Amer	Se?	2, 7
Hypericum	gentionoides	(L.) Britton	Clusia-	sH, a	damp sandy	FR	N.Amer	?	2, 7
Hypericum	gymnanthum	Engelm. & A.Gray	Clusia-	sH, p	Peat bog	PL	N.Amer	Se?	2, 7

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Hypericum	hircinum ^o	L.	Clusia-	tB, p	Besides rivers	GB, Ire, FR, PT, ES, CH	Mediterr	Or?	21
Hypericum	majus	(A.Gray) Britton	Clusia-	SAq, a-	Margins of ponds & streams	s&eDE, eFR	N.Amer	Se?	2, 7
Hypericum	mutilum	L.	Clusia-	SAq	Marshes, ponds	PL, DE, FR, (IT)	N.Amer	Se?	2, 7, 28
Hypericum	pseudohenryi ^o	N.Robson	Clusia-	tB, p	Riverside	GB	China	Or?	8
Abutilon^{oo}	theophrasti	Medik.	Malva-	tH, a	River-banks	NO, GB, FR, cPT, ES, MT, CzS	s Asia	Wo/Se	2, 8, 9, 16, 22
Sarracenia	flava ^o	L.	Sarracenia-	SAq, p	Mires	sGB	se N.Amer	Or?	8
Sarracenia	purpurea ^o	L.	Sarracenia-	SAq, p	Bogs, lake margins	SE, DK, DE, GB, Ire, wCH	ne N.Amer	Pla	1, 8, 12
Drosera	binata	Labill.	Drosera-	SAq, p	Bogs	sGB	AU, NZ	Pla	8
Drosera	capensis ^o	L.	Drosera-	SAq, p	Bogs	sGB	S.Afr	Pla	8
Tamarix	africana	Poiret	Tamarica-	tB, p	Marshes, river-banks, sea shores	(sGB)	Mediterr	Pla	2
Tamarix	gallica^o	L.	Tamarica-	tB, p	Sea shores	sGB	sw Eur	Pla	2, 9
Tamarix	parviflora ^o	DC.	Tamarica-	tB, p	River-banks	FR Colj, ES, IT	Balkan	Pla	2
Frankenya	pulverulenta	L.	Frankenia-	sH, a	Maritime sand, saline soil	NO	Mediterr	Bal?	2, 16
Populus^{oo}	alba^o	L.	Salica-	tT, p	Shores, coastal dunes	NO, SE, FI, PL, DK, NL, BE, GB, Ire, CH	Eur	Pla	1, 8, 9, 14, 62
Populus	balsamifera^o	L.	Salica-	tT, p	Borders of swamps & rivers	NO, SE, FI, PL, DK, DE, NL, GB, Ire, CH, HU, RO	N.Amer	Pla	1, 8, 9, 14
Populus	euphratica ^o	Olivier	Salica-	tT, p	Saline soils	ES	Afr, Asia	Pla	1
Populus^{oo}	nigra^o	L.	Salica-	tT, p	beside lakes & rivers	NO, SE, FI, Balt, DK, BE, PT	Eur	Pla	1, 9
Salix^{oo}	alba^o	L.	Salica-	tT, p	FW shores	NO, SE, FI, DK, Ire	Eur	Pla	1, 9, 14
Salix	daphnoides ^o	Villars	Salica-	tB, p	River banks	GB	Eur	Pla	1, 8, 26
Salix	dasyclados ^o	Wimm.	Salica-	tB, p	FW shores	(IS), (NO), (SE), (FI), PL, (DK), DE, NL, BE, AT, CzS, Ru n,c,e	e Eur	Pla	1, 14
"	"	"	"	"	"	"	"	"	"
Salix	elaegnos ^o	Scop.	Salica-	sT, p	Margin of swamp	NO, SE, DK, NL, sGB	c & s Eur, nw Afr	Pla	1, 14
Salix	eriocephala ^o	Michaux	Salica-	tB, p	Wet bogs	SE, GB	N.Amer	Pla	8, 14
Salix	fragilis^o	L.	Salica-	tT, p	FW shores	NO, SE, FI, DK, Ire, PT, Ru n	Eur	Pla	1, 9, 14
Salix	purpurea ^o	L.	Salica-	tB, p	FW shores	NO, SE, FI, DK	Eur	Pla	1, 14
Salix	udensis ^o	Trautv. & Meyer	Salica-	sT, p	bog	nGB	e Asia	Pla	8,
Salix	viminalis ^o	L.	Salica-	sT, p	Shores FW & sea, dunes	NO, SE, FI, DK, GB, Ire, PT, ES, IT	c & e Eur	Pla	1, 14
Barbarea	intermedia	Boreau	Brassica-	tH, b	by streams	NO, SE, FI, PL, DK, NL, BE, GB, Ire, CH, AT	s & c Eur	Se	1, 8, 11, 15
Barbarea	stricta	Andrz. in Besser	Brassica-	tH, b	shores	BE, GB, Ire, FR, ES	c, e & n Eur	?	1, 8, 28
Brassica	oleraceae ^o	L.	Brassica-	tH, b-p	Maritime cliffs	NO, SE, FI, DE, CzS, Yug, BG	s & w Eur	Pla	1, 16
Cardamine ^a	raphanifolia	Pourret	Brassica-	SAq, p	Stream-sides	GB	s Eur	?	1, 55
Isatis	tinctoriac	L.	Brassica-	tH, b-p	FW & BW shores	NO, SE, FI, DE, DK, GB, Ire, AT, Rule.w	Eur	Pla	1, 8, 9, 11, 15, 62
Lobularia	maritima ^o	(L.) Desv.	Brassica-	sH, p	Coastal sand	NO, SE, FI, PL, DK, NL, BE, GB, Ire, CzS, GR, HU, RO, Ru K	s Eur	Or	1, 8, 16
"	"	"	"	"	"	"	"	"	"
Malcolmia	flexuosa	(Sm.) Sm. in Sibth. & Sm.	Brassica-	sH, a	Sea-shores & cliffs	FR, PT, ES, IT	s Eur	?	1, 11
Malcolmia	littorea	(L.) R.Br.	Brassica-	sH, a	Sea-shores	GB	sw Eur	Se	1, 26
Malcolmia	maritima ^o	(L.) R.Br. in Aiton	Brassica-	sH, a	Maritime sands	(NO), GB, FR, (PT), ES, (MT)	s Eur	Or	1, 8, 11, 28, 33
Rorippa^a	austriaca	(Crantz) Besser	Brassica-	SAq, p	by rivers	NO, SE, FI, Balt, DK, NL, BE, GB, Ire, FR, CH, AT, IT	e & c Eur	?	1, 8, 9, 11, 15, 62
"	"	"	"	"	"	"	"	"	"
Corema	album	(L.) D.Don in Sweet	Empetra-	sB, p	Maritime sand	FR	w Medit	?	3
Erica ^{oo}	terminalis ^o	Salisb.	Erica-	sB, p	Sand-dunes	nIre	w Medit	Or?	3, 8
Erica	tetralix ^o	L.	Erica-	sB, p	Bogs	CH, CzS	w & n Eur	Or?	3

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Gaultheria ^{oo}	shallon ^v	Pursh	Erica	tB, p	peat	GB, FR	w N.Amer	Or, Pla	3, 9
Kalmia ^o	angustifolia ^o	L.	Erica	sB, p	Bogs	DE, nwGB	e N.Amer	Or	3, 9
Kalmia	polifolia ^o	Wangenh.	Erica	sB, p	Bog	seGB	N.Amer	Or	3, 9
Rhododendron ^{oo}	luteum ^o	Sweet	Erica	tB, p	wet peat	GB	e Eur, w Asia	Or	3, 8
Rhododendron	ponticum ^o	L.	Erica	tB, p	by streams	BE, GB, Ire, FR	se Eur, sw Asia	Or	3, 8, 45
Vaccinium ^{oo}	macrocarpon ^c	Aiton	Erica	sB, p	swamps, dunes, salt-marshes	DE, NL, GB, CH	e N.Amer	Pla	3, 8
Hottonia ^a	palustris ^{a,oo}	L.	Primula-	Aq, p	FW	Ire	Eur	Or?	3, 8, 9, 56
Lysimachia ^{a,oo}	punctata ^a	L.	Primula-	SAq, p	Marshes, riverbanks	NO, SE, FI, Balt, DK, DE, NL, BE, GB, Ire, FR, CH	se Eur	Or?	3, 7, 8, 9
Lysimachia	terrestris ^o	(L.) Britton	Primula-	tH, p	Lake-margins	nwGB	N.Amer	Or	3, 8
Primula ^{oo}	florindae ^o	Kingdon-Ward	Primula-	sH, p	by ponds and streams	w&cGB	Tibet	Or	8
Pittosporum	crassifolium ^o	Sol.ex Putterl.	Pittospora-	tB, p	by streams, by sea	sGB	NZ	Pla	1, 8, 11
Pittosporum	tenuifolium ^o	Gaertner	Pittospora-	tB, p	by sea	swGB	NZ	Pla	8
Periploca	graeca	L.	Asclepiada-	tB, p	River-banks	FR, ES	se Eur	?	3
Escallonia	macrantha ^o	Hook. & Am.	Escallonia-	tB, p	Sand near sea	sGB, wIre, FR, ES	Chile	Pla	1, 8, 12
Crassula	aquatica	(L.) Schönl.	Crassula-	SAq, a-	FW	PT	n & c Eur	?	1
Crassula	helmsia	(Kirk) Cockayne	Crassula-	Aq, p	Ponds	DE, NL, BE, GB, Ire, FR	AU & NZ	Aqu/Or	1, 8, 12, 45, 55
Crassula	peduncularis	(Sm.) Meigen	Crassula-	SAq, a	Ricefields	PT	S.Amer	We?	1
