

AFS Spore Exchange List as of 11-Aug-2021

If you wish to request or donate spores, please visit the spore exchange page of the American Fern Society: [AFS spore exchange page](#)

Listed below is a snapshot of the entire spore bank inventory as of the date at the top of the page. It is arranged alphabetically by botanical name and includes unique order numbers to simplify requesting and processing orders.

Key to column headings:

pic: Link to donor supplied picture(s) of the fern the spores were collected from.

Most rcnt mo / yr - donor: For the most recently donated spores, the month and year of spore collection and the donor initials.

Packets rcnt (tot): The number of spore packets available of the most recent donation and the total number of packets available including past donations. Each packet contains approximately 3 to 10 cubic millimeters of spores (several thousand spores). Those marked as "Small qty" in the notes column contain less than 3 cubic millimeters.

Fr SZ: Approximate maximum frond size. Very Small = less than 4 inches, Small = 4 inches to 1 foot, Medium = 1 to 3 feet, Large = 3 to 6 feet, Very Large = greater than 6 feet.

USDA Zone: Minimum and maximum growing zones based on various books and the internet.

Notes: Common synonyms and miscellaneous notes.

Viability Test: Spores sown on sterilized Pro-Mix HP soil or hydroponic agar and maintained for 8-16 weeks at room temperature 11 inches below two 20W cool white fluorescent tubes (or equivalent) illuminated 14 hours per day. ++ = Most spores germinated, + = partial germination, +? = few spores germinated, -? = <5 spores germinated, - = no germination, (blank) = not tested.

The following donors contributed spores to this list: (AB) Alex baranowski, (AL) Andrzej Leśniewski, (AV) Albertus Jan-Willem Vos of Botanical Garden Château Pérouse, (BA) Brian Aikins, (BH) Bart Hendrixx, (BJH) Barbara Joe Hoshizaki, (BT) Brian Torreano, (DE2) Doug Eckel, (DJ) David E.V. Jones, (DY) Daniel Yansura, (FS) Florent Simon, (FW) Frank Wolpert, (GR) Giles Reed, (JC) James Cheshire, (JK) John Knouse, (LE) Libor Ekrt, (MAV) Miguel Angel Varela, (MG) Michèle Gonzy, (MM) Maes Mario, (MM2) Margaret Molyson, (MO) Matthew Opel, (MS) Mary Stensvold, (PW) Persephanie Westervelt, (RB2) Remko Beuving, (RC) Richard Carl, (RJ) Riccardo Jesu, (SM2) Sue Mandeville, (SM3) Samantha Mills, (TT) Terry Turney, (WB) Wayne "Bubba" Baxter, (WN) Werner Neumueller, (ZS) Zdzisław Siwicki & Elżbieta Leciej.

Members requesting more than 20 species are encouraged to donate one species for every three requested, not counting those from donor BA. Donated species should be new to the list or species in need of replenishing.

Changes in availability since last month's list		
	New	(2100) Araiostegia perdurans (BA) (646) Alsophila australis (AB) (667) Cyathea dealbata (AB) (2229) Cyathea lunulata? (AB)
	Refreshed supply	(565) Cheilanthes eatonii (BA) (607) Cheilanthes wootonii (BA) (1053) Dryopteris intermedia (AB) (1383) Onychium sp. 1 Kunming China (BA) (1429) Pellaea ovata (BA) (1438) Pellaea viridis (BA) (1592) Polypodium hesperium (BA) (1746) Polystichum tsus-simense (BA) (1821) Pteris sp. 1 (BA) (2130) Pyrrosia porosa (BA) (1873) Selligiea hastata (BA)
	No longer available or viable	Dryopteris cambrensis 'Crispa Barnes'

Order Num	Genus species variant	Most recent pkts / yr - donor	mo	Packet count rcnt (tot)	Fr SZ	USDA Zone	Notes	Viability Test sown date, result
7	Adiantum aleuticum	7 / 2020 - BA	20 (36)	SM	4-8			
12	Adiantum aleuticum subpumilum	pic 8 / 2018 - BA	3 (23)	S	6-8			3/29/2021 ++
20	Adiantum caudatum	12 / 2017 - BA	5 (5)	S	9--			11/4/2020 ++
32	Adiantum hispidulum	11 / 2019 - AV	3 (7)	S	8--11			
50	Adiantum raddianum	pic 12 / 2018 - BA	6 (6)	SM	9--			
2154	Adiantum raddianum Margaretta	pic 11 / 2018 - LF	7 (7)	SM	9--			3/29/2021 +
77	Adiantum raddianum Pacific Maid	pic 11 / 2018 - LF	73 (73)	SM	9--			3/29/2021 ++
86	Adiantum reniforme	pic 4 / 2021 - BA	9 (9)	S	9--11		Very small quantity per packet.	5/19/2021 ++
100	Adiantum tenerum Scutum Roseum	pic 11 / 2018 - LF	20 (20)	SM	10--			4/11/2021 +
106	Adiantum venustum	pic 9 / 2018 - BA	29 (29)	S	5-8			2/27/2021 ++
108	Aglaomorpha cornucopia	5 / 2020 - DY	11 (11)	M	--		Syn: Thayeria cornucopia,	
114	Aglaomorpha pilosa	pic 5 / 2021 - BA	19 (19)	M	12--		Syn: Drynaria pilosa	5/24/2021 ++
646	Alsophila australis	pic 7 / 2021 - JR	30 (30)	VL	9--		Syn: Cyathea australis	
128	Anemia phyllitidis	9 / 2019 - BA	22 (47)	SM	9--			
129	Anemia phyllitidis large form	pic 8 / 2014 - BA	6 (21)	M	9--			11/4/2020 ++
130	Anemia rotundifolia	10 / 2020 - DY	7 (7)	M	9--			12/21/2020 ++
131	Anemia tomentosa	2010 - *	3 (3)	SM	8-9		* Donation by Cal. State Univ.	4/8/2021 ++
136	Anogramma chaerophylla	pic 4 / 2021 - SM	12 (12)	S	11--			5/6/2021 ++
137	Anogramma leptophylla	pic 5 / 2020 - MAV	4 (4)	S	9--11			10/17/2020 ++
142	Arachniodes davalliaeformis	11 / 2020 - AV	6 (34)	S	7--10		Syn: Aspidium aristatum var. davalliaeforme	
151	Arachniodes simplicior variegata	6 / 2020 - MAV	4 (47)	M	7--			
2100	Araiostegia perdurans	pic 7 / 2021 - BA	2 (2)	SM	8b--		Small quantity per packet.	
159	Arthropteris orientalis	8 / 2013 - MK	12 (12)	SM	8--			11/4/2020 ++
162	Aspidotis densa	pic 7 / 2020 - BA	4 (4)	S	5--		Chielanthes siliquosa.	
165	Asplenium adiantum-nigrum	pic 7 / 2020 - BA	15 (55)	SM	7-9			

