

LATVIJAS REPUBLIKAS VIDES AIZSARDZĪBAS UN REĢIONĀLĀS ATTĪSTĪBAS MINISTRIJA
NACIONĀLAIS BOTĀNISKAIS DĀRZS
MINISTRY OF THE ENVIROMENTAL PROTECTION AND REGIONAL DEVELOPMENT OF THE REPUBLIC OF LATVIA
NATIONAL BOTANIC GARDEN



NACIONĀLAIS BOTĀNISKAIS DĀRZS
S A L A S P I L S * L A T V I J A

INDEX SEMINUM
2021

LXVI (66)



Hylocereus undatus (Haw.) Britton&Rose

Salaspils 2021

Index Seminarum LXVI

anno 2021 collectorum, quae

HORTUS BOTANICUS NATIONALIS
SALASPILS, LATVIA

pro mutua commutatione offert

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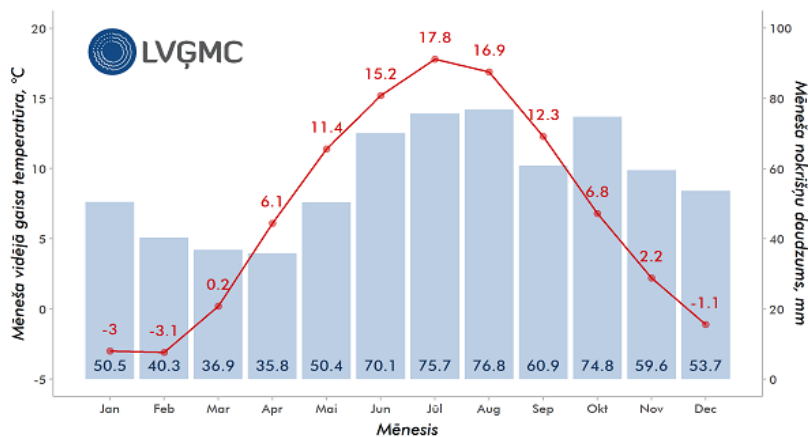
National Botanic Garden of Latvia is the largest botanical garden in the Baltic states. It covers an area of 126 ha. The collections exceed 14000 plant taxa (species, subspecies, varieties, forms, hybrids and cultivars). Scientists of the garden carry out investigations in plant acclimatisation, breeding, propagation, as well as floristical and taxonomical research.

Location of the garden:

Latitude: 56.8693

Longitude: 24.3591

Altitude: 14-26m s.m.



Mean temperature (°C) and precipitation (mm). (1991-2020)

Source: <https://videscents.lv/gmc.lv/>

Cover photo: E.Storostita

Note:

Plants with wild origin are marked with " *".

Seeds collected from plants cultivated in the National Botanic Garden

Seeds from woody plants

Collectors: Linda Bērtiņa, Aiva Bojāre, Daina Roze, Romans Strelčūns, Linda Strode, Andrejs Svilāns, Iveta Zuja

PINOPHYTA

Pinaceae								
1	Abies	balsamea	(L.) Mill.		US	South Hadley, HB Coll: Mt. Moosilauke, New Hampshire*	*	1995
2	Abies	grandis	(Dougl. ex D.Don) Lindl.		US	Washington, Nat Arb: Wash. o.c. *	*	1983
3	Abies	holophylla	Maxim.		RU	Or. Extr., Vladivostok HBA, pars reserv.*	*	1982
4	Abies	lasiocarpa	(Hook.) Nutt.		US	Washington, Nat Arb: Oregon, Union County*	*	1978
5	Abies	lasiocarpa	(Hook.) Nutt.	var. arizonica (Merriam) Lemmon	LV	Jaunkalsnava, St Expl Silv Kalsnava		1981
6	Abies	nephrolepis	(Trautv.) Maxim.		RU	Or. Extr., prov. Primorskij, Hualaz *	*	1961
7	Abies	nephrolepis	(Trautv.) Maxim.		RU	Or. Extr., prov. Primorskij, Hualaz, ad riv. Smoljanyj*	*	1982
8	Abies	nephrolepis	(Trautv.) Maxim.		RU	Barnaul, I Invest Horticult Sib		1997
9	Abies	sachalinensis	(Fr.Schmidt) Mast.		RU	Or. Extr., ins. Sachalin, Ohotskoje*	*	1980
10	Abies	x phanerolepis	(Fernald) T.S.Liu		LV	Liepāja distr., Kazdanga, park		1959
11	Picea	engelmannii	Parry ex Engelm.		FI	Helsinki, HBU: CA, B.C., Clearwater-Wells Gray area, at km 21 of Vavenby-Lake Adams road SE of Clearwater*, 1095m s.m. (51,35'N, 119,35'W)	*	1996
12	Picea	glehnii	(Fr.Schmidt) Mast.		RU	Or.Extr., ins. Kurilae, Kunashir, ad ripas fluminis Kislaja reka*	*	1980
13	Picea	jezoensis	(Siebold & Zucc.) Carriere		RU	Or.Extr., ins. Sachalin, mons Czehovi*	*	1962
14	Picea	jezoensis	(Siebold & Zucc.) Carriere		RU	Or.Extr., prov. Chabarovsk, distr. Chabarovsk, praedium saltuarium Lesoparkovoje, jugum Bolshe-Chetsirskij*	*	1982
15	Picea	jezoensis	(Siebold & Zucc.) Carriere		RU	Or.Extr., ins. Sachalin, Ohotskoje*	*	1980
16	Picea	koyamai	Shiras.		LV	Jelgava, K.Balams: Ramats, 1939		1960
17	Picea	mariana	(Mill.) Britt., Sterns & Poggenb.		CA	Niagara Falls, HB: Southwestern Ontario*	*	2005
18	Picea	obovata	Ledeb.		RU	Or. Extr., prov. Chabarovsk, distr. Chabarovsk, praedium saltuarium Lesoparkovoje, jugum Bolschechtsirskij*	*	1982
19	Picea	rubens	Sarg.		FI	Maisala, I Explor Silv: Canada, New Brunswick*, 45.40'N, 66.40'W, 15m s.m.		1986
20	Picea	sitchensis	(Bong.) Carriere		LV	Jaunkalsnava, St Expl Silv Kalsnava: Arb Jurgukalns		1980
21	Pinus	armandii	Franch.		SK	Slepčany, Arb Mlynany		2000
22	Pinus	banksiana	Lamb.		FI	Maisala, I Explor Silv: Canada, Saskatchewan, Lac La Rouge*(55.12'N, 105.18'W), 360m s.m.	*	1986
23	Pinus	koraiensis	Siebold & Zucc.		RU	Or. Extr., prov. Primorskij, Okeanskaja, prope Vladivostok HBA*	*	1982
24	Pinus	parviflora	Siebold & Zucc.		JP	Kobe, Munic Arb		1994

