



# HORTUS BOTANICUS

Журнал Совета ботанических садов СНГ при МААН

Index Seminum

I

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### На обложке:

Seeds (stereoscopic microscope Olympus SZX 16, camera Olympus DP73), Alicia Kruchonok,  
Central Botanical Garden of the National Academy of Sciences of Belarus.

### Разработка и техническая поддержка

Отдел объединенной редакции научных журналов ПетрГУ, РЦ НИТ ПетрГУ,  
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## Index Sporarum et Seminum 2017. Botanic Garden of Petrozavodsk State University

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**Ключевые слова:**  
in situ, ex situ, список семян,  
генетические ресурсы

**Аннотация:** Список семян дикорастущих и культивируемых растений, собранных в 2016-17 годах в Ботаническом саду ПетрГУ и Южной Карелии.

**Получена:** 09 декабря 2017 года

**Подписана к печати:** 15 декабря 2017 года

\*

Index Seminum (Seed List) of botanical garden is proof of the success of ex situ cultivation of plants. It is an essential tool for the dissemination of genetic resources, has the unique ability to adapt. Accordingly, Index Seminum is the most important publication of the botanical garden - its contribution to the conservation and the formation of biological diversity of useful plants.

In 1951 the [Botanic Garden of Petrozavodsk State University](#) were founded amidst coniferous forests on the southern slopes of the surviving volcano on the northern bank of the Petrozavodsk bay of the Onega lake.

Large nature zone (330 ha) of Botanic Garden occupied by forests (80%), meadows (15%), rocks and little swamps, where 400 species of vascular plants are growing.

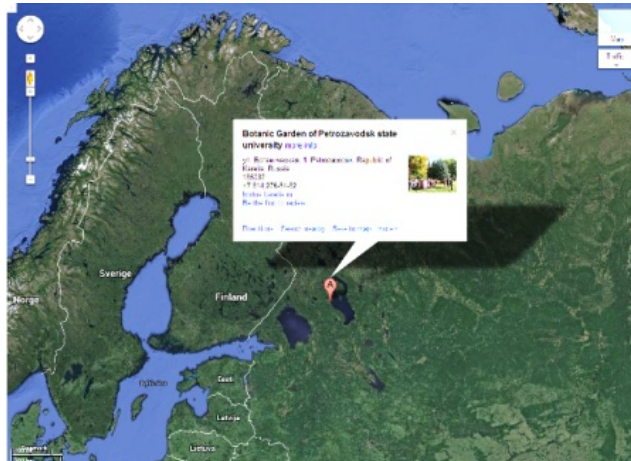
An open site, from which the city is well seen, is situated at the foothills of the highest mountain (Great Vaara) to the east of the Solomenny district of Petrozavodsk, in a vast area covered by forests. It is the nature monument of Karelia - Devil's Chair (Chertov Stul) area, one of the classical objects for studies of the development history of our planet. Active volcanic processes took place here 2 bln years ago. Slides and stone screens at the foot are traces of strong (up to 8-9 points) earthquakes that happened during the post-glacial period, which had started 12,000 years ago. One of the stone pieces, separated by a sudden dislocation and rupture of the earth's crust, formed a chair-like niche, which suggested a name for the rock and the entire area.

Main collection departments of Botanic Garden are arboretum, collection of perennials and collection of fruit and berry plants. The present collections include about 1500 species, subspecies, varieties, forms and cultivars.

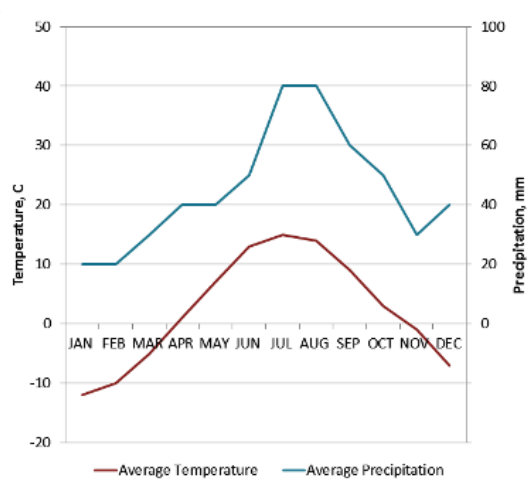
\*\*

### Geographical data:

Longitude: 34° 24 " East; Latitude: 61 ° 50 " North; altitude about sea level: 34 - 122 m



### Climate:



Hardiness zone - 4

\*\*\*



Arboretum in early spring (photo by V. Grigoriev)

**Seeds:**

The seeds from the garden have had open pollination, hybridization is therefore possible.