170	<i>Asplenium aethiopicum</i>		11 / 2019 - TT	1 (1)	SM	--		3/14/2020	++
176	<i>Asplenium auritum binnatifidum</i>		7 / 2020 - BA	14 (16)	SM	9--	Origin: Puerto Rico	5/3/2020	++
204	<i>Asplenium ebenoides</i>		7 / 2020 - BA	7 (7)	S	5--	Syn: <i>Asplenosorus tutwilerae</i>		
208	<i>Asplenium flabellifolium</i>	pic	9 / 2018 - BA	3 (18)	S	9--	Zone 8 with protection.	4/3/2021	++
220	<i>Asplenium hemionitis</i>	pic	3 / 2018 - BA	5 (5)	S	9--		5/20/2021	++
2170	<i>Asplenium hypomelas</i>		5 / 2020 - DY	4 (15)	ML	--		3/5/2020	++
225	<i>Asplenium incisum</i>	pic	7 / 2020 - BA	3 (31)	S	*--	* Survived 16°F. Yantai China. Sml qnty/pkt.		
243	<i>Asplenium marinum</i>		6 / 2020 - BA	7 (7)	SM	9--			
261	<i>Asplenium oblongifolium</i>		12 / 2020 - DY	5 (5)	ML	9--	Syn: <i>Asplenium lucidum</i>	12/21/2020	++
264	<i>Asplenium ocoense</i>	pic	9 / 2018 - BA	1 (6)	M	12?--	Origin: Puerto Rico.	10/19/2019	++
2190	<i>Asplenium oligophlebium</i>		11 / 2020 - DY	5 (5)	S	11--	Small quantity per packet.	4/12/2021	+?
267	<i>Asplenium pekinese</i>	pic	7 / 2020 - BA	4 (10)	S	6-9	Originally from Kunming China.		
270	<i>Asplenium platyneuron</i>	pic	11 / 2015 - RS2	2 (2)	SM	4-8		11/4/2020	+
287	<i>Asplenium ruta-muraria</i>		7 / 2020 - LE	16 (16)	S	4-8	Wild collected: Czech Republic	3/9/2021	+
1462	<i>Asplenium sagittatum</i>		9 / 2018 - BA	2 (2)	S	9--	Syn: <i>Phyllitis sagittatum</i>	5/20/2021	++
1463	<i>Asplenium scolopendrium</i>	pic	8 / 2019 - BA	10 (51)	M	4-9	Syn: <i>Phyllitis scolopendrium</i>		
1467	<i>Asplenium scolopendrium Angustifolium</i>	pic	7 / 2018 - ZS	11 (11)	SM	4-10		2/12/2021	++
1494	<i>Asplenium scolopendrium Crispum group</i>	pic	8 / 2018 - SM2	4 (4)	SM	4?--	Was listed as cultivar 'Undulata'	12/21/2018	++
2161	<i>Asplenium scolopendrium Fimbriata</i>	pic	7 / 2019 - SM2	8 (8)	SM	4?--		10/19/2019	++
1481	<i>Asplenium scolopendrium Kaye's Lacerated</i>		8 / 2017 - BA	7 (22)	S	4?--		12/21/2018	++
2089	<i>Asplenium scolopendrium Laceratum 2</i>	pic	7 / 2016 - BA	6 (9)	S	4?--		11/4/2020	+
1487	<i>Asplenium scolopendrium Muricatum</i>	pic	7 / 2019 - SM2	2 (2)	SM	4?--	Variable when grown from spores.	10/19/2019	++
2137	<i>Asplenium scolopendrium Sagittata group</i>	pic	8 / 2018 - SM2	4 (4)	SM	4?--		9/1/2018	++
2091	<i>Asplenium scolopendrium Spirale</i>	pic	8 / 2019 - BA	1 (1)	S	5--			
2189	<i>Asplenium scortechinii</i>		11 / 2020 - DY	9 (9)	M	11?--13		12/21/2020	++
301	<i>Asplenium sp. 1</i>	pic	11 / 2019 - BA	23 (37)	S	--	Possibly <i>A. flaccidum</i> .		
2094	<i>Asplenium sp. 2</i>	pic	2014 - AL	10 (10)	S	*--	* Tropical origin.	11/4/2020	++
302	<i>Asplenium sphenotomum</i>	pic	4 / 2020 - BA	6 (7)	M	11--			
307	<i>Asplenium trichomanes</i>	pic	7 / 2020 - BA	10 (20)	S	3-9			
2027	<i>Asplenium trichomanes Ramo-cristatum</i>	pic	7 / 2020 - BA	12 (18)	VS	3-9			
332	<i>Astrolepis integerrima</i>	pic	8 / 2017 - BA	4 (4)	S	--	Syn: <i>Cheilanthes integerrima</i>		
333	<i>Astrolepis sinuata</i>		11 / 2019 - BA	5 (5)	SM	8-9	Syn: <i>Cheilanthes sinuata</i> Small qnty/packet.	4/27/2021	++
337	<i>Athyrium angustum Lady In Red</i>		7 / 2018 - BA	14 (34)	M	4--	Syn: <i>A. filix-femina</i> 'Lady In Red'		
343	<i>Athyrium cyclosorum</i>		8 / 2019 - MS	37 (99)	ML	5-8	Syn: <i>Athyrium filix-femina</i> var. <i>cyclosorum</i>		
2192	<i>Athyrium distentifolium</i>	pic	7 / 2019 - ZS	39 (39)	M	2--		1/16/2021	++
349	<i>Athyrium filix-femina</i>		4 / 2005 - KB	2 (2)	M	4-8		11/4/2020	+?
367	<i>Athyrium filix-femina Frizelliae</i>	pic	8 / 2019 - BA	20 (41)	S	4-8			
2193	<i>Athyrium filix-femina Plumosum Cristatum</i>	pic	7 / 2019 - ZS	2 (2)	--	--	Small quantity per packet.	1/16/2021	++
391	<i>Athyrium filix-femina Victoriae</i>	pic	7 / 2020 - BA	5 (5)	M	4-8			
2160	<i>Athyrium niponicum Apple Court</i>	pic	7 / 2019 - SM2	4 (4)	M	4-9			
408	<i>Athyrium niponicum Pictum</i>	pic	8 / 2020 - BA	4 (18)	M	4--			
2186	<i>Athyrium niponicum Wildwood Twist</i>		9 / 2020 - MM	8 (8)	M	4-9		12/21/2020	+
422	<i>Athyrium sp. 1 Zhejiang China</i>	pic	8 / 2018 - BA	4 (54)	L	*--	* Survived 12°F.		
2185	<i>Athyrium sp. 2 cultivar</i>	pic	9 / 2020 - MM	19 (19)	--	--		12/21/2020	++
440	<i>Blechnum australe</i>	pic	9 / 2018 - BA	39 (86)	SM	8-9			
441	<i>Blechnum australe Red Form</i>		2006 - BJH	7 (7)	SM	8-9		11/4/2020	+?
444	<i>Blechnum brasiliense</i>		8 / 2019 - MAV	2 (2)	ML	9--		10/17/2020	+
451	<i>Blechnum chilense</i>		2 / 2020 - DJ	12 (12)	M	7-9		3/5/2020	++
453	<i>Blechnum cordatum</i>	pic	11 / 2020 - BA	7 (7)	M	8-9		11/24/2020	++
469	<i>Blechnum magellanicum</i>		11 / 2020 - DJ	7 (7)	ML	8--		11/24/2020	++
2132	<i>Blechnum microphyllum</i>	pic	7 / 2020 - BA	30 (30)	VS	8--	Syn: <i>B. penna-marina</i> ssp. <i>Microphyllum</i>		
472	<i>Blechnum moorei</i>	pic	1 / 2020 - LF	9 (9)	M	11--		5/2/2021	+
474	<i>Blechnum novae-zelandiae</i>		12 / 2020 - FS	7 (7)	L	7-9		3/2/2021	++
2080	<i>Blechnum novae-zelandiae x wattsii</i>		2 / 2015 - CHB	17 (17)	M	8--	From http://www.jardinjungle.com	3/5/2020	+
475	<i>Blechnum nudum</i>		11 / 2020 - DJ	7 (7)	ML	8-9	Syn: <i>Lomaria nuda</i> . Short-lived green spores.		
476	<i>Blechnum occidentale</i>		11 / 2020 - DJ	6 (6)	M	9--		3/19/2021	++
479	<i>Blechnum patersonii</i>		7 / 2019 - TT	2 (2)	SM	9--	Wild collected in Victoria Australia.	3/20/2020	+
480	<i>Blechnum penna-marina</i>	pic	8 / 2020 - BA	29 (49)	S	6-8			
490	<i>Blechnum spicant</i>		8 / 2020 - MS	26 (28)	M	5-8		3/19/2021	+?
499	<i>Blechnum tabulare</i>		11 / 2016 - MM	9 (9)	ML	9-11		3/5/2020	+
503	<i>Blechnum wattsii</i>		12 / 2020 - FS	12 (12)	M	8--		3/2/2021	++
505	<i>Blechnum wurunuran</i>	pic	2 / 2019 - LF	6 (6)	M	--		3/5/2020	+
2127	<i>Campyloneurum amphostenon</i>		9 / 2019 - DY	8 (18)	M	--		4/3/2021	++
531	<i>Campyloneurum angustifolium</i>		9 / 2019 - BA	10 (59)	M	9--		3/5/2020	++
537	<i>Campyloneurum phyllitidis</i>	pic	7 / 2021 - BA	9 (9)	M	9--			
550	<i>Ceterach officinarum</i>		9 / 2019 - FW	1 (1)	S	5-8	Syn: <i>Asplenium ceterach</i> . Small qnty / pkt.	10/19/2019	+
556	<i>Cheilanthes argentea</i>		11 / 2020 - AV	2 (50)	S	5-8	Syn: <i>Aleuritopteris argentea</i>		
562	<i>Cheilanthes chusana</i>		11 / 2020 - AV	2 (2)	S	9--	Syn: <i>Cheilosoria c.</i> , <i>Oeosporangium c.</i>		
564	<i>Cheilanthes distans</i>	pic	7 / 2018 - BA	13 (16)	S	8-10			
565	<i>Cheilanthes eatonii</i>	pic	8 / 2021 - BA	10 (28)	S	7-10			
578	<i>Cheilanthes hispanica</i>	pic	7 / 2020 - BA	2 (12)	S	11--	syn: <i>Oeosporangium hispanicum</i>		
586	<i>Cheilanthes lendigera</i>		12 / 2018 - BA	10 (12)	SM	9-11		12/19/2018	++
607	<i>Cheilanthes wootonii</i>	pic	7 / 2021 - BA	6 (29)	S	8-9			
1937	<i>Christella dentata</i>		8 / 2019 - MG	8 (8)	M	8--	Syn: <i>Thelypteris dentata</i>		
622	<i>Coniogramme sp. 1 Chengdu China</i>	pic	8 / 2020 - BA	20 (56)	L	*--	* Survived 25°F.		
623	<i>Coniogramme sp. 2 Stone Forest China</i>	pic	11 / 2009 - BA	20 (20)	--	*--	* Survived 30°F.	1/15/2021	+
2047	<i>Coniogramme sp. 3 Wudang China</i>	pic	11 / 2013 - OE	1 (1)	L	8--	Collected in Wudang Mtns. China	11/4/2020	+
626	<i>Cryptogramma acrostichoides</i>	pic	8 / 2017 - BA	5 (5)	S	2-8		12/19/2018	++
638	<i>Culcita macrocarpa</i>		5 / 2020 - MAV	1 (12)	L	8--	Small quantity per packet.	10/17/2020	+
654	<i>Cyathea cooperi</i>		9 / 2020 - MM	1 (1)	VL	9-11	Syn: <i>Sphaeropteris cooperi</i>	3/19/2021	++
2222	<i>Cyathea cooperi crisped form</i>	pic	12 / 2020 - FS	12 (12)	VL	10?--		3/2/2021	++
661	<i>Cyathea cooperi Highland Lace</i>	pic	9 / 2020 - BA	11 (11)	VL	10?--			