Sedum ^{oo}	litoreum	Guss	Crassula-	sH, a	Maritime shores	FR	e & c Mediterr	Or?	1
Sedum	praealtum ^o	A.DC in DC. & A.DC.	Crassula-	sB, p	Coastal rocks	seGB, seFR, nwIT	Mexico	Or?	1
Astilbe ^{oo}	rivularis ^o	Buch.-Ham. ex D.Don	Crassula-	tH, p	by streams	GB	c Asia	Or	8
Rodgersia ^{oo}	podophylla ^o	A.Gray	Saxifraga-	tH, p	by ponds & rivers	NO, nGB	Korea & Japan	Or	8, 33
Saxifraga ^{oo}	rotundifolia ^o	L.	Saxifraga-	sH, p	by streams	(NO), BE, nGB	Eur	Or	1, 8, 33
Acaena ^{oo}	sanguisorbae	Vahl.	Rosa-	tH, p	Moor	(GB)	NZ	?	9, 26
Aronia	melanocarpa	(Michaux) Elliot	Rosa-	tB, p	Boggy area	swGB	e N.Amer	?	8
Aruncus	dioicus ^o	(Walter) Fern.	Rosa-	tH, p	by water	NO, SE, FI, nGB	Eur	Or	2, 8, 16
Geum ^{oo}	aleppicum ^o	Jacq.	Rosa-	tH, p	along rivers	NO, SE, FI	e Eur, Asia, N.Amer	Or	2, 9, 16
Geum	macrophyllum ^o	Willd.	Rosa-	tH, p	along streams	NO, SE, FI, DE, nGB, CzS, Ru cl	N.Amer, ne Asia	Or	2, 8, 9, 16
Physocarpus	opulifolius	(L.) Maxim.	Rosa-	tB, p	by streams	NO, SE, FI, NL, GB, FR, ES, AT, CzS, Yug	e N.Amer	Or	2, 8, 16, 23
Potentilla ^{oo}	rivalis ^o	Nutt. ex Torrey & A.Gray	Rosa-	sH, a-b	by pond	GB	N.Amer	?	8
Rosa ^{oo}	luciae ^o	Franchet & Rochebr.	Rosa-	tB, p	Beaches	sGB	e Asia	Or	8
Rosa	nitida ^o	Willd.	Rosa-	tB, p	Margins of bogs, swamps	GB	e N.Amer	Or	8,
Rosa	rugosa ^o	Thunb. ex Murray	Rosa-	tB, p	Dunes, sandy shores	NO, SE, FI, PL, DK, DE, NL, GB, Ire, FR, ES?	e Asia	Or	2, 8, 15, 23
"	"					AT, HU, RO			
Rosa	virginiana ^o	Herrm.	Rosa-	tB, p	Swamp-margins, salt-marshes	GB, FR, AT	e N.Amer	Or	2, 8
Sanguisorba	canadensis ^o	L.	Rosa-	tH, p	Bogs, swamps	GB	N.Amer	Or	8, 9
Spiraea ^{oo}	alba ^o	Duroi	Rosa-	tB, p	Shores of bogs, swamps	SE, FI, DK, DE, GB, Ire, FR, AT, HU	e N.Amer	Or	2, 8, 9, 15
Spiraea	salicifolia ^o	L.	Rosa-	tB, p	River-banks, by streams	NO, SE, FI, DK, DE, NL, GB, Ire, FR, ES, IT	c Eur	Or	2, 8, 15, 23
"	"					CH, Yug			
Spiraea	tomentosa ^o	L.	Rosa-	tB, p	Bogs	SE, DK DE, GB, CzS	e N.Amer	Or	2, 8, 9, 15
Acacia ^{oo}	cyanophylla ^o	Lindley	Mimosaa-	sT, p	Coastal dunes	FR, PT, ES, IT, GR	w AU	Or	2, 9
Acacia	cyclops ^o	A.Cunn. ex G.Don fil	Mimosaa-	tB, p	Maritime cliffs & dunes	PT, ES	w AU	Or	2, 9, 24
Acacia	dealbata ^o	Link	Mimosaa-	tT, p	Maritime dunes, by streams	FR, PT, ES, IT, Yug, RO	se AU & Tasmania	Or	2, 9, 24

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Acacia	floribunda ^o	Schlecht	Mimosa-	sT, p	along rivers	GB, FR, PT, ES, IT, Yug, RO	se AU	Or	2
Acacia	karoo	Hayne	Mimosa-	sT, p	Maritime dunes	FR Co , PT, ES, IT Si	S.Afr	Or?	2, 9, 24, 29
Acacia	longifolia ^o	(Andrews) Willd.	Mimosa-	sT, p	Maritime dunes	FR, PT, ES, IT	New South Wales	Pla	2, 9, 29
Acacia	sophorae ^o	(Labill.) R.Br.	Mimosa-	tB, p	Maritime dunes	PT	se AU & Tasmania	Or	24
Mimosa	pigrao	L.	Mimosa-	SAq, p	Ricefields	IT	trop Afr & Amer	We?	7, 9
Gleditsia	triacanthos ^o	L.	Caesalpina-	tT, p	Sandy river-banks	DE, FR, PT, ES, IT, AT, CzS, GR Cr , RO, BG	e N & C.Amer	Or	2, 9, 24, 29
Amorpha	fruticosao	L.	Faba-	tB, p	Stream & riverbanks	FR, CH, AT, CzS, IT, Yug, AL, RO, BG	c & e N.Amer	Or	2, 62
Apios	americana ^f	Medicus	Faba-	tH, p	along rivers	DE, FR, IT	c, s & e N.Amer	Pla	2, 9
Astragalus	arenarius	L.	Faba-	sH, p	sandy shores	nSE, FI, DE	n & nc Eur	Bal	2, 15, 17
Lotus	pedunculatus	Cav.	Faba-	sH, p	Marshes, pond sides	FO, NO, nSE, FI, HU	w, c & s Eur	?	2, 15, 17
Lupinus	arboreuso	Sims	Faba-	tB, p	Maritime shingle & sand	GB, Ire, FR	California	Or?	2, 8, 9, 29, 62
Lupinus	nootkatensis ^o	Donn ex Sims	Faba-	tH, p	Riverside shingle, moor	IS, NO, SE, nGB, nwlre	nw N.Amer, ne Asia	Or	2, 8
Lupinus	polyphyllus ^o	Lindley	Faba-	tH, p	by rivers	NO, SE, FI, PL, DK, DE, NL, nGB, FR, ES	w N.Amer	Or	2, 8, 24, 29
"	"	"	"	"	"	CH, CzS, Yug, HU, RO, (BG), Ru c	"	"	"
Medicago	arabica	(L.) Hudson	Faba-	sH, a	Sea shores	NO, SE, FI, DK, Ire, CH, CzS	s Eur	?	2, 9, 16, 30
Medicago	littoralis	Rhode ex Loisel.	Faba-	sH, a	Sea shores	(GB)	Mediterr	Bal?	2, 26
Medicago	marina	L.	Faba-	sH, p	Sea shores	(wGB)	Mediterr	Bal?	2, 26
Ononis	mitissima	L.	Faba-	sH, a	Maritime sand	(sGB)	Mediterr	Se	2, 8, 26
Ononis	natrix	L.	Faba-	sB, p	Sandy shores	(GB)	Mediterr	Bal	2, 8, 26
Tetragonolobus	maritimus	(L.) Roth	Faba-	sH, p	Sea shores	wGB	Eur	?	2
Trifolium	angulatum	Waldst. & Kit	Faba-	sH, a	damp & saline soil	FR	ec Eur	?	2
Trifolium	resuspinatum	L.	Faba-	SAq, a	Reeds by streams	DE, NL, BE, GB, CH, AT, CzS, HU	s Eur	Fo	2, 7, 9
Trigonella	laciniata	L.	Faba-	sH, a	Marshes	(sGB)	e Mediterr	Se	9, 26
Trigonella	maritima	Delile	Faba-	sH, a	Sea shores	(eGB)	Mediterr	Se	2, 26
Hippophae	rharnoides ^o	L.	Elaeagna-	tB, p	FW-BW shores	Ire, Ru n,c,e	Eur	Pla	2
Haloragis	micrantha	(Thunb.) R.Br	Haloraga-	Aq, p	Bog	GB, Ire	se Asia, AU	?	8, 54
Myriophyllum	aquaticuma	(Vell.Conc.) Verdc.	Haloraga-	Aq, p	FW rivers, canals, ricefields	GB, swFR & Co , PT, ES	trop & subtr S.Amer	Aqu, Or	2, 7, 8, 9, 25, 38, 55
Myriophyllum	heterophyllum	Michaux	Haloraga-	Aq, p	FW	DE, GB, ES, CH, seAT	e N.Amer	Aqu/Or?	2, 7, 9, 25, 60
Myriophyllum	verrucosum	Lindley	Haloraga-	Aq, p	FW (BW), mud	GB	AU	Wo	7, 8, 9
Gunnera	manicata ^o	Linden ex Andre	Gunnera-	tH, p	by lakes	GB	s Brazil	Pla	8
Gunnera	tinctoria ^o	(Molina) Mirbel	Gunnera-	tH, p	by lakes	GB, Ire, FR, PT Az	w S.Amer	Pla	2, 8
Ammannia ^a	auriculata	Willd.	Lythra-	SAq, a	by streams, ricefields	nwlT, Ru s	trop Amer	We?	2, 7, 9
Ammannia	baccifera	L.	Lythra-	SAq, a	Ricefields	eES, IT, Yug, HU, RO, BG, Ru s	Afr, Asia	We?	2, 7, 9, 25
Ammannia	coccinea	Rottb.	Lythra-	SAq, a	Ricefields, by rivers, marshes	FR, PT, ES, IT	US-Brazil	We?	2, 7, 9, 25, 29