25	Pinus	peuce	Griseb.		LV	Aizkraukle distr., Skrīveri, Arb		1958
26	Pinus	pungens	Lamb.		CZ	Plzen, Arb Sofronka: Buncombe County, North Carolina*	*	1991
27	Pinus	rigida	Mill.		CA	Montreal, HB: prov. Quebec*	*	1991
Taxaceae								
28	Taxus	canadensis	Marshall		RU	St-Petersburg, HBIB		1990
29	Taxus	cuspidata	Siebold & Zucc.		RU	Or. Extr., ins. Sachalin, Krasnojarskoje*	*	1978
MAGNOLIOPHYTA								
Aceraceae								
30	Acer	mandshuricum	Maxim.		RU	Or. Extr., Okeanskaja, in silva*	*	1962
31	Acer	mono	Maxim.	var. mayrii (Schwerin) Nakai	RU	Or. Extr., ins. Sachalin, prope Nevelsk*	*	1977
32	Acer	sieboldianum	Miq.		BY	Minsk, HBA		1973
33	Acer	spicatum	Lam.		LV	Liepāja distr., Kazdanga		2001
34	Acer	tschonoskii	Maxim.	ssp. koreanum Murray	RU	Or. Extr., prov. Primorskij, Reserv. Kedrovaja Padj, Zolotoj Kljucz*	*	1983
Actinidiaceae								
35	Actinidia	giraldii	Diels		RU	Gornotajozhnoje, Arb St Mont Taig		2006
Adoxaceae								
36	Sambucus	canadensis	L.		US	East Lansing, HBU Mich: USA, MI, Clinton County*, 42°47'54,6"N, 84°22'24"W, 265m s.m.	*	2012
37	Viburnum	furcatum	Blume ex Maxim.		RU	Or. Extr., ins. Sachalin, Nevelsk*	*	1980
38	Viburnum	opulus	L.	var. americanum Aiton	US	East Lansing, HBU Mich: USA, MI, Ingham County, Souther Floodplain Forest, Legg Par floodplain*, 256 m s.m., 42°42' N84°23' W	*	2009
39	Viburnum	sargentii	Koehne		RU	Or. Extr., reserv. Kedrovaja Padj*	*	1962
40	Viburnum	wrightii	Miq.		LV	Salaspils, HB Nat: Or. Extr., ins. Kurilenses, Kunashir, Mendelejevo, 16 km		1980
Anacardiaceae								
41	Cotinus	obovatus	Raf.		RO	Cluj- Napoca, HBU		2003
Aristolochiaceae								
42	Aristolochia	manshuriensis	Kom.		RU	Gornotajozhnoje, Arb St Mont Taig		2006
Araliaceae								
43	Eleutherococcus	senticosus	(Rupr. & Maxim.) Maxim.		RU	Or. Extr., ins. Sachalin, Juzhnosachalinsk, mons Sovetskaja*	*	1981
Berberidaceae								
44	Berberis	aetnensis	C.Presl		CH	Chambesy/ Geneve, HB*	*	2010
45	Berberis	bretschneideri	Rehder		NL	Wageningen, HBU Agr		1965
46	Berberis	johannis	Ahrendt		PL	Kornik, Arb		1978
47	Berberis	tischleri	C.K.Schneid.		SE	Göteborg, HB: Pakistan*		1985
48	Berberis	tschonoskyana	Regel		JP	Kyoto, I Sylv		1998
49	Berberis	wilsonae	Hemsl.		SE	Stockholm, HB		2013
Betulaceae								
50	Alnus	maritima	(Marsh.) Muhl. ex Nutt.		US	Washington, Nat Arb: Dorchester County, Maryland*, 5m s.m., 38,32'N, 75,88'W	*	1997
51	Carpinus	caroliniana	Walter		CA	Toronto, HBU: Canada*	*	1996
52	Carpinus	caroliniana	Walter	subsp. virginiana (Marshall) Furlow	CA	Montreal, HB: Canada orientalis*	*	1982