667	<i>Cyathea dealbata</i>	pic	7 / 2021 - JR	40 (40)	VL	9--11			
683	<i>Cyathea latebrosa</i>		5 / 2020 - DY	8 (8)	VL	10--	Syn: <i>Alsoiphila latebrosa</i>	7/12/2021	++
686	<i>Cyathea lunulata</i>		1 / 2007 - BJH	13 (13)	VL	12?--	Syn: <i>Sphaeropteris lunulata</i>	7/31/2021	++
2229	<i>Cyathea lunulata?</i>	pic	7 / 2021 - JR	100 (100)	VL	12?--			
690	<i>Cyathea medullaris</i>		9 / 2019 - DY	42 (192)	VL	10--11	Syn: <i>Sphaeropteris medullaris</i>	3/11/2021	+
2166	<i>Cyathea stelligera</i>		9 / 2019 - DY	4 (4)	VL	--	Possibly a stout form of <i>C. cunninghamii</i>	11/5/2020	+
1928	<i>Cyclosorus acuminatus</i>		2019 - FS	4 (4)	M	8--	Wild collected Taiwan. Small qty/package.	10/17/2020	+
726	<i>Cyrtomium caryotideum</i>	pic	7 / 2020 - BA	16 (47)	M	6--10			
727	<i>Cyrtomium caryotideum</i> dark midribs	pic	6 / 2018 - BA	6 (41)	M	6--			
729	<i>Cyrtomium devexiscapulae</i>	pic	1 / 2020 - LF	11 (11)		8b--			
730	<i>Cyrtomium falcatum</i>	pic	7 / 2020 - BA	20 (61)	M	7--10	Originally from Hanakapiai beach, Kauai.		
737	<i>Cyrtomium fortunei</i>	pic	7 / 2020 - BA	24 (97)	M	6--10			
744	<i>Cyrtomium macrophyllum</i>	pic	7 / 2020 - BA	17 (17)	SM	6--10			
745	<i>Cyrtomium</i> sp. 1 Chengdu China	pic	7 / 2020 - BA	24 (102)	M	*--	* Survived 12°F.		
2048	<i>Cyrtomium</i> sp. 2 Wudang China	pic	8 / 2017 - BA	22 (29)	M	8--	Origin: Wudang Mtns. China	12/23/2018	++
2153	<i>Cyrtomium</i> sp. 3		3 / 2019 - BT	10 (10)		--	Probably <i>C. fortunei</i> .		
749	<i>Cystopteris bulbifera</i>		6 / 2019 - JC	23 (23)	M	3--8		7/21/2019	++
2159	<i>Cystopteris diaphana</i>		12 / 2020 - FS	20 (21)	S	8--		3/2/2021	++
750	<i>Cystopteris dickieana</i>	pic	6 / 2019 - AV	2 (2)	S	5--	<i>Cystopteris fragilis</i> ssp. <i>Dickieana</i>	10/19/2019	++
759	<i>Cystopteris montana</i>		10 / 2020 - LE	8 (8)	SM	2--4	Wild collected: Austrian Alps	3/9/2021	+
2199	<i>Cystopteris tenuis</i>	pic	7 / 2019 - ZS	12 (12)	SM	4--8	<i>Cystopteris fragilis</i> var. <i>mackayi</i>	2/15/2021	++
768	<i>Davallia divaricata</i>	pic	6 / 2020 - BA	5 (11)	ML	12?--	Syn: <i>Araiostegia divaricata</i>		
775	<i>Davallia heterophylla</i>	pic	7 / 2021 - BA	8 (8)	S	11?--	Syn: <i>Humata heterophylla</i>	7/13/2021	++
782	<i>Davallia pyxidata</i>		6 / 2020 - SMD	4 (4)	M	8--	Syn: <i>Davallia solida</i> var. <i>pyxidata</i> , <i>Humata</i> p.	11/24/2020	++
785	<i>Davallia</i> sp. 1	pic	8 / 2019 - BA	9 (9)	SM	--	Probably <i>D. trichomanoides</i> .		
1254	<i>Dendrolycopodium dendroideum</i>		9 / 2019 - JK	29 (34)	S	2--6	Syn: <i>Lycopodium</i> d. Special culture req'd.		
805	<i>Deparia acrostichoides</i>		8 / 2020 - RC	8 (36)	ML	3--8	Syn: <i>Athyrium thelypteroides</i> , <i>Diplazium</i> a.		
809	<i>Deparia petersenii</i>		11 / 2020 - AV	2 (4)	M	6--9	Syn: <i>Athyrium petersenii</i>		
812	<i>Dicksonia antarctica</i>		9 / 2020 - MM	3 (127)	VL	9*--10	* Zn8 with protection.	3/19/2021	++
2188	<i>Dicksonia berteriana</i>		10 / 2020 - DY	15 (15)		9--	Alt spelling: <i>D. berteriana</i>	7/12/2021	+
819	<i>Dicksonia squarrosa</i>		9 / 2020 - DY	13 (13)	VL	9--10		12/21/2020	++
2010	<i>Diphasiastrum digitatum</i>		9 / 2019 - JK	29 (42)	SM	3--6	Wild coll. in WV. Special culture req'd.		
1261	<i>Diphasiastrum tristachyum</i>		9 / 2016 - JK	7 (7)	SM	3--	Syn: <i>Lycopodium</i> t. Special culture req'd.		
852	<i>Diplazium pycnocarpon</i>		9 / 2020 - RC	17 (17)	ML	4--9	Syn: <i>Homalosorus pycnocarpos</i>		
423	<i>Diplazium</i> sp. 1 Nanning China	pic	7 / 2020 - BA	10 (20)		*--	* Survived 30°F.		
859	<i>Diplazium subsinuatum</i>	pic	10 / 2019 - BA	9 (11)	SM	8--10	Syn: <i>Athyrium dubium</i> , <i>Deparia lancea</i>	3/5/2020	++
871	<i>Doodia caudata</i>		8 / 2013 - MK	3 (3)	S	9--		11/4/2020	+
879	<i>Doodia media</i>		12 / 2020 - FS	7 (7)	S	8--11	Syn: <i>Blechnum medium</i>	3/2/2021	++
2120	<i>Doodia</i> sp. 1		8 / 2017 - BA	4 (4)	SM	--		11/4/2020	++
885	<i>Doryopteris decora</i>	pic	8 / 2018 - BA	2 (2)	S	11--	Small quantity per packet.	9/1/2018	++
886	<i>Doryopteris nobilis</i>		1 / 2020 - DY	2 (2)	SM	--	Small quantity per packet.	10/17/2020	++
889	<i>Doryopteris pilosa</i>		7 / 2018 - BA	8 (14)	S	11--11	<i>Doryopteris cordata</i> in horticulture.		
2087	<i>Doryopteris triphylla</i>	pic	7 / 2020 - BA	6 (17)	S	10--	Was <i>D. sp. 1</i> Porto Alegre, Br		
892	<i>Drynaria fortunei</i>	pic	2 / 2021 - BA	8 (52)	SM	9--		3/5/2015	++
895	<i>Drynaria rigidula</i>		8 / 2020 - BA	4 (13)	L	11?--			
896	<i>Drynaria sparsisora</i>		7 / 2020 - BA	12 (12)	L	11?--			
899	<i>Dryopteris aemula</i>	pic	7 / 2020 - BA	8 (53)	SM	6--9			
900	<i>Dryopteris affinis</i>	pic	7 / 2020 - BA	24 (69)	L	4--8	Syn: <i>Dryopteris abbreviata</i> , <i>D. pseudomas</i>		
916	<i>Dryopteris affinis</i> <i>Crispa Congesta</i>	pic	7 / 2019 - ZS	4 (4)	S	4--		1/16/2021	++
913	<i>Dryopteris affinis</i> <i>Crispa Gracilis</i>	pic	7 / 2020 - BA	15 (20)	S	4--	Syn: <i>Dryopteris affinis</i> ' <i>Crispa Congesta</i> '		
917	<i>Dryopteris affinis</i> <i>Cristata</i>	pic	10 / 2020 - MM	5 (5)	M	4--			
2026	<i>Dryopteris affinis</i> <i>Cristata</i> The King		7 / 2013 - GR	8 (8)	M	4--	Syn: <i>Dryopteris cristata</i> ' <i>The King</i> '	11/4/2020	+
926	<i>Dryopteris affinis</i> <i>Pinderi</i>	pic	8 / 2019 - ZS	12 (12)	M	4--	Syn: <i>Dryopteris oreades</i> ' <i>Pinderi</i> '	2/19/2021	+
939	<i>Dryopteris ardechensis</i>		7 / 2020 - MG	15 (15)	M	8--			
940	<i>Dryopteris arguta</i>		11 / 2009 - DY	6 (16)	M	8--9		11/4/2020	+
942	<i>Dryopteris atrata?</i>	pic	8 / 2018 - BA	8 (8)	M	6--			
948	<i>Dryopteris blanfordii</i>	pic	7 / 2018 - ZS	20 (20)	M	7--		2/10/2021	++
906	<i>Dryopteris borrieri</i>		7 / 2020 - LE	30 (35)	L	4--8	Syn: <i>D. affinis</i> ssp. <i>Borrieri</i> . Wild Col: Czech Rep	3/9/2021	++
950	<i>Dryopteris cambrensis</i>		7 / 2020 - LE	100 (100)	M	6--	Wild collected: Czech Republic	3/9/2021	++
2225	<i>Dryopteris cambrensis</i> <i>Crispa</i>	pic	7 / 2019 - ZS	30 (30)	M	6--		2/19/2021	++
2119	<i>Dryopteris cambrensis</i> <i>Crispa Barnes</i>		7 / 2017 - BA	7 (7)	M	6--	Syn: <i>Dryopteris affinis</i> <i>Crispa Barnes</i>	7/19/2021	++
2201	<i>Dryopteris cambrensis</i> ssp <i>distans</i>		7 / 2019 - ZS	6 (6)	M	6--		2/16/2021	++
2168	<i>Dryopteris cambrensis?</i>	pic	8 / 2019 - MS	50 (50)	M	*--	* Grown in zone 7 garden.	11/3/2019	++
951	<i>Dryopteris campyloptera</i>		7 / 2014 - JK	38 (38)	M	4--7	Syn: <i>D. spinulosa</i> var. <i>americana</i>	11/24/2020	++
952	<i>Dryopteris carthusiana</i>	pic	7 / 2014 - JK	15 (40)	M	2--7	Syn: <i>Dryopteris spinulosa</i>	11/4/2020	++
955	<i>Dryopteris caucasica</i>		7 / 2020 - LE	20 (36)	ML	5--8	Wild collected: Armenia	3/9/2021	++
956	<i>Dryopteris celsa</i>		7 / 2019 - BA	46 (46)	ML	5--9	<i>D. goldiana</i> x <i>D. ludoviciana</i>		
957	<i>Dryopteris championii</i>	pic	8 / 2020 - BA	37 (77)	M	5--9	Origin: Nanjing China.		
963	<i>Dryopteris</i> x <i>complexa</i>	pic	7 / 2020 - BA	24 (24)	ML	4--8	<i>D. affinis</i> x <i>D. filix-mas</i>		
933	<i>Dryopteris</i> x <i>complexa</i> <i>Stableri Crisped</i>	pic	7 / 2014 - BA	11 (28)	L	5--9	Was listed as <i>D. affinis</i> <i>Stableri Crisped</i> .	11/4/2020	+
967	<i>Dryopteris corleyi</i>	pic	7 / 2017 - BA	23 (80)	M	8--	<i>D. aemula</i> x <i>D. oreades</i>	11/4/2020	++
968	<i>Dryopteris crassirhizoma</i>	pic	7 / 2018 - ZS	10 (10)	L	4--8	Syn: <i>Dryopteris buschiana</i>	2/9/2021	++
972	<i>Dryopteris cristata</i>		7 / 2012 - JK	17 (61)	M	3--8	Wild collected in Beaumont, Ohio.	11/4/2020	++
974	<i>Dryopteris cystolepidota</i>	pic	7 / 2015 - BA	55 (55)	SM	6--9	Syn: <i>Dryopteris nipponensis</i>	11/4/2020	+
976	<i>Dryopteris dickinsii</i>	pic	6 / 2018 - BA	20 (25)	M	6--8			
978	<i>Dryopteris dilatata</i>		7 / 2020 - LE	8 (27)	ML	4--8	Wild collected: Czech Republic	3/9/2021	++
983	<i>Dryopteris dilatata</i> <i>Jimmy Dyce</i>		8 / 2020 - MS	3 (3)	M	4--8		10/17/2020	+
985	<i>Dryopteris dilatata</i> <i>Recurvata</i>	pic	6 / 2018 - BA	8 (22)	M	4--8	Syn: <i>D. dilatata</i> ' <i>Recurved Form</i> '		
989	<i>Dryopteris erythrosora</i>		7 / 2019 - EC	2 (2)	M	6--9			
990	<i>Dryopteris erythrosora</i> <i>prolifera</i>	pic	8 / 2020 - BA	9 (24)	SM	6--			
993	<i>Dryopteris expansa</i>	pic	6 / 2020 - BA	18 (18)	SM	3--8	Wild collected Everett Washington.		
2169	<i>Dryopteris expansa</i> <i>crisped</i>	pic	8 / 2020 - MS	23 (23)	SM	3--8		10/17/2020	++