Ammannia	verticillata	(Ard.) Lam.	Lythra-	SAq, a	Ricefields, marshes	(ES), IT, Yug, AL, HU, RO, (BG), Ru s	sw Asia	We?	2, 7, 29
Lythrum ^o	hyssopifolia	L.	Lythra-	SAq, p	seasonally wet mud	NO, SE, FI	Eur	We?	2, 7, 9, 16
Lythrum	juncum	Banks & Solander	Lythra-	SAq, a	seasonally wet mud	DK, GB	Mediterr	Se	2, 7, 8, 9, 30
Lythrum	virgatum	L.	Lythra-	SAq, p	River-shores, marshes	NO, DE, FR	se, e & ec Eur	Or	2, 7, 33, 63
Rotala ^a	densiflora	(Roth) Koehne	Lythra-	SAq, a	Ricefields	IT	se Asia, AU	We?	7, 9, 29, 56
Rotala	filiformis	(Bellardi) Hiern	Lythra-	Aq, a	Ricefields	nIT	c & s Afr	We?	2, 7
Rotala	indica	(Willd.) Koehne	Lythra-	SAq, a	Shallow FW, rice-fields	cPT, nIT, Ru s	Japan	We?	2, 7, 9, 25

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Rotala	ramosior	(L.) Koehne	Lythra-	SAq, a	Shallow pools, ricefields	IT	Amer	We?	7, 9
Eucalyptus	botryoides ^c	Sm.	Myrta-	tT, p	by streams	PT, ES, IT	se AU	Pla	2
Eucalyptus	camaldulen ^{sisc}	Dehnh	Myrta-	tT, p	along rivers	FR, PT, ES, IT, GR	se AU	Pla	2
Eucalyptus	gomphocephalus ^c	DC.	Myrta-	tT, p	Sand dunes	ES, IT	w AU	Pla	2, 57
Eucalyptus	resinifer ^c	Sm. in White	Myrta-	tT, p	Sandy coastal area	FR, PT, ES, IT	e AU	Pla	2, 57
Eucalyptus	robustus ^o	Sm.	Myrta-	tT, p	Swampy, often subsaline	FR, PT, ES, IT	e AU	Pla	2, 57
Eucalyptus	rudis ^c	Endl. in Endl. et al.	Myrta-	tT, p	wet areas	IT	w AU	Pla	2, 57
Eucalyptus	viminalis ^c	Labill.	Myrta-	tT, p	by rivers	Ire, FR, PT, ES, IT	w AU	Pla	2, 57
Epilobium	adenocaulon	Hauskn.	Onagra-	tH, p	by rivers	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire, FR, CzS, Ru w,n,c]	N.Amer	We?	2, 45
"	"	"	"	"	"	"	"	"	"
Epilobium	brunnescens	(Cock.) Raven & Engelhorn	Onagra-	SAq, p	Springs	NO, GB, Ire	NZ	?	2, 7, 8, 33
Epilobium	ciliatum	Raf.	Onagra-	tH, p	by rivers, shores	NO, SE, FI, DK, FR	N.Amer	?	2, 16, 29
Ludwigia	alternifolia ^a	L.	Onagra-	SAq, p	Shores of lakes & rivers	AT, HU	e N.Amer	Aqu?	7, 56
Ludwigia	natans ^a	Elliot	Onagra-	SAq, p	Lakes, rivers, canals	(DE), eES	N & C.Amer.	Aqu?	25, 47, 48
Ludwigia	peplodes	(Kunth) P.H.Raven	Onagra-	Aq, p	Lakes, rivers	swFR, neES, HU	N & S.Amer	Aqu?	2, 7, 9, 55
Ludwigia	uruguayensis	(Camb.) Hara	Onagra-	SAq, p	River-shores, ricefields	seGB, sFR, neES	N & S.Amer	Aqu?/We?	2, 7, 9, 46
Oenothera	affinis	Camb. in St-Hil.	Onagra-	tH	Coastal sand	PT, (ES)	temp S.Amer	?	2, 25, 29
Oenothera	cambrica	Rostanski	Onagra-	tH, a-b	Sand dunes	GB	N.Amer	?	8
Oenothera	fallax	Renner	Onagra-	tH, a-b	Sand dunes	GB	?	?	8
Oenothera	glazioviana ^f	Micheli e C.Martius	Onagra-	tH, a-b	Sand dunes	GB, Ire, FR, PT, ES, IT	N.Amer	Pla	8, 9, 25, 26, 29
Oenothera	rosea	L'Hér. ex Aiton	Onagra-	tH, p	Marshes, stream banks	GB, FR, PT, ES, IT	w-temp N & S.Amer	?	2, 8, 9, 25
Oenothera	stricta	Ledeb. ex Link	Onagra-	tH, a-b	Coastal sand	DE, GB, FR, PT, ES, IT, CH, Ru c]	n Chile	?	2, 8, 9, 25
Hakea	salicifolia ^c	(Vent.) B.L.Burtt	Protea-	tB, p	Coastal sand, by river	PT	e AU, Tasmania	Pla	2, 25
Griselinia	littoralis ^o	(Raoul) Raoul	Coma -	tB, p	Maritime rocks	GB	NZ	Pla	8
Euonymus	japonicus ^o	L. fil.	Celastra-	tB, p	by sea	GB, FR, ES, IT, Yug, BG	Japan	Pla	2, 8
Euphorbia	polygonifolia	L.	Euphorbia-	sH, a	Sea-shores	sFR, nES	e N.Amer	?	2
Erodium	laciniatum	(Cav.) Willd.	Gerania-	sH, a-b	Maritime sand	FR	Mediterr	?	2
Tribulus	terrestris	L.	Zygophylla-	sH, a	Sandy shores	(GB)	Mediterr	Bal	2, 9, 26
Limnanthes	douglasii ^o	R.Br.	Limnantha-	sH, a	by lakes	GB	California	Or	8
Impatiens	capensis ^o	Meerb.	Balsamina-	tH, a	River banks, by canals	FI, GB, FR	N.Amer	Or	2, 7, 9, 15
Impatiens	glandulifera	Royle	Balsamina-	tH, a	River banks	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire, FR, IT, CH, AT, CzS, Yug, HU, RO, Ru c,w]	Himalaya	Or	2, 45
"	"	"	"	"	"	"	"	"	"
Impatiens	parviflora ^o	DC.	Balsamina-	tH, a	River banks	NO?, SE, FI, PL, DK, DE, BE, GB, FR, IT, CH, AT, (Yug), HU, RO, Ru c,w]	c Asia	Or	2, 27
"	"	"	"	"	"	"	"	"	"
Angelica	archangelica ^{c,o}	L.	Api-	tH, p	Riverbanks, FW-SW shores	BE, GB, FR, IT, CH, AT, Yug, HU, RO, BG	n & e Eur	Pla	2, 8, 9
"	"	"	"	"	"	"	"	"	"
Apium	graveolens ^c	L.	Api-	tH, b	Saltmarshes	NO, SE, FI, CH, CzS, HU	Eur	Pla	2
Heracleum	mantegazzianum	Sommier & Levier	Api-	tH, b-p	Riversides	NO, SE, FI, DK, DE, NL, GB, Ire, FR, IT, CH, AT, CzS, HU, Ru c]	sw Asia	Or	2, 8, 15
"	"	"	"	"	"	"	"	"	"
Eryngium	pandanifolium	Chamiso & Schlechtendal	Api-	SAq, p	River-banks, by streams	cPT	trop S.Amer	?	2, 7, 9
Hydrocotyle	bonariensis	Commerson ex Lam.	Api-	SAq, p	Brackish dune-slacks	FR, PT, ES, IT	temp S.Amer	?	2, 7, 9
Hydrocotyle	ranunculoides ^{a,o}	L.fil.	Api-	Aq, p	FW ponds, pools, stream-sides	GB, ES, IT	N.Amer	Or/Aq?	2, 7, 9, 40, 54
Hydrocotyle	sibthorpioides ^a	Lam.	Api-	SAq, p	Marshes	IT	trop	?	2, 9
Hydrocotyle	verticillata ^a	Thunb.	Api-	SAq, p	Swamps, bogs	GB, AL	trop	?	2, 9

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Lilaeopsis ^{aa}	attenuata	(Hooke r& Arnott) Fernald	Apia-	Aq, p	FW, marshes	PT	e wtemp N & S.Am	?	2, 7
Peucedanum	ostruthium ^c	(L.) Koch	Apia-	SAq, p	Riversides	NO, SE, DK, BE, GB, Ire, Ru c	c & s Eur	Pla	2, 8
Gentiana ^{oo}	aclepiadea ^o	L.	Gentiana-	sH, p	by streams	sGB	c Eur	Or	3, 8
Datura	stramonium^o	L.	Solana-	tH, a	Sea-shores	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire, FR, PT, ES, IT, CH, AT, CzS, Yug, AL, GR, HU, RO, BG, Ru	America	Se/Wo/Or	3, 8, 9, 15
"	"								
"	"								
Solanum^{oo,cc}	laciniatum^c	Aiton	Solana-	tB, p	Maritime sand	GB	AU, NZ	Pla	3, 8, 9
Solanum	mauritianum	Scop.	Solana-	tB, p	by rivers	FR, PT	c Afr	?	3, 9