Spores and seeds were collected in 2016-2017 by E. Platonova, A. Eglacheva, A.Kabonen, E. Obuhova, V. Timofeeva, A. Falin.

Na – spores and seeds collected from natural habitats.

Family	№	Species	Locality	Year of collection
ADOXACEAE	1	<i>Sambucus racemosa</i> L.		2017
	2	<i>Viburnum lantana</i> L.		2016
	3	<i>Viburnum lantana</i> L.		2017
	4	<i>Viburnum opulus</i> L.	Na	2016
	5	<i>Viburnum opulus</i> L.	Na	2017
ALLIACEAE	6	<i>Allium schoenoprasum</i> L.		2017
APIACEAE	7	<i>Anthriscus sylvestris</i> (L.) Hoffm.	Na*	2017
	8	<i>Myrrhis odorata</i> (L.) Scop.	Na	2017
ASPARAGACEAE	9	<i>Convallaria majalis</i> L.	Na	2016
	10	<i>Convallaria majalis</i> L.	Na	2017
	11	<i>Maianthemum bifolium</i> (L.) F.W.Schmidt	Na	2016
ASTERACEAE	12	<i>Arnica montana</i> L.		2017
	13	<i>Arnica rydbergii</i> Greene		2017
	14	<i>Boltonia asteroides</i> (L.) L'Hér.		2017
	15	<i>Coreopsis grandiflora</i> Hogg ex Sweet		2017
	16	<i>Eupatorium cannabinum</i> L.		2016
	17	<i>Gnaphalium sylvaticum</i> L.	Na	2016
	18	<i>Hieracium aurantiacum</i> L.		2017
	19	<i>Hieracium penduliforme</i> (Dahlst.) Johanss.	Na	2016
	20	<i>Hieracium penduliforme</i> (Dahlst.) Johanss.	Na	2017
	21	<i>Hieracium pilosella</i> L.	Na	2017
	22	<i>Hieracium umbellatum</i> L.	Na	2016
	23	<i>Hieracium vulgare</i> Tausch	Na	2017
	24	<i>Kalimeris incisa</i> (Fisch.) DC.		2016
25	<i>Leucanthemum vulgare</i> (Vaill.) Lam.	Na	2016	
26	<i>Ligularia sibirica</i> (L.) Cass.		2016	
27	<i>Ligularia sibirica</i> (L.) Cass.		2017	
28	<i>Pyrethrum corymbosum</i> (L.) Scop.		2016	
29	<i>Scorzonerooides autumnalis</i> (L.) Moench	Na	2017	
ASPLENIACEAE	30	<i>Asplenium trichomanes</i> L.	Na	2016