995	Dryopteris filix-mas	pic	7 / 2020 - LE	60 (148)	L	4-8	Wild collected: Czech Republic	3/9/2021	++
996	Dryopteris filix-mas Barnesii		7 / 2017 - BH	30 (30)	SL	4-8		12/21/2018	++
999	Dryopteris filix-mas Crispa		7 / 2017 - BH	19 (19)	SM	4-9		12/21/2018	++
2093	Dryopteris filix-mas Cristata Grandiceps	pic	7 / 2017 - BA	35 (35)	M	4-8		12/23/2018	++
2146	Dryopteris filix-mas Decomposita		2017 - BH	1 (1)	M	4-8	Small quantity per packet.	12/11/2018	++
1011	Dryopteris filix-mas Fluctuosa Cristata	pic	7 / 2020 - BA	18 (58)	SM	4?--			
2122	Dryopteris filix-mas Furcans		7 / 2017 - BH	23 (23)	M	5-8		12/26/2018	++
2194	Dryopteris filix-mas Incisa	pic	7 / 2019 - ZS	15 (15)		--		1/16/2021	++
2147	Dryopteris filix-mas Incisa Cristata Congesta		2017 - BH	7 (7)	ML	4-8		12/26/2018	++
1014	Dryopteris filix-mas Linearis		9 / 2013 - BH	2 (2)	M	5--	Small quantity per packet.	1/14/2020	+
1018	Dryopteris filix-mas Linearis Polydactyla	pic	7 / 2020 - BA	23 (58)	L	4--			
1036	Dryopteris fuscipes	pic	10 / 2020 - BA	12 (30)	M	7--11			
1102	Dryopteris fuscipes?	pic	10 / 2020 - BA	15 (56)	M	*--	* Survived 12°F. Was D. sp.3 Nanjing China		
2065	Dryopteris glabra glabra	pic	9 / 2014 - BA	4 (4)	M	9--	Wild collected in Kauai.	1/14/2020	++
1042	Dryopteris goldiana		10 / 2010 - DY	10 (10)	ML	3-8		11/4/2020	+?
1048	Dryopteris hawaiiensis	pic	7 / 2019 - BA	10 (49)	ML	8?--			
1050	Dryopteris hondoensis		8 / 2014 - KVB	2 (2)	M	4-8		1/14/2020	+?
1053	Dryopteris intermedia	pic	6 / 2021 - AB	25 (97)	M	3-8	Syn: D. spinulosa var. intermedia	7/22/2021	++
1057	Dryopteris juxtaposita	pic	7 / 2019 - ZS	20 (20)	ML	7--		1/16/2021	++
1058	Dryopteris koidzumiana	pic	8 / 2019 - SM2	9 (9)	M	7--10	Dryopteris erythrosora var. koidzumiana	10/19/2019	++
2121	Dryopteris lacunosa		7 / 2017 - BH	14 (14)	L	4-8	This species was split from D. borrieri in 2011.	12/26/2018	+
2195	Dryopteris magellanica	pic	7 / 2019 - ZS	50 (50)		--	Unknown species. Maybe misnamed.	1/16/2021	++
1064	Dryopteris marginalis	pic	7 / 2020 - BA	17 (92)	M	2-8			
1067	Dryopteris mindshelkensis	pic	7 / 2019 - ZS	5 (6)	SM	6-8	Dryopteris submontana, D. villarii ssp submonta	1/16/2021	++
1069	Dryopteris munchii		2009 - BJH	3 (3)	M	7--11		9/1/2018	+?
1070	Dryopteris namegatae	pic	7 / 2019 - ZS	10 (10)	M	7-9		2/15/2021	++
1074	Dryopteris oreades		7 / 2020 - LE	20 (20)	M	4-8	Wild collected: Scotland	3/9/2021	++
930	Dryopteris pseudodisjuncta		7 / 2020 - MG	3 (3)	L	5--	Syn: D. affinis pseudodisjuncta. Small qnty.		
1085	Dryopteris purpurella	pic	8 / 2020 - BA	39 (94)	SM	5-9	Syn: D. erythrosora var. purpurascens		
1087	Dryopteris ramosa	pic	7 / 2020 - BA	12 (12)	L	6--		6/18/2021	++
1096	Dryopteris sieboldii	pic	8 / 2020 - BA	20 (52)	SM	6-9			
1103	Dryopteris sp. 4 Zijin Mtn. China	pic	6 / 2020 - BA	20 (82)	M	*--	* Survived 12°F.		
1105	Dryopteris sp. 6 Hangzhou Ch.	pic	11 / 2020 - BA	20 (84)	M	*--	* Survived 12°F.		
1106	Dryopteris sp. 7 Zijin Mtn. China	pic	11 / 2020 - BA	12 (125)	M	*--	* Survived 12°F.		
1107	Dryopteris sp. 8 Hangzhou China	pic	10 / 2020 - BA	30 (80)	M	*--	* Survived 12°F.		
1108	Dryopteris sp. 9 Guilin China	pic	7 / 2020 - BA	14 (34)	M	*--	* Survived 32°F but not 25°F.		
1110	Dryopteris stewartii	pic	7 / 2017 - BA	1 (2)	ML	5-8	Small quantity per packet.	12/21/2018	++
1111	Dryopteris subarborea		10 / 2019 - DY	5 (71)	M	9--			
1112	Dryopteris sublacera	pic	9 / 2020 - BA	4 (24)	M	6-8			
1104	Dryopteris sublacera? Kunming China	pic	9 / 2020 - BA	12 (52)	M	*--	Was Dryopteris sp. 5. * Survived 12°F.		
1113	Dryopteris tokyoensis	pic	7 / 2020 - BA	19 (54)	M	5-8			
1120	Dryopteris varia	pic	7 / 2019 - ZS	40 (40)	M	6-9		1/16/2021	++
1122	Dryopteris villarii		7 / 2017 - BH	7 (7)	M	7--		1/15/2020	+?
1124	Dryopteris wallichiana	pic	8 / 2014 - BA	12 (31)	L	6--10	Wild collected in Kauai. Syn: D. paleacea	4/25/2021	+
2202	Dryopteris xanthomelas	pic	8 / 2019 - ZS	10 (10)	M	--	Syn: Dryopteris rosthornii	2/16/2021	+
1128	Elaphoglossum apodum		9 / 2020 - BA	8 (10)	S	12?--		6/18/2021	++
2060	Elaphoglossum crassifolium	pic	6 / 2021 - BA	8 (8)	M	11--		6/15/2021	+
1131	Elaphoglossum crinitum	pic	7 / 2021 - BA	12 (12)	SM	12--	Syn: Hymenodium crinitum	7/14/2021	++
1139	Elaphoglossum metallicum		5 / 2021 - BA	12 (48)	S	10?--			
2183	Gymnocarpium disjunctum		7 / 2020 - MS	76 (76)		4-8	From 57 degree northern latitude.	10/17/2020	++
1174	Gymnocarpium jessoense	pic	6 / 2015 - BA	2 (2)	S	3--		11/5/2020	+
1180	Histiopteris incisa		2017 - BH	3 (3)	VL	8--		4/27/2021	+
1182	Hypodematium crenatum		9 / 2013 - BA	2 (2)	M	9--		11/5/2020	++
1184	Hypolepis ambigua		2017 - BH	8 (10)	L	8--10		11/5/2020	++
2182	Hypolepis glandulifera		7 / 2020 - WN	5 (5)	L	10--	Small quantity per packet.	10/17/2020	++
1187	Hypolepis muelleri		3 / 2019 - TT	2 (2)	L	8--	Wild collected in Vic Australia. Small qnty/pk.	3/14/2020	++
1205	Lastreopsis marginans	pic	1 / 2020 - LF	18 (18)	ML	--		4/5/2020	++
2172	Lastreopsis munita		7 / 2019 - TT	22 (22)	SM	10--	Wild collected in Vic. Australia.	4/27/2021	+
1212	Lecanopteris sinuosa	pic	11 / 2020 - BA	4 (5)	S	11?--	Syn: Myrmecopteris sinuosa		
1218	Lepisorus boninensis		11 / 2013 - BA	6 (6)	S	9--		4/9/2021	+
2163	Lepisorus sp. 1 Guangxi China	pic	10 / 2019 - BA	5 (5)	S	--	Probably L. thunbergianus.		
1251	Lycopodium clavatum		9 / 2019 - JK	25 (49)	M	3--	Wild coll. in WV. Special culture req'd.		
1263	Lygodium japonicum		5 / 2020 - BA	1 (78)	VL	7--10	Not for south central US, SE US, HI, or PR.		
1266	Lygodium palmatum	pic	2 / 2021 - BA	13 (13)	VL	3--10		3/19/2021	++
2125	Macrothelypteris sp. 1	pic	8 / 2019 - BA	11 (25)	M	--	Not M. torresiana, spore surface is different.		
1271	Macrothelypteris torresiana		8 / 2019 - MG	6 (6)	L	8--10	Syn: Thelypteris torresiana, T. uliginosa		
1278	Marsilea drummondii	pic	9 / 2020 - BA	3 (15)	S	9--	2 sporocarps per packet.		
2118	Marsilea vestita		6 / 2017 - RZ	45 (45)	S	3--11	Sporocarps, UMD Marsilea Genome Project	8/25/2019	++
1282	Matteuccia orientalis		2 / 2020 - DJ	1 (1)	M	6-8	Syn: Pentarhizidium orientale. Green spores.	2/26/2020	++
1288	Microgramma lycopodioides	pic	7 / 2021 - BA	8 (14)	S	10--		7/13/2021	++
1291	Microgramma piloselloides	pic	8 / 2020 - BA	10 (24)	VS	11--			
1295	Microlepis marginata	pic	8 / 2020 - BA	10 (48)	SM	8*--	* Survived 12°F		
1306	Microsorium fortunei	pic	3 / 2020 - BA	7 (46)	M	9--11	Syn: Polypodium normale		
2220	Microsorium fortunei?	pic	12 / 2020 - FS	15 (15)		--		3/2/2021	++
1307	Microsorium grossum	pic	1 / 2020 - LF	13 (13)	M	9--		5/9/2020	+
2226	Microsorium grossum?	pic	4 / 2021 - AB	2 (2)		--		5/1/2021	+
1310	Microsorium lucidum	pic	3 / 2020 - BA	19 (56)	SM	9--	Syn: Phymatosorus cuspidatus		
1313	Microsorium membranifolium	pic	10 / 2018 - BA	2 (7)	M	11?--	Syn: M. alternifolium, Phymatosorus nigrescens	5/20/2021	+?
1314	Microsorium musifolium		2 / 2015 - KT	55 (55)	M	11--		5/1/2021	+
1317	Microsorium pappei	pic	8 / 2018 - BA	14 (21)	M	12?--			
1322	Microsorium punctatum Grandiceps	pic	2 / 2019 - LF	11 (17)	M	10--		5/28/2019	++
1324	Microsorium pustulatum		4 / 2021 - AB	1 (29)	SM	9--	Syn: Microsorium diversifolium	5/1/2021	+