53	Carpinus	cordata	Blume		RU	Or. Extr., prov. Primorskij, distr. Shkotovenskiy, praedium saltuarium Novomoskovskoje, in loco Glubokoje*, 150m s.m.	*	1983
Bignoniaceae								
54	Catalpa	speciosa	Warder ex Engelm.		GE	Batumi, HBA		1978
Calycanthaceae								
55	Calycanthus	occidentalis	Hook. & Arn.		FR	Lyon, HB		1985
Caprifoliaceae								
56	Abelia	coreana	Nakai		RU	Or. Extr., reserv. Kedrovaja Padj*	*	1960
57	Abelia	mosanensis	Cheng ex Nakai		KP	Pyongyang, HB		1973
58	Lonicera	caucasica	Pallas		RU	Machaczkala, HB Mont: spontaneum in diverensis regionibus Daghestaniae lecta: regions montare*	*	1999
59	Lonicera	kamtchatica	(Sevast.) Pojark.		RU	Sa, HB Nat, 87: Or. Extr., Sachalin, Juzhnosachalinsk, 65		1987
60	Lonicera	vesicaria	Kom.		KR	Chollipo, Arb		2001
Celastraceae								
61	Euonymus	latifolius	(L.) Mill.		RU	Mosqua, HBP: Caucasus Occidentalis*	*	1961
62	Euonymus	maackii	Rupr.		RU	Or. Extr., Svobodnij, St Expl Silv Amurensis: distr. Chabarovsk*	*	1961
63	Euonymus	macropterus	Rupr.					
64	Euonymus	sachalinensis	(Fr.Schmidt) Maxim.		RU	Or. Extr., reserv. Kedrovaja Padj*	*	1962
65	Euonymus	sieboldianus	Blume		RU	Or. Extr., Sachalin, mons Czechovi*	*	1981
66	Euonymus	verrucosus	Scop.		LV	Aizkraukle distr., Skrīveri, Arb		1970
Cornaceae								
67	Cornus	drummondii	C.A.Mey.		US	Kirtland, Holden Arb: Ohio, Erie*	*	1999
68	Cornus	officinalis	Siebold & Zucc.		HU	Szeged, HBU		2006
69	Cornus	racemosa	Lam.		JP	Sendai, HBU		1983
70	Cornus	racemosa	Lam.		PL	Kornik ad Poznan, Arb		1962
71	Cornus	rugosa	Lam.		US	East Lansing, HBU Mich: Michigan, Mackinac County, rocky bluff above lake Michigan*	*	1983
Ericaceae								
72	Elliottia	bracteata	(Maxim.) Benth. & Hook.f.		JP	Sendai, HBU		1985
73	Enkianthus	campanulatus	(Miq.) G.Nicholson	var. palibinii (Craib.) Bean	JP	Nikko, Tokyo HBU: Nikko		1975
74	Enkianthus	chinensis	Franch.		UK	Dorset, Knoll Gard		1985
75	Lyonia	ligustrina	(L.) DC.		US	Washington, Nat Arb: Anne Arundel County, Maryland*	*	1979
76	Pieris	floribunda	(Pursh ex Sim.) Benth. & Hook. fil.		LV	Salaspils, HB Nat		2004
77	Rhododendron	calendulaceum	(Michx.) Torr.		US	Washington, Nat Arb: Michell County, North Carolina*	*	1983
78	Rhododendron	maximum	L.		US	Guelph, Arb U: USA, Pennsylvania, Clearfield Co*, 41,13'N, 78,30'W	*	1985
79	Rhododendron	prinophyllum	(Small) Millais		US	Washington, Crossing, Wildflower Preserve		1991
80	Rhododendron	vaseyi	A.Gray		RU	Mosqua, HBP: USA, expedition*	*	1984
Leguminosae								
81	Genista	radiata	(L.) Scop.		CH	Neuchatel, HBU		1971
82	Caragana	aurantiaca	Koehne		KZ	Alma-Ata, HBA		1989

83	Caragana	x sophorifolia	Tausch.		FR	Nogent-Sur-Vernisson, Arb Barres & Frutic Vilmorinianum		1979
84	Laburnum	alpinum	(Mill.) Bercht. & J.Presl.		FR	Champex, H Alp: Valais*, 900m s.m.	*	1971
85	Lembotropis	nigricans	(L.) Griseb.		DE	Klagenfurt, HB: Klagenfurt-Land, NE Pischeldorf, Christofberg, 900 m s.m. *, N 46° 24' 45" E 14° 28' 32"	*	2010
86	Lespedeza	bicolor	Turcz.		JP	Sa, HB Nat: Kyoto		2007
87	Petteria	ramentacea	(Sieber) C.Presl					
88	Sophora	flavescens	Aiton		RU	St-Petersburg, HBIB		2007
Fagaceae								
89	Castanea	pumila	(L.) Mill.		US	Rochester, Parks Herb		1981
90	Quercus	dentata	Thunb.		RU	Or. Extr., prov. Primorskij, distr. Partizanskensis, Czandalaz*	*	1982
91	Quercus	ilicifolia	Wangh.		US	Lisle, Morton Arb: Martha's Vineyard, West Tisbury, Massachusetts*, 41°24'31.49"N, 70°37'21.27"W, 21m s.m.	*	2008
Hamamelidaceae								
92	Fothergilla	gardenii	L.		DE	Frankfurt a. M., Palmgarten		2006
93	Fothergilla	major	(Sims) Lodd.		SI	Ljubljana, HBU		1998
94	Hamamelis	virginiana	L.		CA	Guelph, Arb: Haldimand-Norfolk Reg., N.Washington Tp. *, 183m s.m., 42,42'N, 88,34'W	*	1988
Hydrangeaceae								
95	Hydrangea	arborescens	L.		US	South Hadley, HB Coll: Pisgah National Forest, North Carolina*, 1844m s.m.	*	2006
96	Hydrangea	paniculata	Siebold		JP	Okamoto, Ofuna HB: Hakone Sengonubara*, 600-800m s.m.	*	2001
97	Philadelphus	satsumi	Siebold ex Lindl. & Paxton		JP	Toyama, HB*: wild origin without location indicated	*	2008
Hypericaceae								
98	Hypericum	densiflorum	Pursh		LT	Kaunas, HB		2011
99	Hypericum	frondosum	Michx.		CA	Niagara Falls, HB		1995
100	Hypericum	kalmianum	L.		DE	Berlin-Dahlem, HB		1975
101	Hypericum	prolificum	L.		US	West Hill, HZ: Essex County, Sandwich W*, 42,14'N, 83,02'W, 180m s.m.	*	1994
Magnoliaceae								
102	Magnolia	kobus	DC.		LV	Rīga, HBU		2001
103	Magnolia	salicifolia	W.B.Clarke		KR	Chollipo, Arb		1998
104	Magnolia	stellata	(Siebold & Zucc.) Maxim.		PL	Rogow, Arb		2000
Moraceae								
105	Morus	alba	L.		RU	Gornotajozhnoje, Arb St Mont Taig		2007
106	Morus	australis	Poir.		RO	Cluj- Napoca, HBU Agr		1963
107	Morus	rubra	L.		EE	Järvselja		2007
Myricaceae								
108	Myrica	pensylvanica	Loisel.		DE	Leipzig, HBU		2012
Oleaceae								
109	Chionanthus	virginicus	L.		US	Northampton, HB Smith College		1979
110	Syringa	wolfii	C.K.Schneid.		RU	St-Petersburg, HBIB		1956
Ranunculaceae								
111	Clematis	chinensis	Osbeck		RU	Dnepropetrovsk, HBU		2014
112	Clematis	koreana	Kom.		DE	Göteborg, HB		2010