Calystegia	pulchra ^o	Brummit & Heywood	Convolvula-	tH, p	FW-BW shores	SE, PL, DK, DE, NL, BE, GB, Ire, FR, AT, CzS	ne Asia?	Or	3, 15
Dichondra ^o	micrantha	Urban	Convolvula-	sH, p	sand-dunes	GB, PT Az , IT	e Asia	?	3, 8
Nymphoides^{aa}	peltata^o	(S.G.Gmelin) O.Kuntze	Menyanta-	Aq, p	FW, (BW)	NO, SE, DK, GB, CH	Eur	Or	3, 7, 9, 17, 33, 63
Phacelia^o	tanacetifo^{liao}	Benth.	Hydrophylla-	tH, a	River-banks	NO, SE, FI, Balt, PL, DK, NL, BE, GB, FR, PT, (IT), CH, AT, CzS, Yug, HU, RO, BG, Ru w,c,e	Calif	Or	3, 8, 9, 26, 28
"	"								
Anchusa ^{oo}	undulata	L.	Boragina-	sH, b-p	Sea-shores	(GB)	Mediterr	Se	3, 26
Heliotropium	curassavicum	L.	Boragina-	sH, p	Saline sand near sea	FR, PT, ES, IT, GR Cr , RO	N & S.Amer	?	3, 9, 27
Symphytum ^{oo}	bulbosum	C.Schimper	Boragina-	sH, p	by streams	DE, GB	s Eur	?	3, 8
Lycopus	exaltatus	L.fil.	Lamia-	SAq, p	River-banks	FR	se Eur, Asia	?	3, 7
Mentha	aquatica^o	L.	Lamia-	Aq, p	Shores	IS	Eur	Pla	3, 7, 9
Mentha	spicata^c	L.	Lamia-	tH, p	Shores	NO, SE, FI, PL, DK, DE, NL, BE, GB,Ire, FR, PT, ES, IT, CH, AT, CzS, Yug, GR, HU, RO, BG, Ru w,K	cultivar	Pla	3, 8, 9, 15, 16
"	"								
Mentha	suaveolens ^c	Ehrh.	Lamia-	tH, p	ditches & wet places	NO, SE, FI, PL, DK, Ire, CzS, AT, RO	s & w Eur	Pla	3, 16
Mentha	x gentilis^c	L.	Lamia-	tH, p	wet places	NO, SE, FI, PL, DK, DE, NL, Ire, PT, ES, CH, AT, CzS, Yug, HU, RO, Ru c,w	s & w Eur	Pla	3, 9
"	"								
Mentha	x piperita^c	L.	Lamia-	tH, p	wet places	PL, DK, DE, NL, BE, GB, Ire, FR, PT, ES, IT, CH, AT, CzS, Yug, HU, RO, BG, Ru c,w,e	cultivar	Pla	3, 9
"	"								
Mentha	x smithiana ^c	R.A.Graham	Lamia-	tH, p	wet places	PL, DE, NL, BE, GB, Ire, FR, IT, CH, AT, CzS, Yug, HU, RO	cultivar	Pla	3
"	"								
Phlomis	fruticosa ^o	L.	Lamia-	sB, p	Maritime cliffs	GB, Ire, FR, PT Az , Ru K	e Mediterr	Pla	3, 8
Salvia^{oo}	glutinosa^o	L.	Lamia-	tH, p	River-banks	SE, GB	s Eur	Or	3, 8, 9, 15
Scutellaria	hastifolia	L.	Lamia-	sH, p	FW-BW shores	BE, GB	Eur	?	3, 8
Callitriche	peploides	Nutt.	Callitrica-	sH, a	Ditches	FR	N.Amer /Mexico?	?	3
Callitriche	terrestris	Rafin.	Callitrica-	sH, a	Ditches	FR	N.Amer	?	3
Forsythia	suspensa ^o	(Thun.) Vahl	Olea-	tB, p	River-banks	seGB	China	Or	8
Forsythia	x intermedia ^o	Zabel	Olea-	tB, p	River-banks	NO, seGB	cultivar	Or	8, 33
Bacopa^{aa}	monnieri^a	(L.) Pennell	Scrophularia-	SAq, p	River-banks, rice-fields	nPT, nwES	trop & subtr	We?	3, 9, 56
Gratiola	neglecta	Torrey	Scrophularia-	Aq, a-b	Shallow FW	DE, eFR	e N.Amer	?	3
Hebe ^{oo}	dieffenbac ^{thio}	(Benth.) Cockayne & Allan	Scrophularia-	sB, p	rocks at lagoon	swGB	NZ	Or	3, 8
Hebe	elliptica ^o	(G.Forster) Penell	Scrophularia-	sB, p	Sea-cliffs	nwFR	NZ	Or	3, 8
Hebe	salicifolia ^o	(G.Forster) Penell	Scrophularia-	tB, p	Sea-cliffs, river-banks, swamps	GB, Irl, PT Az	NZ, Chile	Or	3, 8
Hebe	x francisc ^{anao}	(Eastw.) Souster	Scrophularia-	tB, p	Sea-cliffs	GB, Ire	cultivar	Or, Pla	3, 8
Linaria ^{oo}	arenaria	DC.	Scrophularia-	sH, a	Maritime sand	swGB	France, Spain	?	3, 8

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Lindernia^d	dubia	(L.) Pennell	Scrophularia-	SAq, a	FW, river-banks, rice-fields	DE, FR, PT, ES, IT	e N.Amer	We?	3, 7, 9
Mimulus ^{oo}	guttatus ^o	DC.	Scrophularia-	SAq, p	River-banks, by streams	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire, FR, CH, AT, CzS, Yug, RO, BG, Ru c	w N.Amer	Or	3
"	"								
Mimulus	luteus ^o	L.	Scrophularia-	SAq, p	Stream-sides	nGB	Chile	Or	3, 8
Mimulus	moschatus ^o	Douglas ex Lindley	Scrophularia-	SAq, p	River-banks	(NO), Balt, DE, NL, BE, GB, Ire, FR, PT, IT, CzS, RO, Ru c	w N.Amer	Or	3, 33
"	"								
Phygelius ^o	capensis ^o	E.Meyer ex Benth.	Scrophularia-	tB, p	by rivers	elre	S.Afr	Or?	8
Veronica^{oo}	americana	Schweinitz ex Bentham	Scrophularia-	SAq, p	Streams, springs, swamps	nwES	N.Amer	We?	7, 9
Veronica	austriaca ^o	L.	Scrophularia-	sH, p	dunes	NO, SE, FI, DK, GB	Eur	?	3, 8, 15, 16, 33
Veronica	catenata	Pennell	Scrophularia-	Aq, p	FW	FI, Rule	Eur	?	3, 17
Veronica	filiformis	Sm.	Scrophularia-	sH, p	Stream-sides	NO, SE, FI, PL, DK, DE, NL, BE, GB, Ire, FR, CH, AT, CzS, Ru K	Caucasus	Or	3, 8, 15, 45
"	"								
Veronica	peregrina	L.	Scrophularia-	SAq, a	Stream-sides	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire, FR, PT, ES, IT, CH, AT, CzS, HU, RO	N & S.Amer	We	3, 16, 45
"	"								
Utricularia^{ao}	exoleta	R.Brown	Lentibularia-	Aq, p	Shallow FW	PT, wES	Afr, Asia, AU	Aq?/Or?	3, 7, 9
Utricularia	gibba	L.	Lentibularia-	Aq, p	Shallow FW	HU	Afr	Aq?/Or?	3, 7
Campanula ^{oo}	rhomboidalis ^o	L.	Campanula-	sH, b-p	River-banks	DE, NL, BE, GB, AT, CzS	w Alps	Or	4, 8
Coprosoma ^{oo}	repens ^o	A.Rich.	Rubia-	tB, p	by sea	swGB	NZ	Pla	8
Centranthus^o	ruber^o	(L.) DC.	Valeriana-	tH, p	cliffs & banks	DE, BE, GB, Ire, CH, AT, Ru K	Mediterr	Or	4, 8, 62
Ageratina	adenophorae	(Spreng.) King & H.Rob.	Astera-	SAq, p	Shores, reeds	PT, ES, IT Co , GR Cr	Mexico	Or	4, 9
Ambrosia	artemisifolia	L.	Astera-	tH, a	upper part of beaches	NO, SE, FI, PL, DK, DE, BE, GB, FR, PT, IT, CzS, AT, Yug, HU, RO, Ru w	N.Amer	We?	4, 8, 9, 15
"	"								
Ambrosia	psilostachya	DC.	Astera-	tH, p	dunes	SE, PL, DK, DE, NL, BE, GB, FR, ES, IT, CH, HU, Ru w	N.Amer	We?	4, 8, 9, 15
"	"								
Ambrosia	tenuifolia	Sprengel	Astera-	tH, p	Maritime dunes	FR, ES	temp S.Amer	We?	4, 9
Anaphalis^{oo}	margaritacea^o	(L.) Bentham	Astera-	tH, p	River-banks	NO, SE, PL, DK, DE, NL, GB, FR, AT, CzS, RO (GB), FR	N.Amer	Or	4, 9
Artemisia ^{oo}	scoparia	Waldst. & Kit.	Astera-	sH, b	River-banks	(sSE), DK, GB, Ire	se Eur, Asia	?	4, 26
Artemisia	stellariana ^o	Besser	Astera-	sH, p	Maritime dunes	NO, PL, DE, NL, BE, GB, FR, AT, CzS, Yug, RO	N.Amer	Or	4, 8, 26