2174	Microsorium sp. 1	pic	1 / 2020 - LF	9 (9)	M	--			
1332	Microsorium vieillardii	pic	8 / 2020 - BA	15 (40)	M	12?--	Syn: Phymatodes vieillardii		
1342	Nephrolepis cordifolia		5 / 2021 - AB	8 (8)	M	9--11	Nephrolepis auriculata, Nephrolepis tuberosa	6/25/2021	++
1355	Nephrolepis falcata Furcans	pic	1 / 2020 - LF	5 (5)	ML	12?--		4/5/2020	+
1359	Nephrolepis pendula		11 / 2020 - DY	3 (3)	VL	9--	Small quantity per packet.	12/21/2020	++
1379	Onoclea sensibilis		4 / 2021 - BA	19 (52)	M	2--10		4/25/2021	++
1383	Onychium sp. 1 Kunming China	pic	9 / 2021 - BA	8 (65)	L	*--	* Survived 18°F with mulch.		
2149	Onychium sp. 2 China		2017 - BH	3 (3)		--	Small quantity per packet.	11/5/2020	++
1944	Oreopteris limbosperma		7 / 2020 - LE	11 (11)	ML	5--9	Wild collected: Austrian Alps	3/9/2021	++
2173	Oreopteris limbosperma Cristata Gracilis	pic	1 / 2020 - LF	36 (36)	M	5--9	Unsured of fern identity.	4/5/2020	++
1392	Osmunda regalis		6 / 2021 - AB	50 (50)	VL	2--10		7/14/2021	++
1389	Osmundastrum cinnamomeum	pic	6 / 2021 - BA	5 (5)	L	2--10	Spores in cold storage.	6/4/2021	++
1411	Pecluma pectinata		9 / 2020 - DY	7 (7)	M	10--11		1/20/2021	++
1418	Pellaea cordifolia		1 / 2020 - DY	3 (52)	SM	8--11	Syn: Pellaea cordata, P. sagittata v. cordata		
1420	Pellaea falcata		7 / 2020 - BA	5 (6)	SM	8--			
1429	Pellaea ovata		7 / 2021 - BA	12 (21)	M	8--10			
1432	Pellaea rotundifolia	pic	7 / 2020 - BA	13 (24)	S	9--10			
2131	Pellaea sp. 1	pic	4 / 2018 - FW	10 (10)	SM	--	Probably P. falcata.		
1438	Pellaea viridis		7 / 2021 - BA	6 (46)	SM	10--	Syn: Cheilanthes viridis, Pellaea hastata		
1441	Pellaea wrightiana	pic	8 / 2020 - BA	10 (19)	SM	7--9	P. truncata x P. ternifolia		
1450	Phegopteris decursive-pinnata	pic	9 / 2020 - BA	17 (42)	M	4--10	Syn: Thelypteris decursive-pinnata		
1455	Phlebodium aureum Ekstrand	pic	8 / 2019 - BA	6 (21)	M	9?--			
1457	Phlebodium aureum Mandianum	pic	1 / 2020 - LF	8 (8)	L	11--			
1458	Phlebodium pseudoaureum Mexican Tassel	pic	9 / 2018 - BA	3 (3)	M	9?--		4/5/2020	++
1497	Pityrogramma austroamericana	pic	8 / 2019 - BA	7 (21)	SM	9--	Syn: P. calomelanos var. a.		
1502	Pityrogramma ebenea		2 / 2015 - KT	7 (7)	M	--	Syn: Pityrogramma tartarea	11/5/2020	+
1509	Platyterium andinum	pic	2 / 2015 - KT	12 (12)	VL	11--		11/5/2020	+?
1511	Platyterium bifurcatum		4 / 2021 - AB	12 (23)	M	10--		4/29/2021	++
1515	Platyterium bifurcatum Gresham		11 / 2010 - HM	4 (13)	M	10?--		3/9/2021	+
1518	Platyterium bifurcatum Majus		11 / 2010 - HM	15 (15)	M	10?--		11/5/2020	++
2099	Platyterium 'Bloomei'		6 / 2015 - DE2	30 (30)		10--	Syn: Platyterium hillii Bloomei	11/5/2020	++
1531	Platyterium hillii Bahia		? - DE2	11 (11)	M	10--		11/5/2020	++
1535	Platyterium madagascariense		2 / 2021 - MO	14 (14)	S	11--		3/4/2021	++
2098	Platyterium 'Pumila'		6 / 2015 - DE2	50 (50)		10--	Syn: P. 'Pumilum' or P. hillii Pumilum	11/5/2020	++
1540	Platyterium superbum		2020 - CB	17 (17)	L	10--	Syn: Platyterium grande var. tambourinense	6/28/2020	++
1543	Platyterium veitchii		7 / 2019 - RJ	4 (4)	SM	10--	Syn: Platyterium bifurcatum var. veitchii		
2164	Platyterium willinckii Bogor source 1		9 / 2019 - CB	1 (1)	L	10?--		12/27/2019	++
2165	Platyterium willinckii Bogor source 2		9 / 2019 - CB	2 (2)	L	10?--		12/27/2019	++
1595	Pleopeltis lepidotricha		9 / 2019 - DY	10 (10)	M	--	Syn: Polypodium lepidotrichum		
1618	Pleopeltis squamata	pic	11 / 2019 - BA	12 (23)	M	10?--	Syn: Polypodium squamatum		
1563	Polypodium appalachianum		7 / 2012 - JK	15 (15)	SM	4--	Wild collected, Hocking Forest, OH.		
2108	Polypodium californicum? Once-forked frond	pic	4 / 2020 - BA	15 (63)	SM	8--	Was "Polypodium sp.1 Forked Fronds".	5/3/2020	++
1568	Polypodium cambricum		11 / 2019 - AV	7 (7)	S	7--9	P. australe, Polypodium vulgare var. cambricum		
1590	Polypodium glycyrrhiza		9 / 2019 - MS	35 (62)	SM	5--8	From 57 degree northern latitude.		
1592	Polypodium hesperium	pic	7 / 2021 - BA	20 (54)	S	4--	P. amorphum x P. glycyrrhiza		
2187	Polypodium pellucidum acuminatum	pic	12 / 2020 - BA	8 (8)	SM	9?--			
1603	Polypodium pellucidum pellucidum	pic	12 / 2019 - BA	5 (5)	SM	9?--			
1615	Polypodium scouleri	pic	2 / 2021 - BA	6 (48)	SM	8--9		3/5/2021	++
2134	Polypodium sp. 1 Gullin China	pic	12 / 2020 - BA	3 (3)	SM	*--	* Survived 28F.		
1621	Polypodium vulgare		2 / 2020 - MAV	7 (8)	S	5--8		10/17/2020	++
1632	Polystichum acrostichoides	pic	7 / 2019 - ZS	19 (19)	M	3--9		1/16/2021	++
1638	Polystichum aculeatum		10 / 2020 - LE	29 (30)	M	4--8	Wild collected: Austrian Alps	3/9/2021	++
1642	Polystichum andersonii	pic	7 / 2019 - ZS	24 (164)	ML	6--8		1/16/2021	++
1646	Polystichum braunii		8 / 2019 - MS	31 (143)	M	3--8	From 57 degree northern latitude.		
2197	Polystichum braunii purshii	pic	7 / 2019 - ZS	24 (24)	M	--	North American form of P. braunii.	2/19/2021	++
1658	Polystichum imbricans imbricans	pic	8 / 2010 - BA	7 (7)	SM	5?--	Collected in S. Oregon at 7000 ft.	5/3/2020	++
1663	Polystichum lonchitis		7 / 2020 - BA	30 (83)	M	3--8			
2056	Polystichum luctuosum	pic	7 / 2020 - BA	20 (37)	M	6--8	Fronde gray-green. Syn: P. tsus-simense.		
1666	Polystichum makinoi	pic	8 / 2018 - ZS	5 (5)	ML	5--9		2/12/2021	++
1669	Polystichum microchlamys	pic	10 / 2018 - BA	25 (25)	M	6?--			
1671	Polystichum mohrioides Elegans	pic	7 / 2019 - ZS	38 (38)	S	5--8		1/16/2021	+
1672	Polystichum munitum		7 / 2019 - MS	96 (212)	ML	6--9	Coll on Baranof Isl, north end of its range.		
1676	Polystichum neolobatum		6 / 2018 - BA	46 (123)	M	5--8			
1679	Polystichum polyblepharum	pic	5 / 2021 - BA	12 (14)	M	6--9		6/4/2021	++
1689	Polystichum rigens	pic	6 / 2020 - BA	30 (90)	M	6--8			
1694	Polystichum setiferum Congestum	pic	7 / 2019 - ZS	48 (48)	S	6--8		1/16/2021	++
1704	Polystichum setiferum Dactylis	pic	8 / 2019 - ZS	12 (12)	M	6--		2/11/2021	++
1706	Polystichum setiferum Divisilobum	pic	7 / 2020 - BA	28 (118)	ML	6--			
2205	Polystichum setiferum Gabeljurgel	pic	8 / 2019 - ZS	7 (7)	M	6--		2/19/2021	++
1735	Polystichum setigerum		8 / 2018 - MS	57 (57)	M	6--8	Presumed hybrid: P. munitum x P. braunii.	3/1/2020	++
1746	Polystichum tsus-simense	pic	7 / 2021 - BA	30 (59)	SM	6--9	Fronde dark-green. Syn: P. luctuosum.		
1751	Polystichum xiphophyllum	pic	7 / 2015 - BA	41 (54)	M	6--8		11/5/2020	+?
1780	Pteris cretica	pic	7 / 2020 - BA	3 (3)	M	8--11			
1781	Pteris cretica albolineata	pic	11 / 2018 - BA	18 (26)	M	8--11	Syn: Pteris nipponica		
1786	Pteris cretica Mayi	pic	11 / 2018 - LF	16 (16)	SM	8?--		5/28/2019	++
1794	Pteris dactylina		8 / 2019 - BH	6 (6)	SM	--			
1796	Pteris ensiformis		2009 - BJH	4 (4)	SM	9--10		11/5/2020	+
1800	Pteris fauriei	pic	8 / 2017 - BA	10 (65)	SM	9--		11/5/2020	++
1801	Pteris friesii?	pic	12 / 2020 - FS	12 (12)	M	--	Syn: Pteris catoptera var. friesii	3/2/2021	+
1802	Pteris gallinopes	pic	6 / 2018 - BA	15 (46)	SM	*--	Maybe Pteris henryi. * Survived 12°F.		
2061	Pteris hillebrandii	pic	8 / 2020 - BA	17 (21)	M	*--	Syn: P. x hillebrandii. * Survived 12°F.		
1810	Pteris multifida	pic	8 / 2020 - BA	13 (21)	SM	6--11	Syn: Pteris serrulata		