<i>ATHYRIACEAE</i>	31	<i>Athyrium filix-femina</i> (L.) Roth	Na	2016
<i>BERBERIDACEAE</i>	32	<i>Berberis amurensis</i> Rupr.		2017
	33	<i>Berberis lycium</i> Royle		2017
	34	<i>Berberis vulgaris</i> L.		2017
	35	<i>Berberis vulgaris</i> 'Atropurpurea'		2017
<i>BETULACEAE</i>	36	<i>Alnus glutinosa</i> (L.) Gaertn.	Na	2016
	37	<i>Betula pendula</i> var. <i>carelica</i> (Merckl.) Hamet-Ahti		2016
<i>BORAGINACEAE</i>	38	<i>Symphytum officinale</i> L.		2017
<i>BRASSICACEAE</i>	39	<i>Thlaspi arvense</i> L.	Na	2017
<i>CAMPANULACEAE</i>	40	<i>Campanula hofmannii</i> (Pantan.) Greuter & Burdet		2017
	41	<i>Campanula latifolia</i> L.		2017
	42	<i>Campanula latifolia</i> f. <i>alba</i> Voss		2017
	43	<i>Campanula patula</i> L.	Na	2016
	44	<i>Campanula patula</i> L.	Na	2017
	45	<i>Campanula persicifolia</i> L.	Na	2016
	46	<i>Jasione montana</i> L.		2017
<i>CAPRIFOLIACEAE</i>	47	<i>Lonicera alpigena</i> L.		2016
	48	<i>Lonicera alpigena</i> L.		2017
	49	<i>Lonicera sempervirens</i> L.		2017
	50	<i>Lonicera xylosteum</i> L.	Na	2016
	51	<i>Lonicera xylosteum</i> L.	Na	2017
	52	<i>Symphoricarpos albus</i> (L.) S.F.Blake		2016
	53	<i>Symphoricarpos albus</i> (L.) S.F.Blake		2017
	54	<i>Symphoricarpos oreophilus</i> A. Gray		2017
	55	<i>Scabiosa ochroleuca</i> L.		2016
<i>CARYOPHYLLACEAE</i>	56	<i>Cerastium alpinum</i> L.		2017
	57	<i>Dianthus deltoides</i> L.		2016
	58	<i>Dianthus fragrans</i> M.Bieb.		2016
	59	<i>Dianthus giganteus</i> subsp. <i>banaticus</i> (Heuff.) Tutin		2017
	60	<i>Dianthus petraeus</i> Waldst. & Kit.		2017
	61	<i>Silene chalcedonica</i> (L.) E.H.L.Krause		2016
	62	<i>Silene chalcedonica</i> (L.) E.H.L.Krause		2017
	63	<i>Silene coronaria</i> (Desr.) Clairv. ex Rchb.		2017
	64	<i>Silene dioica</i> (L.) Clairv.	Na	2016
	65	<i>Silene dioica</i> (L.) Clairv.	Na*	2017
	66	<i>Silene pusilla</i> Waldst. & Kit.		2017

	67	<i>Silene viscaria</i> (L.) Jess.	Na	2017
	68	<i>Silene viscaria</i> 'Splendens'		2016
CELASTRACEAE	69	<i>Euonymus europaeus</i> L.		2016
	70	<i>Euonymus europaeus</i> L.		2017
CISTACEAE	71	<i>Helianthemum arcticum</i> (Grosser) Janch.		2017
	72	<i>Helianthemum nummularium</i> (L.) Mill.		2016
	73	<i>Helianthemum nummularium</i> (L.) Mill.		2017
Cornaceae	74	<i>Cornus sericea</i> L.		2017
CRASSULACEAE	75	<i>Rhodiola kirilowii</i> (Regel) Maxim.		2017
	76	<i>Sedum kamschaticum</i> Fisch.		2016
	77	<i>Sedum rupestre</i> L.		2016
CUPRESSACEAE	78	<i>Juniperus communis</i> L.		2016
	79	<i>Juniperus squamata</i> Buch.- Ham. ex D. Don		2017
	80	<i>Thuja occidentalis</i> L.		2017
	81	<i>Thuja occidentalis</i> 'Malonyana'		2017
	82	<i>Thuja occidentalis</i> 'Rosenthalii'		2017
	83	<i>Thuja occidentalis</i> 'Semperaurea'		2017
CYPERACEAE	84	<i>Carex muricata</i> L.		2016
	85	<i>Carex muricata</i> L.		2017
	86	<i>Eriophorum angustifolium</i> Honck.	Na*	2017
	87	<i>Eriophorum vaginatum</i> L.	Na*	2017
CYSTOPTERIDACEAE	88	<i>Gymnocarpium dryopteris</i> (L.) Newman	Na	2016
DRYOPTERIDACEAE	89	<i>Dryopteris carthusiana</i> (Vill.) H.P. Fuchs	Na	2017
	90	<i>Dryopteris filix-mas</i> (L.) Schott	Na	2016
ERICACEAE	91	<i>Empetrum nigrum</i> L.	Na*	2016
	92	<i>Vaccinium myrtillus</i> L.	Na	2017
	93	<i>Vaccinium uliginosum</i> L.	Na*	2016
	94	<i>Vaccinium vitis-idaea</i> L.	Na	2016
FABACEAE	95	<i>Caragana arborescens</i> Lam.		2016
	96	<i>Caragana boisii</i> C.K.Schneid.		2017
	97	<i>Caragana frutex</i> (L.) K.Koch		2016
	98	<i>Chamaecytisus ruthenicus</i> (Fischer ex Woloszczak) Klásk.		2017
	99	<i>Lathyrus vernus</i> (L.) Bernh.	Na	2016
	100	<i>Lathyrus vernus</i> (L.) Bernh.	Na	2017