Aster ^{oo}	laevis ^o	L.	Astera-	tH, p	River-banks	NO, PL, DE, NL, BE, GB, FR, AT, CzS, Yug, RO	N.Amer	Or	4
Aster	lanceolatus ^o	Willd.	Astera-	tH, p	River-banks	NO, PL, DE, NL, BE, GB, FR, PT, ES, IT, CH, AT, CzS, Yug, HU, RO,	N.Amer	Or	4, 9, 30, 33
"	"								
Aster	novae-angli^{iaeo}	L.	Astera-	tH, p	River-banks	NO, PL, DE, NL, BE, GB, FR, IT, CH, AT, CzS, HU, RO	N.Amer	Or	4, 9, 30, 33
"	"								
Aster	novi-belgii^o	L.	Astera-	tH, p	River-banks	NO, SE, FI, PL, DK, DE, NL, BE, GB, Ire, FR, IT, CH, AT, CzS, Yug, HU, RO, Ru?	N.Amer	Or	4, 9, 16
"	"								
Aster	puniceus^o	L.	Astera-	tH, p	Swamps, along streams	PL, GB	N.Amer	Or	4, 9
Aster	x salignus ^o	Willd.	Astera-	tH, p	River-banks	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, FR, IT, CH, AT, CzS, Yug, HU, RO, Ru n,c,w	cultivar	Or	4
"	"								
Aster	schreberi ^o	Nees	Astera-	tH, p	Lochside	nGB	N.Amer	Or	4

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Aster	squamatus ^o	(Spreng.) Hieron. ex Sod	Astera-	tH, p	Saline soil	FR, PT, ES, IT, Yug, GR	C & S.Amer	Or	4, 9
Asteriscus	aquaticus	(L.) Less.	Astera-	sH, a	damp sand	GB	Mediterr	?	4, 26
Baccharis	halimifolia	L.	Astera-	tB, p	by sea	sGB, wFR, nwES	N.Amer	Pla	4, 8, 9
Bidens	aurea	(Aiton) Sherff	Astera-	SAq, a	River-banks	FR, PT, ES, IT	C.Amer	?	4, 7, 9
Bidens	connata	Muhl ex Willd.	Astera-	SAq, a	Shores of lakes & rivers	PL, NL, BE, GB, FR, CH, CzS	N.Amer	?	4, 7, 8, 9
Bidens	frondosa	L.	Astera-	SAq, a	Shores of lakes & rivers	PL, DE, NL, BE, GB, FR, PT, ES, IT, CH, AT CzS, Yug, HU, Ru w	America	?	4, 7, 8, 9
"	"	"	"	"	"	"	"	"	"
Bidens	subalternans	DC.	Astera-	tH, a	Damp places	FR, ES	S.Amer	?	4, 9
Bidens	vulgata	E.L.Greene	Astera-	tH, a	Dyke-lands, marshes	(FI), (GB), FR, RO	N.Amer	?	4, 8, 9, 15
Brachyglottis	monroi	(Hook.f.) R.Nordenstam	Astera-	sB, p	dunes	wGB	NZ	?	8
Centaurea ^o	aspera	L.	Astera-	tH, p	Maritime dunes	NO, SE, sGB	sw Eur	?	4, 8, 9, 16
Centaurea	diffusa	Lam.	Astera-	sH, a-b	Maritime sand	NO, SE, FI, PL, DE, FR, IT, CH, AT, CzS	se Eur	?	4, 9, 16, 62
Cirsium	oleraceum	(L.) Scop.	Astera-	tH, p	Marshes, by streams	FI, GB, Ire	Eur	We?	4, 8, 9
Conyza	canadensis	(L.) Cronq.	Astera-	tH, a	Sand-dunes	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, FR, PT, ES, IT, CH, AT, CzS, Yug, AL, GR, HU, RO, BG, Ru	N.Amer	We?	4, 8, 9, 15
"	"	"	"	"	"	"	"	"	"
Cotula ^{oo}	coronopifolia	L.	Astera-	SAq, a-p	BW & FW marshes, river-mouths	NO, SE, DK, DE, GB, Ire, FR, PT, ES, IT Sa	S.Afr	Or?	4, 7, 9, 54
Dittrichia	viscosa	(L.) W.Greuter	Astera-	sB, p	Sandy river-banks	GB	s Eur	Bal	4, 8, 26
Eclipta	prostrata	(L.) L.	Astera-	SAq, a	by rivers, rice-fields	PT, ES, IT	trop & w-temp Amer	We?	4, 7, 9
Gaillardia ^o	x grandiflora ^o	van Houtte	Astera-	tH, a-p	Sand & shingle by sea	GB	cultivar	Or	8
Gamochaeta	purpurea	(Cabrera) Cabrera	Astera-	sH	wet places	PT	N.Amer	?	4
Gamochaeta	subfalcata	(L.) Cabrera	Astera-	sH	Ricefields	PT	N & S.Amer	We?	4
Gazania	rigens ^o	(L.) Gaertner	Astera-	sH, a	Cliffs near sea	sGB, PT	S.Afr	Or	4, 8
Grindelia	stricta	DC.	Astera-	tH, p	Sea-cliffs	eGB	w N.Amer	Or?	8
Helianthus ^o	annuus	L.	Astera-	tH, a	River-banks	NO, SE, FI, DK, GB, ES, CH, AT, CzS, Yug, AL, GR, TR, HU, RO, BG, Ru(w,K,e)	N.Amer	Pla	4, 8, 9, 16, 26, 30
"	"	"	"	"	"	"	"	"	"
Helichrysum ^{oo}	bellidioides ^o	(G.Forster) Willd.	Astera-	sB, p	by stream	nGB	NZ	Or	8
Helichrysum	foetidum	(L.) Cass.	Astera-	tH, b	Maritime rocks & sand	FR, PT, ES	S.Afr	Or?	4
Inula ^{oo}	britannica	L.	Astera-	tH, p	shores	NO, FI, GB	Eur	Or?	4, 8, 9, 33
Iva	xanthifolia	Nutt.	Astera-	tH, a	Marshes	(NO), SE, PL, DE, GB, FR, AT, CzS, HU, RO, Ru c,w,e	w N.Amer	Se	4, 8, 9, 15, 33, 61
"	"	"	"	"	"	"	"	"	"
Lactuca	tatarica	(L.) C.A.Meyer	Astera-	tH, p	Sea-shores, riverbanks	NO, SE, FI, Balt, PL, DK, DE, NL, GB, Ire, CH, CzS, Ru n	e Eur	Bal	4, 9
"	"	"	"	"	"	"	"	"	"
Leucanthemella	serotina ^o	(L.) Tzvelev	Astera-	tH, p	by ponds & ditches	PL, GB, CH	se Eur	Or?	4, 8
Olearia ^{oo}	macrodonata ^o	Baker	Astera-	tB, p	by sea	GB, Ire	NZ	Pla	8
Petasites	hybridus ^o	(L.) Gaertner, Meyer & Scherb	Astera-	sH, p	River-banks	NO, SE, FI, Balt, DK	Eur	Or	4, 9
Petasites	japonicus ^o	(Siebold & Zucc.) Maxim.	Astera-	sH, p	Stream-banks	NO, SE, DK, NL, GB, CzS	Japan	Or	4, 9, 15, 33
Rudbeckia ^{oo}	hirta ^o	L.	Astera-	tH, b	River-banks	NO, SE, FI, PL, DK, DE, BE, GB, FR, CH, AT, Yug, HU, Ru c,w,e	N.Amer	Or	4, 8, 9, 16, 30
"	"	"	"	"	"	"	"	"	"
Rudbeckia	laciniata ^o	L.	Astera-	tH, p	River-banks	NO, SE, FI, PL, DK, DE, NL, BE, GB, FR, IT, CH, AT, CzS, HU, RO, Yug, Ru w	N.Amer	Or	4, 8, 9, 16, 30
"	"	"	"	"	"	"	"	"	"
Senecio ^{oo}	doria	L.	Astera-	tH, p	by streams	eGB	Eur	We?	4, 8
Senecio	doronicum ^o	(L.) L.	Astera-	sH, p	River-banks	GB	Eur	We?	4, 8

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Senecio	fluviatilis	Wallr.	Astera-	tH, p	Swamp, by streams	DK, GB, Ire	c & e Eur	We?	4, 8
Senecio	inaequidens	DC.	Astera-	tH, p	sandy beach	NL, BE, GB, FR, nIT	S.Afr	We?	4, 8, 37
Senecio	leucanthemifolius	Poiret	Astera-	sH, a	Maritime sand	GB	Mediterr	We?	4, 9, 26
Senecio ^o	palustris	(R.Br.) DC.	Astera-	SAq, a	Marshes	NO	Eur	We?	4, 17
Senecio	smithii	DC.	Astera-	tH, p	by streams	nGB	s Chile, Argentina	We?	4, 26
Silphium	perfoliatum	L.	Astera-	tH, p	River-banks	(NO), DE, CH, CzS	N.Amer	Or	4, 33
Solidago	canadensis ^o	L.	Astera-	tH, p	banks and shores	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire, FR, ES, CH, AT, HU, RO, Ru c,w	N.Amer	Or	4, 9, 15
"	"								
Solidago	gigantea ^o	Aiton	Astera-	tH, p	along streams	NO, SE, PL, DK, DE, NL, BE, GB, Ire, FR, PT Az	N.Amer	Or	4, 9, 33