1811	<i>Pteris pacifica</i>		11 / 2019 - TT	13 (13)	M	9--	Wild collected in Vanuatu.	3/14/2020	++
2008	<i>Pteris scaberrigens</i>		11 / 2012 - BH	2 (2)	M	9?--11?	Small quantity per packet.	11/5/2020	++
1820	<i>Pteris semipinnata</i>	pic	12 / 2018 - BA	3 (12)	M	8--			
1821	<i>Pteris sp. 1</i>	pic	7 / 2021 - BA	8 (33)	M	--			
1823	<i>Pteris tremula</i>		6 / 2019 - BA	23 (23)	M	8--11			
1826	<i>Pteris umbrosa</i>		12 / 2019 - TT	13 (13)	ML	9*--	* Zn8 with protection. Wild from Vic, Australia.	3/14/2020	++
1827	<i>Pteris vittata</i>		2 / 2015 - KT	15 (26)	M	9--11		11/5/2020	++
1831	<i>Pteris wallichiana</i>		7 / 2006 - BJH	5 (5)	L	9--10?		1/15/2021	+
2139	<i>Ptisana fraxinea salicifolia</i>		2018 - FW	4 (4)	ML	11--	Syn: <i>Marattiafraxinea</i> var. <i>salicifolia</i>	3/5/2020	+
1842	<i>Pyrosia lingua</i>	pic	3 / 2020 - BA	13 (28)	S	8--10	Origin: Guilin, in N Guangxi Province, China		
2221	<i>Pyrosia lingua Futuba Shishi</i>		12 / 2020 - LF	14 (14)	S	--		3/2/2021	++
2219	<i>Pyrosia lingua Yangsheo</i>		11 / 2020 - FS	7 (7)	S	8--10		3/2/2021	+
2227	<i>Pyrosia nummulariifolia</i>	pic	4 / 2021 - PW	15 (15)	VS	--	Syn: <i>Pyrosia obovata</i>	5/3/2021	+
2097	<i>Pyrosia petiolosa</i>	pic	12 / 2016 - BA	8 (13)	S	8*--	* maybe Zn <7. Origin: Shilin, Yunnan China.	11/5/2020	++
1846	<i>Pyrosia piloselloides</i>	pic	9 / 2020 - BA	6 (6)	VS	11?--	Syn: <i>Drymoglossum piloselloides</i> . Small qty.		
1847	<i>Pyrosia polydactyla</i>	pic	1 / 2020 - BA	7 (28)	S	8--10			
2224	<i>Pyrosia polydactyla?</i>	pic	12 / 2020 - FS	11 (11)	S	--		3/2/2021	+?
2130	<i>Pyrosia porosa</i>	pic	7 / 2021 - BA	10 (29)	S	8--11			
1851	<i>Pyrosia sheareri</i>	pic	4 / 2021 - BA	39 (65)	M	8--10		4/24/2021	++
2150	<i>Pyrosia sheareri</i>		2017 - BH	1 (1)	M	8--10	Origin: Taiwan	12/11/2018	++
2142	<i>Pyrosia similis</i>	pic	9 / 2017 - RB2	4 (4)	SM	7--	This might be a form of <i>P. lingua</i> .	11/5/2020	+
1853	<i>Pyrosia subfurfuracea</i>	pic	12 / 2019 - BA	10 (32)	M	*--	* Survived 30°F.		
1856	<i>Rumohra adiantiformis</i>		11 / 2019 - BA	20 (26)	M	8--10	Syn: <i>Polystichum adiantiforme</i> .		
2191	<i>Rumohra adiantiformis africana</i>		11 / 2019 - AV	2 (2)	M	8--10	Small quantity per packet.		
1857	<i>Sadleria cyatheoides</i>		4 / 2017 - AP	27 (27)	L	9--		11/5/2020	++
1872	<i>Selliguea feei</i>		10 / 2019 - DY	6 (16)	S	*--13?	* Survived 33°F.	3/5/2020	++
1873	<i>Selliguea hastata</i>	pic	7 / 2021 - BA	8 (40)	SM	8--	Syn: <i>Crypsinus hastatus</i>		
1876	<i>Serpocaulon dissimile</i>	pic	8 / 2020 - BA	12 (43)	ML	12?--	Syn: <i>Polypodium dissimile</i>		
1878	<i>Serpocaulon levigatum</i>		11 / 2018 - DY	8 (8)	S	11--	<i>Polypodium levigatum</i> , <i>P. glaucophyllum</i>	2/10/2019	+
1597	<i>Serpocaulon loriceum</i>	pic	7 / 2020 - BA	8 (25)	M	11--	Syn: <i>Polypodium loriceum</i>		
1880	<i>Serpocaulon meniscifolium</i>	pic	8 / 2020 - BA	14 (31)	ML	--	Was <i>S. sp. 1</i> . Origin: Porto Alegre, Brazil		
1881	<i>Solanopteris brunei</i>	pic	3 / 2021 - BA	3 (3)	S	11?--	Syn: <i>Microgramma brunei</i> . Small qty per pkt.	4/3/2021	++
1248	<i>Spinulum annotinum</i>		9 / 2019 - JK	29 (39)	S	3--	Syn: <i>Lycopodium a.</i> . Special culture req'd.		
2088	<i>Tectaria gaudichaudii</i>		2 / 2020 - BA	4 (10)	L	12--		3/19/2021	++
2133	<i>Tectaria sp. 2</i>	pic	7 / 2018 - BA	24 (24)	M	--			
1927	<i>Tectaria zeylanica</i>	pic	8 / 2020 - BA	12 (37)	S	9--	Syn: <i>Quercifilix zeylanica</i>		
1943	<i>Thelypteris kunthii</i>	pic	7 / 2018 - BA	8 (32)	ML	8*--10	Syn: <i>Christella normalis</i> * Zone 6 by some.	12/23/2018	++
1949	<i>Thelypteris palustris</i>		8 / 2019 - MG	3 (3)	M	3--9			
1965	<i>Thelypteris rheophyta?</i>	pic	8 / 2020 - BA	3 (11)	SM	12?--	Syn: <i>Amauropelta rheophyta</i>		
2223	<i>Thelypteris? sp. 1</i>	pic	12 / 2020 - FS	12 (12)	--	--	Spore origin: South Africa	3/2/2021	++
1970	<i>Todea barbara</i>	pic	10 / 2020 - BA	6 (6)	M	9--	Spores in cold storage.	1/15/2021	++
2181	unknown sp. 2 Australia	pic	6 / 2020 - MAV	5 (5)	--	--	Maybe <i>Pneumatopteris costata</i> .	10/17/2020	++
1978	<i>Vittaria lineata</i>	pic	6 / 2021 - BA	7 (25)	L	10--11		7/7/2021	++
1987	<i>Woodsia obtusa</i>	pic	6 / 2020 - BA	7 (10)	S	3--8		7/19/2021	++
1993	<i>Woodsia pseudopolystichoidea</i>	pic	7 / 2020 - BA	15 (35)	S	4--	Syn: <i>Woodsia ilvensis</i> var. <i>pseudopolystichoidea</i>		
1996	<i>Woodwardia areolata</i>	pic	1 / 2021 - MM2	97 (97)	M	3--9	Syn: <i>Lorinseria areolata</i>	2/6/2021	++
1997	<i>Woodwardia fimbriata</i>		4 / 2021 - BA	14 (14)	VL	8--10	Syn: <i>Woodwardia chamissoi</i>	4/24/2021	++
2045	<i>Woodwardia sp. 1 Phonsavan Laos</i>	pic	10 / 2013 - OE	51 (51)	L	--	Wild collected near Plain of Jars, Laos	11/5/2020	+
2003	<i>Woodwardia unigemmata</i>		10 / 2020 - SM2	24 (24)	ML	8--11			