	101	<i>Lathyrus sylvestris</i> L.		2016
	102	<i>Lupinus polyphyllus</i> Lindl.		2017
GERANIACEAE	103	<i>Geranium pyrenaicum</i> Burm.f.		2016
	104	<i>Geranium pyrenaicum</i> Burm.f.		2017
	105	<i>Geranium sanguineum</i> L.		2016
	106	<i>Geranium sanguineum</i> L.		2017
	107	<i>Geranium sanguineum</i> 'Album'		2017
	108	<i>Geranium sylvaticum</i> L.	Na	2016
	109	<i>Geranium sylvaticum</i> L.	Na	2017
	110	<i>Geranium thunbergii</i> Siebold ex Lindl. & Paxton		2016
HYDRANGEACEAE	111	<i>Hydrangea xanthoneura</i> Diels		2016
IRIDACEAE	112	<i>Iris halophila</i> Pall.		2016
	113	<i>Iris halophila</i> Pall.		2017
	114	<i>Iris halophila</i> var. <i>sogdiana</i> (Bunge) Grubov		2016
	115	<i>Iris pseudacorus</i> L.		2016
	116	<i>Iris ruthenica</i> Ker Gawl.		2016
	117	<i>Iris sanguinea</i> Donn ex Hornem.		2016
	118	<i>Iris sanguinea</i> Donn ex Hornem.		2017
	119	<i>Iris setosa</i> Pall. ex Link		2017
	120	<i>Iris sibirica</i> L.		2016
	121	<i>Iris sibirica</i> L.		2017
	122	<i>Iris sibirica</i> f. <i>albiflora</i>		2016
	123	<i>Iris sibirica</i> 'Purple Mere'		2017
	124	<i>Iris versicolor</i> L.		2016
	125	<i>Iris versicolor</i> L.		2017
	126	<i>Iris versicolor</i> 'Kermesina'		2017
JUGLANDACEAE	127	<i>Juglans mandshurica</i> Maxim.		2016
	128	<i>Juglans mandshurica</i> Maxim.		2017
JUNCACEAE	129	<i>Luzula nivea</i> (Nathh.) DC.		2016
	130	<i>Luzula nivea</i> (Nathh.) DC.		2017
	131	<i>Luzula pilosa</i> (L.) Willd.	Na	2017
LAMIACEAE	132	<i>Clinopodium vulgare</i> L.	Na	2017
	133	<i>Dracocephalum ruyschiana</i> L.	Na	2017
	134	<i>Nepeta racemosa</i> Lam.		2016
	135	<i>Origanum vulgare</i> L.	Na	2016
	136	<i>Origanum vulgare</i> L.		2016
	138	<i>Physostegia virginiana</i> (L.) Benth.		2016