113	Clematis	vitalba	L.		PL	Wroclaw, H Plant Med: Wroclaw edge of the forest*, 51°07'N 17°05'E	*	2012
Rhamnaceae								
114	Ceanothus	americanus	L.		AT	Wien, HBU		1999
115	Ceanothus	americanus	L.		US	South Hadley, HB Coll: Granby, Massachusetts* (360')	*	2007
Rosaceae								
116	Aronia	prunifolia	(Marshall) Rehder		AT	Graz, HBU		2015
117	Holodiscus	discolor	(Pursh) Maxim.		EE	Tallinn, HBA		2006
118	Prunus	maximowiczii	Rupr.		RU	Or.Extr., ins. Kurilenses, Iturup, Kurilsk*	*	1977
119	Prunus	choreiana	Nakai ex T. Kawamoto		KP	Pyongyang, HB		1978
120	Sorbus	alnifolia	(Siebold & Zucc.) K.Koch		RU	Or. Extr., prov. Primorskij, Ljanczihe-Shamora, Bogataja Griva*	*	1983
121	Sorbus	alnifolia	(Siebold & Zucc.) K.Koch		RU	Or. Extr., prov. Primorskij, Vladivostok, Pesczanij, in declivibus lapidosus collium, 20-80m s.m.*	*	1983
122	Sorbus	alnifolia	(Siebold & Zucc.) K.Koch		RU	Or. Extr., prov. Primorskij, Glubokoje*	*	1982
123	Sorbus	ambigua	Michalet		IS	Reykjavik, HB		2007
124	Sorbus	amurensis	Koehne		RU	Or. Extr., Prov. Primorskij, Vladivostok, Shamora*	*	1982
125	Sorbus	amurensis	Koehne		RU	Or. Extr., prov. Chabarovsk, distr. Chabarovsk, praedium saltuarium Lesoparkovoje, Bolshe-Chehtsirskij*	*	1982
126	Sorbus	bristoliensis	J.Wilmott		UK	Bristol, HBU: Avon Gorge, Avon*	*	1978
127	Sorbus	caucasica	Zinserl.		RU	Stavropol, HBI Agr		1962
128	Sorbus	chamaemespilus	(L.) Crantz		AT	Salzburg, HBU: Salzburg, Strobl SW, Bleckwand SW*, 1410m s.m.	*	1988
129	Sorbus	commixta	Hedl.		RU	Or. Extr., ins. Sachalin, mons Czechovi*	*	1978
130	Sorbus	commixta	Hedl.		RU	Or. Extr., ins. Sachalin, Juzhnosachalinsk, collis Sovetskaja*	*	1978
131	Sorbus	decora	(Sarg.) C.K.Schneid.		CA	Montreal, HB: Canada orientalis*	*	1962
132	Sorbus	decora	(Sarg.) C.K.Schneid.		UK	Lisle, Arb		1963
133	Sorbus	hybrida	L.		LV	Ventspils distr., Staldzene		2001
134	Sorbus	porrigentiformis	E.F.Warburg		UK	Liverpool, HBU: Wales, Gwynedd, above Menai Strait*		1986
135	Sorbus	semi-incisa	Borbas		NL	Wageningen, HBU		1982
136	Sorbus	subcuneata	J.Willm.		UK	Liverpool, HBU: UK, N.Devon, Watersmeet*	*	1986
137	Sorbus	subfusca	(Ledeb.) Boiss.		RU	St-Petersburg, HBIB: Caucasus, Reserv Teberdskij, ad forter fl. Alibek*	*	1980
138	Sorbus	tormalis	(L.) Crantz		DE	Regensburg, HBU		1985
139	Spiraea	alba	Du Roi	var. latifolia (Aiton) Dippel	CA	Montreal, HB: Canada orientalis*	*	1960
Rutaceae								
140	Phellodendron	amurense	Rupr.		RU	St-Petersburg, HBA Silv-T		1957
141	Phellodendron	amurense	Rupr.	var. sachalinense Fr.Schmidt	RU	Or. Extr., ins. Sachalin, distr. Nevelskensis, Schebunino*	*	1978
142	Phellodendron	chinense	C.K.Schneid.		CA	Toronto, HBU		1963
Staphyleaceae								
143	Staphylea	bumalda	DC.		JP	Kyoto, HB*	*	2002