Free spores	(Order no.) Species	Sow Date (result) of viability test
These species had little or no germination in viability tests but you might have better luck. Germination test results are shown in brackets. Those with minimal germination "(- ?)" were assumed to be non-viable but may contain unknown contaminant spores. These species are offered for free to members and nonmembers. Please, request only one packet per species.	(6) <i>Adiantum aethiopicum</i>	11/4/2020 (-)
	(14) <i>Adiantum anceps</i>	11/4/2020 (-)
	(139) <i>Arachniodes aristata</i>	11/4/2020 (-)
	(173) <i>Asplenium antiquum</i>	11/4/2020 (-)
	(186) <i>Asplenium bulbiferum</i>	10/17/2020 (-)
	(229) <i>Asplenium juglandifolium</i>	11/4/2020 (-)
	(274) <i>Asplenium polyodon</i>	11/4/2020 (-)
	(336) <i>Athyrium angustum</i>	11/4/2020 (-)
	(394) <i>Athyrium x 'Ghost'</i>	11/4/2020 (-)
	(458) <i>Blechnum falciforme</i>	11/4/2020 (- ?)
	(460) <i>Blechnum fluviatile</i>	12/21/2020 (- ?)
	(2044) <i>Blechnum orientale?</i>	11/4/2020 (- ?)
	(487) <i>Blechnum schiedeianum</i>	12/21/20 (- ?)
	(2178) <i>Blechnum sp. 2 Guadeloupe</i>	10/17/2020 (-)
	(2039) <i>Calochlaena villosa</i>	11/4/2020 (- ?)
	(611) <i>Cibotium barometz</i>	11/4/2020 (- ?)
	(612) <i>Cibotium chamissoi</i>	11/4/2020 (-)
	(615) <i>Cibotium schiedeii</i>	3/2/2021 (- ?)
	(650) <i>Cyathea brownii</i>	11/4/2020 (- ?)
	(2111) <i>Cyathea cooperi</i> Cinnamon	11/4/2020 (-)
	(2155) <i>Cyathea cooperi</i> Crested	11/4/2020 (- ?)
	(664) <i>Cyathea cooperi</i> Revolvulum	11/4/2020 (-)
	(673) <i>Cyathea felina</i>	11/4/2020 (- ?)
	(699) <i>Cyathea princeps</i>	11/4/2020 (- ?)
	(2177) <i>Cyathea sp. 9 Guadeloupe</i>	10/17/2020 (-)
	(2179) <i>Cyathea sp. 10 Guadeloupe</i>	10/17/2020 (- ?)
	(712) <i>Cyathea spinulosa</i>	11/4/2020 (-)
	(735) <i>Cyrtomium falcatum</i> Rochfordi	11/4/2020 (-)
	(776) <i>Davallia mariesii</i>	10/17/2020 (-)