	139	<i>Prunella grandiflora</i> (L.) Scholler		2017
	140	<i>Salvia glutinosa</i> L.		2017
	141	<i>Salvia transsylvanica</i> (Schur ex Griseb. & Schenk) Schur		2016
	142	<i>Stachys byzantina</i> K.Koch		2016
	143	<i>Stachys byzantina</i> K.Koch		2017
	144	<i>Stachys macrantha</i> (K.Koch) Stearn		2016
	145	<i>Stachys macrantha</i> (K.Koch) Stearn		2017
	146	<i>Stachys officinalis</i> (L.) Trevis		2016
	147	<i>Thymus serpyllum</i> 'Purpurteppich'		2017
<i>MALVACEAE</i>	148	<i>Lavatera thuringiaca</i> L.		2017
	149	<i>Tilia platyphyllos</i> Scop.		2016
<i>MELANTHIACEAE</i>	150	<i>Paris quadrifolia</i> L.	Na	2017
<i>MENYANTHACEAE</i>	151	<i>Menyanthes trifoliata</i> L.	Na*	2017
<i>OLEACEAE</i>	152	<i>Forsythia ovata</i> Nakai		2016
<i>ONOCLEACEAE</i>	153	<i>Matteuccia struthiopteris</i> (L.) Tod.	Na	2016
<i>PAEONIACEAE</i>	154	<i>Paeonia anomala</i> L.		2016
	155	<i>Paeonia anomala</i> L.		2017
	156	<i>Paeonia lactiflora</i> Pall.		2017
	157	<i>Paeonia daurica</i> subsp. <i>macrophylla</i> (Albov) D.Y.Hong		2017
<i>PAPAVERACEAE</i>	158	<i>Chelidonium majus</i> L.	Na	2017
<i>PHYTOLACCACEAE</i>	159	<i>Phytolacca esculenta</i> Van Houtte		2016
<i>PINACEAE</i>	160	<i>Abies sibirica</i> Ledeb.		2016
	161	<i>Larix kaempferi</i> (Lamb.) Carrière		2017
	162	<i>Picea glauca</i> (Moench) Voss		2017
	163	<i>Pinus pumila</i> (Pall.) Regel		2016
	164	<i>Pinus pumila</i> (Pall.) Regel		2017
	165	<i>Pseudotsuga menziesii</i> (Mirb.) Franco		2017
<i>PLANTAGINACEAE</i>	166	<i>Digitalis ciliata</i> Trautv.		2016
	167	<i>Digitalis lutea</i> L.		2016
	168	<i>Penstemon confertus</i> Douglas ex Lindl.		2017
	169	<i>Penstemon hirsutus</i> (L.) Willd.		2017
	170	<i>Penstemon lyallii</i> A. Gray		2016
	171	<i>Penstemon lyallii</i> A. Gray		2017
	172	<i>Penstemon procerus</i> var. <i>tolmiei</i> (Hook.) Cronquist		2017

	173	<i>Penstemon serrulatus</i> Menzies ex Sm.		2017
	174	<i>Plantago lanceolata</i> L.	Na	2016
	175	<i>Veronica spicata</i> L.	Na	2016
<i>POACEAE</i>	176	<i>Melica nutans</i> L.	Na	2017
	177	<i>Milium effusum</i> L.	Na	2017
<i>POLEMONIACEAE</i>	178	<i>Polemonium caeruleum</i> L.	Na	2017
<i>POLYGONACEAE</i>	179	<i>Persicaria bistorta</i> (L.) Samp.	Na	2016
<i>POLYPODIACEAE</i>	180	<i>Polypodium vulgare</i> L.	Na	2016
<i>PRIMULACEAE</i>	181	<i>Lysimachia punctata</i> L.		2016
	182	<i>Lysimachia punctata</i> L.		2017
	183	<i>Primula veris</i> L.		2016
	184	<i>Primula veris</i> L.		2017
<i>RANUNCULACEAE</i>	185	<i>Aconitum napellus</i> L.		2017
	186	<i>Aquilegia vulgaris</i> L.		2016
	187	<i>Clematis recta</i> 'Purpurea'		2017
	188	<i>Ranunculus montanus</i> Willd.		2016
	189	<i>Ranunculus montanus</i> Willd.		2017
	190	<i>Thalictrum aquilegifolium</i> L.		2017
	191	<i>Thalictrum lucidum</i> L.		2016
	192	<i>Thalictrum minus</i> L.		2016
	193	<i>Thalictrum minus</i> L.		2017
	194	<i>Thalictrum simplex</i> L.		2016
	195	<i>Trollius europaeus</i> L.	Na	2016
	196	<i>Trollius chinensis</i> Bunge		2017
	197	<i>Trollius ledebourii</i> Rchb.		2017
<i>RHAMNACEAE</i>	198	<i>Frangula alnus</i> Mill.		2016
	199	<i>Frangula alnus</i> Mill.		2017
	200	<i>Rhamnus cathartica</i> L.		2016
	201	<i>Rhamnus cathartica</i> L.		2017
<i>ROSACEAE</i>	202	<i>Alchemilla alpina</i> L.		2017
	203	<i>Alchemilla mollis</i> (Buser) Rothm.		2017
	204	<i>Chaenomeles maulei</i> (Mast.) C.K.Schneid.		2016
	205	<i>Cotoneaster lucidus</i> Schltld.		2016
	206	<i>Cotoneaster nebrodensis</i> Koch		2016
	207	<i>Cotoneaster nebrodensis</i> Koch		2017
	208	<i>Crataegus punctata</i> Jacq.		2016
	209	<i>Crataegus punctata</i> Jacq.		2017
	210	<i>Crataegus sanguinea</i> Pall.		2016
	211	<i>Crataegus submollis</i> Sarg.		2016