144	Staphylea	pinnata	L.		RU	Kaliningrad, HBU		1964
145	Staphylea	trifolia	L.		US	East Lansing, HBU Mich: USA, MI, Ingham County, Mesic Southern Forest, Sanford Woodlet, 87° 27'W, 42° 43' N, 253m s.m.*	*	2002
Theaceae								
146	Stewartia	pseudocamellia	Maxim.		EE	Ellamaä, Nurga Puukool		2007
147	Stewartia	pseudocamellia	Maxim.	var. koreana (Nakai) Sealy	PL	Rogow, Arb		1987
Vitaceae								
148	Ampelopsis	glandulosa	(Wall.) Momiy.	var. brevipendunculata (Maxim.) Momiy.	JP	Okamoto, Ofuna HB*: Hakone Sengonubara, Alt. 600-800m	*	2003

Seeds from herbaceous plants

Collectors: Baiba Eisaka, Irēna Gūtmane, Arnis Seisums

Alliaceae								
149	Allium	flavum	L.		CZ	Praha, E.Hanslik, (MK: Mt.Pilister)	*	2012
150	Allium	karataviense	Regel	'Ivory Queen'				
151	Allium	materculae	Bordz.		TR	Igirdir - Tuzluca	*	2004
152	Allium	platycaule	S.Watson		SE	Göteborg, HB (US:EC Oregon)	*	2012
153	Allium	pseudobodeanum	Regel		IR	Tehran, HB Nat	*	2011
154	Allium	sibtorphanum	Schult.f.		TR	Uludag, 2200m s.m.	*	2011
155	Allium	tripedale	Trautv.		AM	Mt. Aragats, Kasah valley	*	1988
156	Allium	unifolium	Kellog	'Eros'	NL	W.W.de Goede		2014
Amaryllidaceae								
157	Galanthus	fosteri	Baker		SY	E of Slunfeh	*	1994
158	Galanthus	lagodechianus	Kem.-Nath.		AZ	SW of Quba village, 1450m s.m.	*	2016
159	Galanthus	plicatus	M.Bieb.		UA	Crimea	*	
160	Narcissus	bulbocodium	L.	subsp. obovatus	PT	near Sintra	*	1992
Apiaceae								
161	Meum	athamanticum	Jacq.		DE	Dresden, HBTU		1965
Apocynaceae								
162	Amsonia	hubrichtii	Woodson					2012
163	Amsonia	tabernaemontana	Walter		AT	Wien, H Alp im Belveder		1977
Asclepiadaceae								
164	Asclepias	tuberosa	L.		LV	distr. Ventspils, Pope, "Bērziņi"		2010
Asteraceae								
165	Antennaria	plantaginifolia	(L.) Hook.		NL	Wageningen, HBA		1976
166	Arnica	angustifolia	A.Grey		RU	Kursk, H Alp		2020
167	Arnica	sachalinensis	(Regel) A.Gray		CZ	Brno, HU Plant.Med		2020
168	Aster	tongolensis	Franch.	'Berggarten'	NL	Van Tubergen		1977
169	Buphthalmum	salicifolium	L.		AT	Wien, H Alp im Belveder		1979
170	Echinacea	purpurea	(L.) Moench		SL	Zalec, Plant Med		2010
171	Echinacea	purpurea	(L.) Moench	'White Lustre'	DE	Krefeld, HB		1995
172	Helenium	aromaticum	(Hook) L.H. Bailey		CH	Zürich, HBU		2020
Berberidaceae								
173	Sinopodophyllum	hexandrum	(Royle) T.S.Ying		CZ	Liberec, HB		1989
174	Sinopodophyllum	hexandrum	(Royle) T.S.Ying		DE	Kiel, HBU		1988
Bignoniaceae								
175	Incarvillea	delavayi	Bureau & Franch.	seedling of 'Snowtop'	DE	Bielefeld, HB		2019