(814) Dicksonia fibrosa	11/4/2020 (-)
(821) Dicksonia youngiae	11/4/2020 (-)
(830) Diplazium australe	11/4/2020 (-)
(874) Doodia caudata?	11/4/2020 (-)
(877) Doodia kunthiana	11/4/2020 (-?)
(2123) Dryopteris xcomplexa Stab	11/4/2020 (-)
(977) Dryopteris dickinsii Incisa	11/4/2020 (-)
(1033) Dryopteris formosana	11/4/2020 (-)
(1037) Dryopteris fusco-atra	11/4/2020 (-?)
(1057) Dryopteris juxtaposita	11/4/2020 (-)
(2145) Dryopteris pentheri	11/5/2020 (-)
(1083) Dryopteris pulcherrima	11/5/2020 (-)
(1089) Dryopteris remota	11/5/2020 (-)
(1095) Dryopteris sichotensis	11/5/2020 (-?)
(1109) Dryopteris stenolepis?	11/5/2020 (-?)
(2040) Elaphoglossum hybridum	11/5/2020 (-)
(2041) Elaphoglossum plumosum	11/5/2020 (-?)
(2175) Elaphoglossum yoshinagae	10/17/2020 (-)
(1186) Hypolepis millefolium	11/5/2020 (-)
(1245) Lophosoria quadripinnata	11/5/2020 (-)
(1321) Microsorium punctatum	10/17/2020 (-)
(2113) Microsorium spectrum	11/5/2020 (-)
(1452) Phlebodium aureum	11/5/2020 (-)
(1514) Platycerium bifurcatum dwarf	11/5/2020 (-?)
(1525) Platycerium 'Celebes'	3/9/2021 (-?)
(1532) Platycerium hillii Panama	11/5/2020 (-)
(1548) Platycerium willinckii Pygm	11/5/2020 (-?)
(1619) Pleopeltis thyssanolepis	11/5/2020 (-)
(1632) Polystichum acrostichoides	11/5/2020 (-)
(1643) Polystichum andinum	11/5/2020 (-)
(1683) Polystichum proliferum	11/5/2020 (-?)
(2138) Polystichum setiferum Ramo	11/5/2020 (-?)
(1755) Pronephrium triphyllum	10/17/2020 (-)
(1824) Pteris tricolor	11/5/2020 (-?)
(1894) Stenochlaena tenuifolia	11/5/2020 (-)
(2176) Tectaria sp.1 Guadeloupe	10/17/2020 (-?)
(1939) Thelypteris grandis	11/5/2020 (-)
(1940) Thelypteris guadalupensis	11/5/2020 (-)
(2180) unknown sp. 1 Guadeloupe	10/17/2020 (-?)

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