212	<i>Drymocallis rupestris</i> (L.) Sojk		2016
213	<i>Filipendula ulmaria</i> (L.) Maxim.	Na	2016
214	<i>Filipendula ulmaria</i> (L.) Maxim.	Na	2017
215	<i>Fragaria vesca</i> L.	Na	2017
216	<i>Malus baccata</i> (L.) Borkh.		2017
217	<i>Padus pensylvanica</i> (L.f.) S.Ya.Sokolov		2016
218	<i>Physocarpus opulifolius</i> (L.) Maxim.		2016
219	<i>Physocarpus opulifolius</i> 'Diabolo'		2016
220	<i>Potentilla argentea</i> L.	Na	2017
221	<i>Potentilla argyrophylla</i> Wall. ex Lehm.		2017
222	<i>Potentilla crantzii</i> (Crantz) Beck ex Fritsch		2017
223	<i>Potentilla drummondii</i> subsp. <i>breweri</i> (S.Watson) Ertter		2016
224	<i>Potentilla</i> × <i>hopwoodiana</i> Sweet		2017
225	<i>Potentilla nivea</i> L.		2016
226	<i>Potentilla nivea</i> L.		2017
227	<i>Potentilla thurberi</i> 'Monarch's Velvet'		2016
228	<i>Potentilla thurberi</i> 'Monarch's Velvet'		2017
229	<i>Prunus maackii</i> Rupr.		2017
230	<i>Prunus virginiana</i> L.		2017
231	<i>Rosa davurica</i> Pall.		2017
232	<i>Rosa majalis</i> Herrm.	Na	2016
233	<i>Rosa amblyotis</i> C.A.Mey.		2017
234	<i>Rosa rugosa</i> Thunb.		2016
235	<i>Rosa rugosa</i> Thunb.		2017
236	<i>Rosa spinosissima</i> L.		2016
237	<i>Rubus chamaemorus</i> L.		2016
238	<i>Sanguisorba minor</i> Scop.		2017
239	<i>Sibbaldia procumbens</i> L.		2016
240	<i>Sibbaldia procumbens</i> L.		2017
241	<i>Sorbus americana</i> Marshall		2017
242	<i>Sorbus aucuparia</i> L.	Na	2016
243	<i>Sorbus aucuparia</i> L.	Na	2017
244	<i>Sorbus aucuparia</i> subsp. <i>sibirica</i> (Hedl.) Krylov		2017
245	<i>Sorbus aucuparia</i> 'Pendula'		2017
246	<i>Sorbus</i> 'Alaya Krupnaya'		2017

	247	<i>Sorbus decora</i> (Sarg.) C.K.Schneid.		2017
	248	<i>Sorbus discolor</i> (Maxim.) Maxim.		2017
	249	<i>Sorbus intermedia</i> (Ehrh.) Pers.		2017
RUBIACEAE	250	<i>Galium odoratum</i> (L.) Scop.		2017
SALICACEAE	251	<i>Salix pentandra</i> L.	Na	2017
Sapindaceae	252	<i>Acer tataricum</i> L.		2017
	253	<i>Acer tataricum</i> subsp. <i>ginnala</i> (Maxim.) Wesm.		2017
SAXIFRAGACEAE	254	<i>Heuchera cylindrica</i> Douglas		2016
	255	<i>Heuchera cylindrica</i> Douglas		2017
	256	<i>Heuchera sanguinea</i> Engelm.		2016
	257	<i>Rodgersia podophylla</i> A.Gray		2016
	258	<i>Rodgersia podophylla</i> A.Gray		2017
	259	<i>Saxifraga cespitosa</i> L.		2017
	260	<i>Saxifraga cotyledon</i> L.		2016
	261	<i>Saxifraga cotyledon</i> L.		2017
	262	<i>Saxifraga umbrosa</i> 'Variegata'		2017
SCROPHULARIACEAE	263	<i>Scrophularia nodosa</i> L.	Na	2016
TAXACEAE	264	<i>Taxus x media</i> 'Hicksii'		2016
	265	<i>Taxus x media</i> Rehder		2017
THELYPTERIDACEAE	266	<i>Phegopteris connectilis</i> (Michx.) Watt	Na	2016
XANTHORRHOEACEAE	267	<i>Hemerocallis citrina</i> Baroni		2016
VIOLACEAE	268	<i>Viola labradorica</i> Schrank		2017
VITACEAE	269	<i>Parthenocissus quinquefolia</i> (L.) Planch.		2016
WOODSIACEAE	270	<i>Woodsia ilvensis</i> (L.) R. Br.	Na	2016