176	Incarvillea	sinensis	Lam.		CZ	Teplice, HB		2020
177	Incarvillea	zhongdianensis	Grey-Wilson		NO	Bergen, HBU		2014
Brassicaceae								
178	Aurinia	saxatilis	(L.) Desv.		DE	Stuttgart-Hohenheim, HBU		2002
Caryophyllaceae								
179	Dianthus	knappii	Asch. ex Nyman					2004
180	Dianthus	petraeus	Waldst. & Kit.	subsp. petraeus	DE	Frankfurt, HBU		1995
181	Lychnis	flos-cuculi	L.		DE	Konstanz, HBU		2021
182	Silene	pusilla	Waldst. & Kit.		DE	Braunschweig, HBTU		2015
183	Silene	uniflora	Roth		HU	Budapest, Hardy Plant Soc		2015
184	Silene	zawadskii	Herbich		DE	Braunschweig, HBTU		2015
Colhicaceae								
185	Colchicum	autumnale	L.		UA	Karpathian montains	*	1962
Crassulaceae								
186	Rhodiola	rosea	L.		JP	Sapporo, HBU		2003
Fumariaceae								
187	Dicentra	spectabilis	Lem.	'Valentine'	LV	distr. Ventspils, Pope, "Bērziņi"		2014
Geraniaceae								
188	Geranium	ibericum	Cav.		RU	Mosqua, HBP		1992
Gesneriaceae								
189	Ramonda	myconi	(L.) Rchb.		LV	Jelgava		1979
Hemerocallidaceae								
190	Hemerocallis	esculenta	Koidz.		RU	Mosqua, HBU: RU, Oriens extremus, ins. Sachalin	*	1969
191	Hemerocallis	minor	Mill.		LV	Riga, HBU		1987
Hostaceae								
192	Hosta	minor	Nakai					2017
Hyacinthaceae								
193	Bellevalia	romana	Sweet		UK	J.Archibald: IR: Sanandaj*		2004
194	Dipcadi	serotinum	L.Medik.		ES	Alcada, HB: Marina Beach*		2008
195	Muscari	armeniacum	Baker	'Heaven'	SE	Göteborg, HB (RU:Krasnodarsk distr.,prope Galandzhik)	*	2009
196	Muscari	aucheri	Baker	'Mount Hood'	NL	C.H. van den Berg B.V.		2009
197	Muscari	azureum	Fenzl					
198	Muscari	bourgaei	Baker		TR	Mt. Uludag	*	2011
199	Muscari	grandifolium	Baker		UK	J.Archibald: MO: Middle Atlas*		
200	Muscari	latifolium	J.Kirk		TR	Mt. Ida	*	2011
201	Muscari	neglectum aff.	Guss. ex Ten.		IR	Elburs	*	2016
202	Muscari	pseudomuscari	(Boiss. & Buhse) Wendelbo		IR	Elburs: Nur-Siabisheh	*	2011
203	Muscari	sintensisii	Frey		TR	Ilgaz Dagi	*	
204	Muscari	vuralii	Bağci & Doğu		TR	Dodegol Dag	*	2016
205	Ornithogalum	nutans	L.		TR	Elmali - Seki	*	2005
206	Scilla	hyacintoides	L.		TR	Siirt: betw. Kurtalan & Besiri, 500m s.m.	*	2011
207	Scilla	persica	Hauskn.		UK	J.Archibald: IR: SE Sanandaj*		
208	Scilla	scilloides	(Lindl.) Druce		LV	Riga		
Hypericaceae								
209	Hypericum	ascyron	L.		RU	Mosqua, VILAR		2012
Iridaceae								
210	Gladiolus	imbricatus	L.	f. albiflorum	LV	estuary of riv. Lielupe	*	2020
211	Iris	stolonifera	Maxim.		UZ	SW: nr. Sina village	*	1998
212	Romulea	bulbocodium	(L.) Sebast. & Mauri		SY	E of Slunfeh	*	2002

Lamiaceae								
213	Dictamnus	albus	L.					2003
214	Nepeta	wilsonii	Duthie		DE	Regensburg, HBU		2021
215	Phlomis	russeliana	Lag. ex Benth.		LV	Riga, HBU		2008
216	Salvia	verticillata	L.		DE	Regensburg, HBU		2020
217	Stachys	officinalis	L.		PL	Krakow, HB Med		2020
Leguminosae								
218	Baptisia	australis	(L.) R.Br.		US	Washington, Crossing, Wildflower Preserve		1991
Liliaceae								
219	Asparagus	officinalis	L.					
220	Eremurus	robustus	Regel		LV	Tukums		2012
221	Fritillaria	acmopetala	Boiss.		NL	Van Tubergen		1980
222	Fritillaria	affinis	(Schult. & Schult.fil.) Sealy		GB	J.Archibald		2019
223	Fritillaria	camschahtcensis	(L.) Ker.-Gawl.		RU	ins. Sachalin, prope pagum Tomari	*	2012
224	Fritillaria	caucasica	Adams		AM	Mt. Aragats	*	2012
225	Fritillaria	eduardii	Regel		TJ	jugum Hissaricum, in valle Harangon	*	1990
226	Fritillaria	meleagris	L.	'Orion'				2003
227	Fritillaria	michailovskyi	Fomin		TR	NE: Tenderek Gecidi	*	1992
228	Fritillaria	pallidiflora	Schrenk		EE	Tallin, HBA: KZ, Dzhungarian Alatau	*	1990
229	Fritillaria	raddeana	Regel		IR	Golestan Forest	*	2017
230	Fritillaria	raddeana	Regel		TM	Kopet-Dagh	*	1990
231	Tulipa	sprengeri	Baker					
Linaceae								
232	Linum	austriacum	L.		DE	Mainz, HBU		2020
233	Linum	usitatissimum		'Gold Dream'	CZ	Brno, HU Plant.Med		2021
Malvaceae								
234	Malva	moschata	L.		DE	Berlin, Arb		2020
Melanthiaceae								
235	Trillium	albidum	J.D.Freeman	subsp. parviflorum (V.G.Soukup) K.L.Chambers & S.C. Meyers	SE	Göteborg, HB		1993
Paeoniaceae								
236	Paeonia	humilis	Retz.		SE	Upsala, HBU		1972
Polemoniaceae								
237	Polemonium	caeruleum	L.		FR	Rennes, BD		2020
238	Polemonium	yezoense	(Miyabe & Kudô) Kitam.	'Purple Rain'	DE	Weinheim, HB		2020
Primulaceae								
239	Dodecatheon	meadia	L.		DE	Frankfurt, BG		2015
240	Primula	ruprechtii	Kusn.		AM	Mt. Majmech	*	2009
241	Primula	warshenewskiana	B.Fedtsch.		CZ	Teplice, HB		2019
242	Soldanella	alpina	Kress		CZ	Tatri	*	2000
Ranunculaceae								
243	Actaea	rubra	(Aiton) Willd.		RU	Mosqua, HBP		1982
244	Clematis	recta	L.		RO	Bukuresti, HBU		1972
245	Ranunculus	lanugenosus	L.					2004
246	Thalictrum	aquilegifolium	L.		GB	Thomson & Morgan		2020
Rosaceae								
247	Potentilla	nepalensis	Hook.	'Roxana'	SK	Bratislava, HBU		1995