"	"								
Solidago	graminifolia ^o	(L.) Salisb.	Astera-	tH, p	lake shores, swamps	ES, IT, CH, AT, CzS, HU, RO, BG, Ru w PL, DE, GB, FR, CH, AT, CzS, RO, Ru w	N.Amer	Or	4 4, 9
Telekia	speciosa ^o	(Screber) Baumg.	Astera-	tH, p	by lakes & rivers	NO, SE, DK, DE, BE, GB, FR, AT, Ru c	c & se Eur	Or	4, 8, 30, 33
LILIOPSIDA									
Alisma ^{a,o}	gramineum ^a	Lej.	Alismata-	Aq, p	FW ponds, shores	GB	n, e & c Eur	Or?	5, 6, 8, 9, 13
Caldesia	parnassifolia	(L.) Parl	Alismata-	Aq, a-p	FW lakes, reeds, mud	nGB	c & s Eur, Asia, Afr	Or?	5, 13, 19
Sagittariaaa	gramineaa	Michx	Alismata-	Aq, p	FWponds, lake shores, tidal mud	BE, GB	e N.Amer	Aqu	6, 13, 56, 59, 63
Sagittaria	latifolia ^{a,o}	Willd.	Alismata-	SAq, p	FW, stream-sides, reeds	DK, DE, NL, sGB, FR, IT, CH, AT, CzS	N.Amer	Aqu/Or	5, 6, 8, 9, 13, 15
"	"								
Sagittaria	platyphylla ^a	(Engelm.) G.E.Sm	Alismata-	SAq, p	Shallow FW, reeds, rice- fields	RO, BG, Ru c nIT	N & C.Amer	Or	5, 6, 9
Sagittaria	rigida ^o	Pursh.	Alismata-	Aq, p	FW lakes, BW mud	swGB	N.Amer	Or	5, 6, 8
Sagittaria	trifolia	L.	Alismata-	Aq, p	FW	sUA	Asia	Or	5, 9
Sagittaria	subulata ^a	(L.) Buchenau	Alismata-	Aq, a-p	FW&BW shores	sGB, HU, RO	e N.Amer	Or	5, 6, 8, 9, 13
Blyxa ^{it}	japonicaa	(Miq.) Maxim	Hydrocharita-	Aq, p	Ricefields	swPT, nIT,	se Asia	Aqu?	5, 6, 9
Egeria ^a	densaa.o	Planchon	Hydrocharita-	Aq, p	FW	DE, NL, GB, FR, ES, IT, CH, AT?	S.Amer	Aqu	5, 6, 9, 13, 47
Elodea ^a	callitrichoides ^a	(Rich.) Caspary	Hydrocharita-	Aq, p	FW	DE, GB, FR	S.Amer	Aqu	5, 6, 8, 13
Elodea	canadensis.a.o	Michx	Hydrocharita-	Aq, p	FW (BW)	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire, FR, PT, ES, IT, CH, AT, CzS, Yug, HU, RO, BG, Ru	N.Amer	Aqu	5, 6, 8, 9, 13
"	"								
Elodea	nuttallii ^a	(Planchon) H.St.John	Hydrocharita-	Aq, p	FW (BW)	SE, DK, DE, NL, BE, GB, Ire, CH	N.Amer	Aqu	5, 6, 8, 9, 13, 15
Halophila	stipulacea	(Forskoal) Ascherson	Hydrocharita-	Aq, p	SW	swIT, MT, AL, GR	Red Sea-Ind. Ocean	Les	5, 41
Hydrilla	verticillataa	(L.f.) Royle	Hydrocharita-	Aq, p	FW	(DE), sAT	e Eur, Asia, Afr	Aqu/Or	5, 6, 9, 19, 55
Lagarosiphon ^a	majora	(Ridley) Moss	Hydrocharita-	Aq, p	FW	GB, Ire, FR, IT, CH, AT	S.Afr	Aqu	5, 6, 8, 9, 13, 19
Ottelia ^a	alismoidesa	(L.) Pers.	Hydrocharita-	Aq, a-p	Shallow FW, rice-fields	nIT	Asia, Afr, AU	Aqu?/We?	5, 6, 9
Ottelia	ovalifolia	(R.Brown) L.C.Richard	Hydrocharita-	Aq, p	Shallow FW, rice-fields	nIT	trop AU	We?	6
Stratiotes	aloidesa.o	L.	Hydrocharita-	Aq, p	FW	GB, Ire, FR, CH	Eur, Asia	Or?	5, 6, 9, 13, 58
Vallisneriaa ^{aa}	spiralisa	L.	Hydrocharita-	Aq, p	FW	DE, NL, BE, GB, CH, HU	warm areas	Aqu?	5, 6, 8, 9, 13, 56
Aponogeton ^{aa}	distachyos ^{a,o}	L.f.	Aponogetona-	Aq, p	FW (BW)	GB, FR	S.Afr	Or	5, 6, 8, 9, 13, 54, 56
Triglochin	striata	Ruiz & Pavón	Juncagina-	SAq, p	Salt-marshes	wPT	S.Afr,	?	5
Lilaea	scilloides	(Poiret) Hauman	Lilaea-	SAq, a	Marshes, mudflats	wPT, nES	Amer,AU,Asia N & S.Amer	?	5, 50

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Potamogeton	epiphydrus	Raf.	Potamogetona-	Aq, p	FW	ec&cGB	N.Amer, nw Scotland	?	5, 6, 8, 13
Najas ^{aa}	gracillima	(A.Braun) Magnus	Najada-	Aq	Ponds, shores, ricefields	nIT	e N.Amer	We?	5
Najas	graminea	Del.	Najada-	Aq, a-p	FW, canal &rice-fields	wGB, nIT, RO, BG	trop	We?	5, 6, 8, 9, 13
Acorus	calamus	L.	Ara-	SAq, p	FW, river-banks, reeds	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire, FR	s & e Asia	Med	5, 6, 9, 56
"	"					IT, CH, AT, CzS, Yug, HU, RO, BG,	Ru c,w,e		
Acorus	gramineus ^a	Aiton	Ara-	SAq, p	FW lake	sGB	e Asia	Or?	8, 13, 56
Calla	palustris ^o	L.	Ara-	SAq, p	FW ponds, marshes	GB	Eur	Or	5, 6, 8, 13
Colocasia	esculenta ^c	(L.) Schott	Ara-	tH, p	Marshes, beside FW	PT, ES, IT, Yug	trop Asia	Pla	5, 9
Lysichiton	americanus ^o	Hulten & H.St.John	Ara-	SAq, p	River-banks, swamps	NO, SE, GB, Ire	w N.Amer	Or	5, 8, 13, 33
Lysichiton	camtschatcensis ^o	(L.) Schott	Ara-	SAq, p	River-banks, swamps	GB, Ire	e Asia	Or	8, 13
Orontium	aquaticum ^o	L.	Ara-	SAq, p	FW shores, river-banks	swSE	e N.Amer	Or	9, 32
Pistia	stratiotes ^{a,o}	L.	Ara-	Aq, p	FW	(NO), (NL), (AT)	trop	Or/Aqu	6, 9, 33, 55, 56
Zantedeschia ^{oo}	aethiopica ^a	(L.) Sprengel	Ara-	SAq, p	in ditches	GB, Ire, PT Az , FR Co , Yug	S.Afr	Or	5, 8, 13
Lemna ^a	minuta	Kunth	Lemna-	Aq, p	FW	DE, NL, BE, sGB, FR, CH	N & S.Amer	We?/Aqu?	6, 8, 13, 56
Lemna	perpusilla	Torrey	Lemna-	Aq, p	Ricefield	sFR, nIT	Asia, Afr, Amer	We?/Aqu?	5, 6, 9
Lemna	valdiviana	Phillippi	Lemna-	Aq, p	FW	swFR	N & S.Amer	We?/Aqu?	5
Spirodela	oligorhiza	Hegelm.	Lemna-	Aq, p	Ricefields	nwIT	Asia, AU	We?/Aqu?	5, 6, 9
Murdannia	blumei	(Hasskarl) Brenan	Commelina-	Aq, p	FW pools, streams, rice- fields	IT	s Asia	We?	6
Eriocaulon ^a	cinereum	R.Br.	Eriocaula-	SAq, p	Shallow FW, swamps, rice-fields	nIT	se & e Asia	We?	5, 6, 9
Juncus	canadensis	Gay in Laharpe	Junca-	SAq, p	FW, marshes	NL, BE	N.Amer	?	5, 6
Juncus	foliosus	Desf.	Junca-	SAq, a- p	FW shores, marshes	wNO	w Eur	?	5, 15
Juncus	imbricatus	Laharpe	Junca-	sH, p	Ricefields, wet place	(GB), PT	temp S.Amer	We?	5, 13
Juncus	pallidus	R.Br.	Junca-	tH, p	Gravel-pits	GB	AU, NZ	Wo	5, 8, 13
Juncus	planifolius	R.Br.	Junca-	SAq, p	Lake margins, bogs	w Ire	S.Amer, NZ, AU	?	5, 8, 13
Juncus	subulatus	Forskaol	Junca-	SAq, p	Salt-marshes	GB	Mediterr	?	5, 8, 13
Luzula	luzuloides ^o	(Lam.) Dandy & Wilm.	Junca-	sH, p	by streams	NO, SE, FI, Balt, DK, GB, Ru c	Eur	Or	5, 8, 13, 15
Carex	vulpinoidea	L.	Cypera-	SAq, p	seasonally flooded	PL, NL, (GB), FR, ES, CzS	e N.Amer, n S.Amer	?	5, 6, 13
Cyperus ^a	auricomus	Sieber ex Sprengel	Cypera-	SAq, p	Ricefields	neES, IT	Africa	?	5, 6