\* Detailed location:

- 7 — Karelia, Medvezh'egorskiy Distr., neighborhood of the Velikaya Guba settlement, herbaceous meadow. Collector V.Timofeeva.
- 65 — Karelia, Kondopozhskiy Distr., the outskirts near the village Vokhtozero. Collector V.Timofeeva.
- 86, 87, 151 — Karelia, Kondopozhskiy Distr., the bog near the lake Cheranga. Collector E.Platonova.
- 91, 93, 237 — Karelia, Kondopozhskiy Distr., the bog near the lake Lindozero. Collector A.Falin.
- Other numbers of spores and seeds marked «Na» were collected in the nature zone of Botanic Garden of PetrSU.



*Eriophorum angustifolium* Honck.

**Agreement on the supply of plant material by the Botanic Garden of Petrozavodsk State University (BGPSU)**

Since the Convention on Biological Diversity (CBD, Rio de Janeiro 1992) entered into force, it has become necessary for botanic gardens to comply in particular with Article 15 (Access to genetic resources), especially in connection with the exchange of plant material. Accordingly, the BGPSU only passes on plant material under the condition that the user acts in the spirit of the Convention on Biological Diversity. The BGPSU is dedicated to the conservation, sustainable use and research of biological diversity. With regard to the acquisition, maintenance and supply of plant material, the BGPSU therefore expects its partners to act in a manner that is consistent to the letter and the spirit of the Biodiversity Convention, the Convention on International Trade in Endangered Species (CITES) and in compliance with all relevant conventions and laws relating to the protection of biological diversity. As a consequence, plant material from the collections of the BGPSU are supplied only to those persons and institutions who accept the following conditions:

1. On the basis of this agreement, the material is intended to serve the common good, particularly scientific study, education and the interests of environmental protection.

2. The recipient is obliged to document and preserve information relating to the material appropriately.

3. In the event that scientific publications on the plant material provided are produced, the origin of the material is to be cited. In addition, copies of such publications are expected to be sent to the BGPSU without request.

4. Commercial use is not covered by this agreement but is object of a separate agreement with the country of origin. Such agreement underlies the provisions of the CBD, i. e. the user is obliged to share benefits with the country of origin. In this context, the user has to forward all relevant information to the authorities instructed with the implementation of the CBD. On request, the BGPSU will provide such information to these authorities.

5. The recipient is allowed to supply plant material derived from the BGPSU to others only on the basis and under the conditions of this or corresponding agreements.

By ordering plant material from the BGPSU, the recipient accepts the conditions listed above

\_\_\_\_\_  
**Sign and Stamp of seeds recipient  
(if it outside of Russia, Belarus, Kazakhstan)**

**DESIDERATA**


**PLEASE SEND THE DESIDERATA TO  
[GARDEN@PSU.KARELIA.RU](mailto:GARDEN@PSU.KARELIA.RU)  
TILL APRIL 15, 2018**

**YOUR ADDRESS:**

Адрес: Тимохиной Т. А., Ботанический сад ПетрГУ, пр. Ленина, 33, Петрозаводск, Карелия, 185910

Address: Seed curator: Tatiana Timohina, Botanic Garden of Petrozavodsk State University, Lenina av., 33, Petrozavodsk, Karelia, Russia, 185910

**References**

The Plant List (2013). Version 1.1. Published on the Internet; <http://www.theplantlist.org/> (accessed 1st January). <http://www.theplantlist.org/> (дата обращения 1.12.2017).

## Index Sporarum et Seminum 2017. Botanic Garden of Petrozavodsk State University

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**Is received:** 09 december 2017 year

**Is passed for the press:** 15 december 2017 year

### References

The Plant List (2013). Version 1.1. Published on the Internet; <http://www.theplantlist.org/> (accessed 1st January). <http://www.theplantlist.org/> (data obratsheniya 1.12.2017).

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