Rutaceae							
248	Ruta	graveolens	L.		HU	Budapest, HBU	1980
Saxifragaceae							
249	Saxifraga	paniculata	Mill.				
Cuttings from greenhouse plants							
<i>Collectors: Evita Gaile, Zane Purne, Oskars Vanags</i>							
Asteraceae							
250	Senecio	articulatus	(L.fil.) Sch.Bip.		RU	Mosqua, HBU Agr	1987
251	Senecio	citriformis	Rowleyanus		BE	Liege, HBU	1984
252	Senecio	herreianus	Dinter		LV	Rīga, HBU	1957
253	Senecio	jacobsenii	Rowleyanus		EE	Tallinn, HBA	1966
254	Senecio	macroglossus	DC.	'Variegatus'			
255	Senecio	macroglossus	DC.				
256	Senecio	medley-woodii	Hutch.		EE	Tallinn, HBA	1988
257	Senecio	radicans	Sch.Bip.				
258	Senecio	rowleyanus	Jacobsen		EE	Tallinn, HBA	1976
259	Senecio	serpens	Rowley		LV	Rīga, HBU	1957
260	Senecio	stapeliaeformis	Phillips		DE	Dresden, HBTU	1980
261	Senecio	tropaeolifolius	MacOwan		EE	Tallinn, HBA	1988
Cactaceae							
262	Harrisia	bonplandii	(Parm.) Britton & Rose		DE	Tübingen, HBU	1997
263	Harrisia	martini	(Labour.) Britton & Rose		CH	Zürich, Stadt Sukkul	2000
264	Harrisia	pomanensis	(F.A.C.Weber ex K.Schum.) Britton & Rose		AR	Bynnon	2003
265	Harrisia	quelichii	(Speg.) Britton & Rose		DE	Tübingen, HBU	1997
266	Rhipsalis	aureziana			NO	Bergen, HBU	1981
267	Rhipsalis	cassutha	Gaertn.		EE	Tallinn, HBA	1979
268	Rhipsalis	cereuscula	Haw.		DE	Karlsruhe, HBU	1962
269	Rhipsalis	clavata	F.A.C.Weber		IT	Trana, HB REA	1986
270	Rhipsalis	cribrata	Lem.		DE	Berlin, Arb	1996
271	Rhipsalis	hadrosoma	G.Lindb.		FR	Dijon, HB	1988
272	Rhipsalis	heptagona	Rauh & Backeb.				
273	Rhipsalis	heteroclada	Britton & Rose		DE	Berlin, Arb	1996
274	Rhipsalis	lumbricoides	(Lem.) Lem.		DE	Wilhelmshaven, HB	1988
275	Rhipsalis	pachyptera	Pfeiff.		NO	Bergen, HBU	1973
276	Rhipsalis	penduliflora	N.E.Br.		IT	Trana, HB REA	1986
277	Rhipsalis	platycarpa	Lem.		NO	Bergen, HBU	1981
278	Rhipsalis	roseana	A.Berger		DE	Karlsruhe, HBU	1980
279	Rhipsalis	teres	(Vell.) Steud.		LV	Rīga, HBU	1958
Commelinaceae							
280	Callisia	elegans	Alexander ex H.E.Moore		PL	Lodz, HB	2015
281	Callisia	fragrans	(Lind.) Woodson				
282	Cyanotis	somaliensis	C.B.Clarke		UA	Kiyv, HBA	1989
283	Tradescantia	sillamontana	Matuda		DE	Berlin, Arb	2002

Crassulaceae							
284	Aeonium	castello-paivae	Bolle		EE	Tallinn, HBA	1989
285	Aeonium	ciliatum	Webb & Berthel.		DE	Krefeld, HB	2012
286	Aeonium	decorum	Webb ex Bolle		DE	Erlangen, HBU	1984
287	Aeonium	lindleyi	Webb & Berthel.		DE	Berlin-Dahlem, HB	1963
288	Aeonium	webbii	Bolle				
289	Cotyledon	tomentosa	Harv.		CH	Zürich, Stadt Sukkul	1987
290	Crassula	arborescens	(Mill.) Willd.		BE	Gent, HBU	1963
291	Crassula	lactea	Sol.ex Aiton		DE	Karlsruhe, HBU	1962
292	Crassula	lycopodioides	Lam.	'Monstrosa'	DE	Duisburg, HB	1963
293	Crassula	lycopodioides	Lam.	var. lycopodioides	LV	Rīga, HBU	1958
294	Crassula	lycopodioides	Lam.	var. pseudolyco- podioides (Dinter & Schinz) E.Walther f. fragilis J.A.Huber	NL	Wageningen, I Hort	1971
295	Crassula	lycopodioides	Lam.	var. purpusii Jacobsen	DE	Duisburg, HB	1963
296	Crassula	lycopodioides	Lam.	var. variegata Lamb	HU	Vacratot, HBA	1966
297	Crassula	lycopodioides	Lam.	var. viridis Berger	BE	Antwerpen, HB	1962
298	Crassula	multicava	Lem.		RO	Cluj-Napoca, HBU Agr	1967
299	Crassula	nealiana	V.Higgins		NL	Wageningen, I Hort	1971
300	Crassula	obliqua	Sol.ex Aiton		LV	Rīga, HBU	1958
301	Crassula	ovata	E.Mey. ex Harv. & Send.	'Gollum'			
302	Crassula	ovata	E.Mey. ex Harv. & Send.	'Tricolor'			
303	Crassula	perforata	Thunb.	'Giant Pagoda'	NL	Wageningen, I Hort	1971
304	Crassula	perforata	Thunb.		DE	München, HB	1974
305	Crassula	portulacea	Lam.		LV	Rīga, HBU	1958
306	Crassula	rattrayi	Schönland & Baker.fil.		EE	Tallinn, HBA	1963
307	Crassula	rupestris	Thunb.		FL	Turku, HBU	1962
308	Crassula	sarmentosa	Harv.		LV	Rīga, HBU	1966
309	Crassula	spathulata	Thunb.		LV	Rīga, HBU	1963
310	Crassula	tetragona	L.		RU	Mosqua, HBP	1963
311	Crassula			'Tom Thumb'	NL	Wageningen, I Hort	1972
312	Kalanchoe	daigremontiana	Raym.-Hamet & H.Perrier				
313	Kalanchoe	manginii	Raym.-Hamet & J.O.E.Perrier		CH	Basel, HBU	1978
314	Kalanchoe	millotii	Raym.-Hamet & H.Perrier				
315	Kalanchoe	nyikae	Engl.		CH	Zürich, Stadt Sukkul	2005
316	Kalanchoe	pinnata	(Lam.) Pers.		NL	Rotterdam, HZB	1997
317	Kalanchoe	tomentosa	Baker		RO	Cluj-Napoca, HBU Agr	2009
318	Kalanchoe	tubiflora	(Harv.) Raym.-Hamet				
319	Kalanchoe	uniflora	Raym.-Hamet				
320	Monanthes	amydros	Svent.		EE	Tallinn, HBA	1979
321	Monanthes	anagensis	Praeger		BE	Gent, HBU	1975
322	Monanthes	polyphylla	Haw.		LV	Rīga, HBU	1958
323	Pachyphytum	hookeri	(Salm-Dyck) Berger		RU	St-Petersburg, HBIB	1968
324	Sedum	allantoides	Rose		LV	Rīga, HBU	1961