Cyperus	brevifolius	(Rottb.) Endl. ex Hassk.	Cypera-	SAq, p	Marshes	(GB), PT	trop Amer, Asia	Wo	5, 9, 13
Cyperus	congestus	Vahl	Cypera-	SAq, a	Shores	(GB), PT, (HU), (s.Europe)	S.Afr, AU	Wo	5, 6, 13
Cyperus	difformis	L.	Cypera-	SAq, a	River-banks, rice-fields	sFR, PT, ES, nIT	trop & subtr	?	5, 6, 9
Cyperus	eragrostis	Lam.	Cypera-	SAq, p	River-banks, swamps	sGB, FR, PT, ES, HU	trop Amer	Or	5, 6, 9, 13
Cyperus	esculentus	L.	Cypera-	sH, p	wet places	(GB), ES?, AT, Ru w	sw Eur & Mediterr	Pla/Wo	5, 9, 13
Cyperus	involutus ^o	Rottb.	Cypera-	SAq	FW wetlands	GB, PT	Africa	Or	5, 13
Cyperus	luzulae	(L.) Retz.	Cypera-	SAq, p	River-banks, reeds	(GB)	Amer	Wo	13
Cyperus	ovularis	(Michx) Torr.	Cypera-	SAq, p	wet places	(GB), PT Az	e N.Amer	Wo	5, 13
Cyperus	papyrus ^o	L.	Cypera-	SAq, p	Shores of lakes & rivers	IT Sij, MT	c Afr, Nile valley	Or	5, 6, 9
Cyperus	polystachyos	Rottb.	Cypera-	SAq, a- p	River-banks, marshes, saline mud	sIT	trop	?	5, 6, 9
Cyperus	reflexus	Vahl	Cypera-	SAq, p	Marshes	(GB)	Amer	Wo	13
Cyperus	rigidifolius	Steud.	Cypera-	SAq	Marshes	(GB)	Afr	Wo	13
Cyperus	rotundus	L.	Cypera-	SAq, p	Lake shores, river-banks, rice-fields	(GB), Mediterr	Afr	Wo	6, 9, 13, 54
Cyperus	squarrosus	L.	Cypera-	SAq, a	Ricefields, wet sand	nIT	trop	?	5, 6
Cyperus	strigosus	L.	Cypera-	SAq, p	Shores, marshes	nwIT	N.Amer	?	5, 9

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Cyperus	tenuis	Sw.	Cypera-	SAq, p	Sandy river-banks	(GB)	Amer	Wo	13
Cyperus	textilis	Thunb.	Cypera-	SAq, p	wet places	PT Az	S.Afr	?	5
Cyperus	ustulatus	Rich.	Cypera-	SAq	by rivers	(GB)	NZ	Wo	13
Eleocharis ^{aa}	bonariensis	Nees	Cypera-	SAq, p	Esuarine river-banks	wFR	S.Amer	?	5, 56
Eleocharis	flavescens	(Poiret) Urban	Cypera-	SAq, p	Ricefields	PT, nIT	C.Amer	We?	5
Eleocharis	geniculata	(L.) Roemer & Schultes	Cypera-	SAq, p	Ricefields	IT	trop	We?	5, 9
Eleocharis	obtusa	(Willd.) Schulte	Cypera-	SAq, a	Shallow FW, rice-fields	swPT, nIT	N.Amer	We?	5, 6
Eleocharis	olivacea	Torrey	Cypera-	SAq, p	Shallow FW, rice-fields	PT, nIT	e N.Amer	We?	5, 6
Eleocharis	striatula	E.Desvaux	Cypera-	SAq, p	River-banks, mud	sFR	Chile	We?	6
Fimbristylus	annua	Roemer & Schultes	Cypera-	SAq, a	Lake-shores, pools, saline mud	FR, IT, CH	worldwide	?	5, 6, 9
Fimbristylus	ferruginosa	(L.) Vahl	Cypera-	SAq, b	FW & BW pools & sand	sES, GR	s Eur, trop & subtr	?	5, 6, 9
Fimbristylus	hispidula	(Vahl) Kunth	Cypera-	SAq, a	Swamps	IT	trop	?	6
Fimbristylus	squarosa	Vahl	Cypera-	SAq, a	Lake shores, swamps	nw&wclIT	trop & subtr	?	5, 9
Isolepis	cernua	(Vahl) Roemer & Schultes	Cypera-	SAq, p	Tidal sand, peat	(NL)	worldwide	?	6
Schoenoplectus	litoralis	(Vahl) Palla	Cypera-	SAq, p	BW pools & shores, hot springs	AT	trop & subtr	?	5, 6, 7, 9
Schoenoplectus	mucronatus	(L.) Palla	Cypera-	SAq, p	Reeds, ricefields	NL	s Eur, Afr, Asia	?	5, 6, 9
Schoenoplectus	prolifer	(Rottb.) Palla	Cypera-	SAq, a	pool edges, swamps	swFR	S.Afr, AU, N.Z	?	5
Scirpus ^a	juncooides	Roxb	Cypera-	SAq, a	Ricefields	cPT	trop & subtr	?	5, 9
Scirpus	pendulus	Muhl.	Cypera-	SAq, p	Marshes	neCH, seCzS	N.Amer	?	5
Ammophila	breviligul ^{stac}	Fern.	Poa-	tH, p	Sand dunes	swGB	e N.Amer	Pla	8, 9, 13
Antinoria	agrostidea	(DeCandolle) Parlatore	Poa-	SAq, a-	Swamps, wet meadows	BE	s Eur, n Afr	?	5, 6
Arundo	donax ^c	L.	Poa-	Aq, p	by rivers and ditches	FR, PT, ES, IT, Yug, AL, GR, TR	Asia	Pla	5, 6, 9
Arundo	plinii ^c	Turra	Poa-	SAq, p	by pools, seasonal flooded mud	BG	Mediterr	Pla?	5, 6
Beckmannia	eruciformis	(L.) Host	Poa-	SAq, p	Shallow FW, BWmud, rice-fields	SE, DE, (GB)	e & ec Eur	?	5, 6, 16
Beckmannia	syzigachne	(Steudel) Fern.	Poa-	SAq, p	Shallow FW, rivers, swamps	NO, SE, FI, DK, DE, sGB	N.Amer, Asia	?	5, 6, 7, 8, 9, 13, 16
Ceratochloa	carinata	(Hook. & Arn.) Tutin	Poa-	tH, p	River-banks	NL, sGB, elre	w N.Amer	Se/Fo	5, 8, 13
Cortaderia	selloana ^o	(Schultes f.) Ach.&Graebner	Poa-	tH, p	Maritime cliffs & dunes	sGB, selre, FR, PT Az , ES	S.Amer	Or	5, 8, 13
Cortaderia	richardii	(Endl.) Zotov	Poa-	tH, p	Coastal area	GB	NZ	Or?	13
Digitaria	ciliaris	(Retz.) Koehler	Poa-	SAq, a	Ricefields	(GB), IT	trop & subtr	We/Wo	5, 8, 9, 13
Echinochloa	crus-galli	(L.) P.Beauv	Poa-	SAq, a	Riverbanks, ricefields	NO, SE, FI, Balt, PL, DK, DE, NL, BE, GB, Ire CH, AT, CzS, HU, Ru c	w-temp	Se/Wo	5, 6, 8, 13, 15
"	"					nIT	trop & subtr Amer	We?	6
Echinochloa	crus-pavonis	(H.B.K.) Schultes	Poa-	SAq, a	Swamps, ricefields	nIT	trop & subtr Amer	We?	6
Echinochloa	frumentaceae	Link	Poa-	SAq, a	Ricefields	SE, DK, GB, IT, Ru s	Afr, Asia	Se/Wo	6, 8, 13, 15, 30
Echinochloa	oryzoides	(Ard.) Fritsch	Poa-	SAq, a	Ricefields	PT, ES, IT, CzS, HU, RO, BG, Ru w,K,e	Asia	We?	5, 6, 9
Echinochloa	phyllopogon	(Stapf.) Carv.-Vasconcellos	Poa-	SAq, a	Ricefields	PT, IT, HU, BG, Ru s	e Asia	We?	6, 9
Elymus	canadensis	L.	Poa-	tH, p	River-banks	NO, sGB	N.Amer	?	13, 33
Eriochloa	villosa	(Thunb.) Kunth	Poa-	SAq	Ricefields	sUA, seRU	e Asia	We?	5
Glyceria ^{oo}	canadensis	(Michx) Trin.	Poa-	SAq, p	Swamps, by ponds & rivers	DE	N.Amer	?	5
Glyceria	grandis	S.Watson in A.Gray	Poa-	SAq, p	Marshes, stream-banks	NO, SE	N.Amer	?	5, 15
Glyceria	striata	(Lam.) A.S.Hitsch	Poa-	SAq, p	by streams	SE, FI, FR, CH, AT, Ru w	N.Amer	Se?	5, 6, 15
Lagurus	ovatus ^o	L.	Poa-	sH, a	Sand dunes	(NO), sGB	s Eur	Pla	5, 8, 9, 13, 33
Orzya	sativac	L.	Poa-	Aq, a	Shallow water, mud	FR, PT, ES, IT, CzS, Yug, AL,	s Asia	Pla	5, 6, 9

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
"	"		Poa-			GR, HU,			
Paspalum	distichum	L.	Poa-	SAq, p	by sea & canal, shores, marshes	RO, BG, Ru w,K,e NL, sGB, FR, PT, ES, IT, AL,	trop	We?	5, 6, 8, 9, 13