325	Sedum	burrito	Moran		PL	Wroclaw, HBU	2001
326	Sedum	clavifolium	Rose		BE	Liege, HBU	1983
327	Sedum	compactum	Rose		UA	Kiyv, HBA	1983
328	Sedum	dasyphyllum	L.		LV	Rīga, HBU	1958
329	Sedum	furfuraceum	Moran		NL	Wageningen, I Hort	1979
330	Sedum	griseum	Praeger		SE	Stockholm, HB	1964
331	Sedum	luteoviride	T.B.Clausen		BE	Liege, HBU	1981
332	Sedum	mexicanum	Britton & Rose		EE	Tallinn, HBA	1963
333	Sedum	moranense	Humb.,Bonpl. & Kunth	subsp. grandiflorum R.T.Clausen	NL	Wageningen, I Hort	1972
334	Sedum	moranense	Humb.,Bonpl. & Kunth	subsp. moranense			
335	Sedum	morganianum	E.Walther		LV	Rīga, HBU	1964
336	Sedum	nussbaumerianum	Bitter		LV	Rīga, HBU	1958
337	Sedum	oaxacanum	Rose		NL	Wageningen, I Hort	1971
338	Sedum	pachyphyllum	Rose		LV	Rīga, HBU	1958
339	Sedum	palmatum			HU	Pecs, HBU	1977
340	Sedum	palmeri	S.Watson		LV	Rīga, HBU	1958
341	Sedum	rubrotinctum		'Aurora'	UA	Kiyv, HBA	1983
342	Sedum	rubrotinctum	R.T.Clausen		LV	Rīga, HBU	1958
343	Sedum	stahlia	Solms		IT	Modena, HBU	1962
344	Sedum	treleasei	Rose		RU	Mosqua, HBP	1963
345	Sinocrassula	densirosulata	A.Berger		HU	Szeged, HBU	2006
346	Sinocrassula	yunnanensis	(Franch.) A.Berger		DE	Tübingen, HBU	2011
347	Villadia	batesii	(Hemsl.) Baehni & J.F.Macbr.		DE	Göttingen, HBU	1970
348	Villadia	imbricata	Rose		DE	Göttingen, HBU	1970
349	x Pachysedum	sp.			BE	Liege, HBU	1983
Didieraceae							
350	Portulacaria	afra	Jacq.	'Variegata'	LV	Salaspils, HB Nat	2006
351	Portulacaria	afra	Jacq.		LV	Salaspils, HB Nat	1976
Dracaenaceae							
352	Sansevieria	abyssinica	N.E.Br.		IT	Padova, HBU	2006
353	Sansevieria	cylindrica	Bojer ex Hook.		PL	Warszawa, HBU	1975
354	Sansevieria	dooneri	N.E.Br.		EE	Tallinn, HBA	1966
355	Sansevieria	grandis	Hook.fil.		LV	Rīga, HBU	1957
356	Sansevieria	trifasciata		'Golden Hahnii'			
357	Sansevieria	trifasciata		'Hahnii'			
358	Sansevieria	trifasciata		'Silver Cloud'	EE	Tallinn, HBA	1988
359	Sansevieria	trifasciata	Prain				
Euphorbiaceae							
360	Euphorbia	trigona	Mill.				
361	Synadenium	grantii	Hook.fil.		HU	Szeged, HBU	2006

II

Seeds from wild plants

Collector: Aiva Bojāre

Rosaceae

362	Rosa	villosa	L.	subsp. villosa	LV	Tukums distr. Tume parish. Lat.: 57.00254, Lon.: 23.08179	*
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III

Seeds collected in private gardens

Collector: Andrejs Svilāns

Caryophyllaceae

363	Dianthus	barbatus	L.		LV	Varakļāni distr., Lelī Strodi parish, "Grāveri", Lat. 56.3924, Lon.: 26.4439	
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Oleaceae

364	Syringa	reticulata	(Blume) H.Hara	subsp. amurensis (Rupr.) P.S.Green & M. C.Chang	LV	Varakļāni distr., Lelī Strodi parish, "Grāveri", Lat. 56.3923, Lon.: 26.4435	
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