Paspalum	urvillei	Steudel	Poa-	SAq, p	Ricefields & wet places	GR, BG, Ru K , TR	Brazil-Argentina	We?	5, 9
Paspalum	vaginatum	Swartz	Poa-	sH, p	Maritime sand, ricefields	FR, PT, ES, IT	trop	We?	5, 9
Poa	palustris ^c	L.	Poa-	SAq, p	Marshes, reeds, by ponds	GB, Ire	Eur, Asia, N.Amer	Fo	5, 8, 13
Polypogon	monspeliensis	(L.) Desf.	Poa-	SAq, a	Saltmarshes, swamps, by pools	NO, SE, FI, DK, NL, BE, CzS, Ru w	s & e Eur, Afr, Asia	?	5, 6, 8, 13, 16, 30
Polypogon	viridis	(Goan) Breistr	Poa-	SAq, a-	Marshes, by pools	SE, seGB, FR	s Eur	?	5, 6, 8, 13
Pseudosasa	japonica	(Siebold&Zucc.) Makino	Poa-	tH, p	by water	GB, Ire, FR	Japan	Or	5, 13
Sasa	veitthii	(Carrière) Rehder	Poa-	tH, p	by water	GB, Ire, FR	Japan, Korea	Or	5, 13
Spartina	alterniflorac	Loisel.	Poa-	Aq, p	Saltmarshes/tidal flats	sGB, wFR, nES	N.Amer	Bal/Pla	5, 9, 62, 63
Spartina	anglicac	C.E.Hubbard	Poa-	Aq, p	Saltmarshes/tidal flats	DK, DE, NL, BE, Ire	s GB	Pla	5, 13, 62, 63
Spartina	densiflorac	Brongn	Poa-	Aq, p	Saltmarshes/tidal flats	swES	temp S.Amer	?	5, 9, 63
Spartina	maritima ^c	(Curtis) Fern.	Poa-	Aq, p	Tidal flats	elre	s & w Eur	Pla	5, 8, 13
Spartina	pectinata ^o	Bosc. ex Link	Poa-	Aq, p	FW, BW & SW shores	sGB, wIre	N.Amer	Or	8, 13
Spartina	x townsendii ^c	Groves & J.Groves	Poa-	Aq, p	Saltmarshes/tidal flats	DK, DE, NL, BE, Ire	s GB & w FR	Pla	5, 13
Stenotaphrum	secundatum	(Walter) O. Kuntze	Poa-	sH, p	Sea shores	FR, PT, ES, IT Sij	trop & subtr	?	5, 9
Zizania	aquaticac	L.	Poa-	Aq, a	FW & BW lakes & shores	Balt, Ru c,w	N.Amer	Pla	5, 6, 9
Zizania	latifolia	(Griseb.) Stapf	Poa-	Aq, p	Lakes & shores	Rule	temp e Asia	?	5, 6
Typha^{oo}	domingensis	(Pers.) Steudel	Typha-	SAq, p	FW & BW marshes	sFR, CH	s Eur	?	5, 6, 9
Typha	laxmanni ^c	Lepchin	Typha-	SAq, p	FW & BW shores, swamps	DE, seGB, FR, CzS	se Eur	Or	5, 6, 13
Typha	lugdunensis	P.Chab.	Typha-	SAq, p	River-banks	swDE, eFR, wCH	Asia	?	5
Fascicularia	bicolor^c	(Lopez & Pavon) Mez	Bromelia-	tH, p	Maritime dunes&rocks	sGB, nwFR	Chile	Or	5, 8, 9, 13
Ochagavia	carnea ^c	(Beer) L.B.Sm. & Looser	Bromelia-	tH, p	Maritime dunes	sGB	Chile	Or	8, 13
Eichhornia,oa	crassipesa,o	(C.F.P.Mart.) Solms -Laub.	Pontederia-	Aq, p	FW, ricefields	(NL), (FR Co), wcPT, eES, ciT	trop Amer	Or	5, 6, 9, 34, 38, 52
Heteranthera^{aa}	limosa	(Schwartz) Willd.	Pontederia-	Aq, p	Ricefields	sFR, PT, ES, niT	Amer	We?	6, 39, 42, 43
Heteranthera	reniformis^a	Ruiz & Pavón	Pontederia-	Aq, p	Shallow FW, swamps, ricefields	PT, nES, niT	N & S.Amer	We?	5, 6, 9, 43, 49
Monochoria	korsakowii	Regel & Maack	Pontederia-	Aq, p	Ricefields	niT, Ru w,K,e	temp e Asia	We?	5, 9, 44
Pontederia	cordata^o	L.	Pontederia-	Aq, p	Shallow FW, swamps, reeds	sGB, niT, sCH	e N.Amer	Or	5, 6, 8, 9, 13
Agapanthus	praecox ^o	Willd.	Lilia-	sH, p	Maritime sand	sGB	S. Afr	Or	5, 8, 13
Allium	paradoxum ^c	(M.Bieb) G.Don	Lilia-	sH, p	River-banks	DK, DE, NL, GB, CzS	Caucasus	Pla	5, 13
Allium	sativum^c	L.	Lilia-	sH, p	Sea-shore/saltmarsh	GB	c Asia?	Pla	5, 9, 13
Allium	triquetrum^o	L.	Lilia-	sH, p	Stream sides	GB, Ire, PT	w Mediterr	Pla	5, 8, 9, 13
Aloe^{oo}	vera^o	(L.) Burm.fil.	Lilia-	sH, p	Maritime sand & rocks	PT, ES, IT, GR	ne Afr	Or	5
Asparagus	officinalis^c	L.	Lilia-	tH, p	Sea-shores	NO, SE, FI, Balt,	Eur	Pla	5, 9
Galanthus ^{oo}	nivalis ^o	L.	Lilia-	sH, p	Stream sides	NO, SE, FI, DK, NL, BE, GB, Ire	Eur	Or	5, 8, 13 +LID
Hemerocallis^{oo}	fulva^o	(L.) L.	Lilia-	tH, p	River-sides	(NO), (DK), DE, GB, FR, IT, CH, AT, CzS, Yug?, HU, RO, Ru c,w	se Alps, e Asia	Or	5, 8, 9, 13, 30, 33
"	"					(NO), (DK), DE, GB, FR, AT, CzS, HU, RO	China	Or	5, 8, 13, 30, 33
Hemerocallis	lilioasphodelus ^o	L.	Lilia-	tH, p	River-banks	(NO), (DK), DE, GB, FR, AT, CzS, HU, RO			
Kniphofia ^o	praecox ^o	Baker	Lilia-	tH, p	Maritime dunes	s&wGB	S.Afr	Or	8, 13
Kniphofia	rufa ^o	Leichtlin ex Baker	Lilia-	H, p	Maritime dunes	wGB	Afr?	Or	8, 13
Kniphofia	uvaria ^o	(L.) Oken	Lilia-	tH, p	Maritime dunes	s&wGB	S.Afr	Or	8, 13

CLASS and Genus	species	Author	Family	Habitus	Habitat	Established in: ()=occasional	Native in	Vector	References
Leucojum	aestivum ^o	L.	Lilia-	SAq, p	Marshes, reeds	DK, DE, ES	Eur	Or	5, 6, 9, 13
Leucojum	vernum	L.	Lilia-	sH, p	Stream-banks	NO, SE, DK, NL, GB	Eur	Or	5, 13, 15, 33
Crocossmia ^{oo}	pottsii ^o	(Macnab ex Baker) N.E.Br.	Irida-	tH, p	by rivers	nGB	S.Afr	Or	5, 8, 9, 13
Crocossmia	x crocossmiiflora ^o	(Lemoine) N.E.Br.	Irida-	tH, p	River-banks, sea cliffs	GB, Ire, FR, PT	S.Afr	Or	5, 8, 9, 13
Iris ^{oo}	ensata ^o	Thunb.	Irida-	SAq, p	Swamp	seGB, nwlT	e Asia	Or	5, 8, 13
Iris	sibirica ^o	L.	Irida-	tH, p	wet places	NO, SE, DK, GB	c Eur, s Asia	Or	5, 8, 13, 15, 30, 33
Iris	spuria ^o	L.	Irida-	tH, p	Salt-marshes, fens	GB, IT	Eur	Or	5, 8, 13, 15
Iris	versicolor ^o	L.	Irida-	SAq, p	Lake-shores, reeds	SE, DK, DE, GB	e N.Amer	Or	5, 6, 8, 9, 13
Iris	x robusta ^o	E.S.Anderson	Irida-	SAq, p	Reed swamp	GB	e N.Amer	Or	8, 13
Libertia ^o	formosa ^o	Graham	Irida-	tH, p	Rocky lakeshores	sGB, swlre	Chile	Or	8, 13
Sisyrinchium ^{oo}	bermudiana ^o	L.	Irida-	sH, p	Lake-shores	wlre, FR	e N.Amer	Or	5, 13
Cordylone	australis ^o	(G.Forst.) Endl.	Agava-	tT, p	Near swamps	GB, Ire	NZ	Or	8, 13
Phormium	cookianum ^o	LeJolis	Agava-	tT, p	Maritime rocks	swGB	NZ	Or	5, 8, 13
Phormium	tenax ^o	Forst. & G.Forst.	Agava-	SAq, p	Swamps, maritime rocks	GB, Ire, PT Az , nwES	NZ	Or	5, 8, 13, 53
Yucca	aloifolia ^o	L.	Agava-	tH, p	Brackish marshes, sand dunes	(IT)	se US	Or	5
Yucca	gloriosa ^o	L.	Agava-	tH, p	Brackish marshes, sand dunes	(GB), IT	se US	Or	5
Yucca	recurvifolia ^o	Salisb.	Agava-	tH, p	Sand dunes	swGB	se US	Or	8, 13

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