



## COMMERCIAL SEED LIST

May 5<sup>th</sup> 2024

Seeds sold either has 5 € "hobby bags" (containing 4 to 20 viable seeds), or in **amounts of grams** (prices per 10 g unless otherwise stated, minimum order per seedlot either 10 euros or 1 hobby bag). Very small or very large seeds, where this pricing system has proved to be impractical, are priced per 100 seeds or other reasonable amount.

Seeds collected at Arboretum Mustila are VAT free. For seed collected elsewhere the prices include VAT of 24%.

Cold hardiness approximations follow the Finnish zone system: I for the mildest climate of Southwest coast and islands, VIII for northern parts of Lapland.

\* marks a short-lived fresh-stored seed available only for a limited time (usually winter).

× marks seed-lot possibly or probably including hybrids due to open pollination.

♣ marks a species with known invasive tendency in certain situations of Finland

**New seeds** (spring 2024 acquiries) marked green

Please send your inquiries to: [arboretum@mustila.fi](mailto:arboretum@mustila.fi)

### CONIFERS

NAME	SEED SOURCE	HARDINESS	seeds/10 g	germ%	€ / 10 g
• <i>Abies alba</i>					
	Central Slovakia, 1000 m	I–II(–III)	200	40	10
	Central Slovakia, 425 m	I–?	200	50	15
	Romania, Covasna	I–II(–III)	200	60	20
	Finland, Mustila	I–II(–III)	200	10	20
• <i>Abies amabilis</i>					
	Finland, Mustila	I–II(–V)	250	20	20

NAME	SEED SOURCE	HARDINESS	seeds/10 g	germ%	€ / 10 g
• <i>Abies balsamea</i> ♣					
	Finland, Mustila (×)	I–VII(–VIII)	1000	30	20
	USA, Wisconsin	I–VI(–VIII)	1100	80	25
• <i>Abies bornmuelleriana</i>					
	Turkey, Bursa, Aladag	I(–III)	350	70	20
• <i>Abies concolor</i>					
	USA, Colorado, San Juan NF	I–III(–V)	350	70	12
	<del>USA, Uusi-Meksiko, Carson NF</del>	<del>OUT OF STOCK</del>			
• <i>Abies equi-trojani</i>					
	Turkey, Mt. Ida (Kazdagi)	I–II(–III)	350	50	20
• <i>Abies fraseri</i>					
	USA, NC, Roan Mountain	I–V	1100	40	20
• <i>Abies holophylla</i>					
	China	I–III(–IV)	300	70	25
	China	I–III(–IV)	300	70	33
	Finland, Mustila	I–III(–IV)	300	10	20
• <i>Abies koreana</i>					
	- tall ecotype:				
	Finland, Mustila (×)	I–IV(–V)	800	30	20
	- middling ecotype, selection for Christmas tree cultivation:				
	Denmark, Gravlunde (SV)	I–III(–IV)	800	50	20
	- small ecotype:				
	Finland, Hangö	I–III(–IV)	800	20	25
• <i>Abies lasiocarpa</i> var. <i>arizonica</i>					
	USA, Arizona, Apache NF	I–IV–?	900	50	25
• <i>Abies lasiocarpa</i> var. <i>lasiocarpa</i>					
	Canada, BC, Raft Mtn.	I–VI(–VIII)	900	50	25
• <i>Abies mariesii</i>					
	Finland, Mustila	I–III(–V)	300	15	10
• <i>Abies nephrolepis</i>					
	North China	I–V(–VII)	800	40	20
• <i>Abies nordmanniana</i>					
	Russia, Apsheronk-Mezmai	I–II(–III)	350	30	25
• <i>Abies procera</i>					
	Denmark, Bidstrup F545	I(–II)	250	70	20
• <i>Abies</i> × <i>shastensis</i> ( <i>Abies magnifica</i> var. <i>shastensis</i> )					
	USA, Oregon, Huckleberry Mtn. (I)		160	40	20
• <i>Abies sibirica</i>					
	Siberia, Kemerovo	I–VI(–VIII)	650	50	50
	Siberia, Novosibirsk	I–VI(–VIII)	700	30	33
• <i>Chamaecyparis pisifera</i>					
	Finland, Mustila	OUT OF STOCK			
	Japani, Nagano prefecture	OUT OF STOCK			

(hobby bags 4,00 € for all species, see above)

NAME	SEED SOURCE	HARDINESS	seeds/10 g	germ%	€ / 10 g
• <i>Chamaecyparis obtusa</i>	Japan, Nagano pref.	I(–III)	5000	70	140
• <i>Cupressus nootkatensis</i>	Finland, Hangö	I–II	2000	50	140
• <i>Larix archangelica</i> ( <i>L. sibirica</i> western ecotype a.k.a. "var. <i>sukaczewii</i> ")	Finland, Imatra, SV 356	I–VII	1000	30	25
• <i>Larix decidua</i>	Slovakia, Lower Tatras	I–VI	1500	60	16
• <i>Larix × eurolepis</i> ( <i>L. decidua</i> × <i>kaempferi</i> )	Denmark, Hølbæk fp23	OUT OF STOCK			
• <i>Larix gmelinii</i> var. <i>gmelinii</i>	North China (K09-18-304)	(I–)II–VI(–VIII)	2200	40	33
	North China (K09-20-279)	(I–)II–VI(–VIII)	2200	60	40
	North China (K09-20-325)	(I–)II–VI(–VIII)	2200	60	40
• <i>Larix kaempferi</i>	Finland, Mustila	I–V	3000	50	67
	Denmark, Frøslev F410	I–V	3000	80	40
• <i>Larix laricina</i>	Canada, Ontario, seed zone 26	I–VI(–VIII)	6000	60	100
• <i>Larix olgensis</i>	Northeast China	I–V	2200	50	40
• <i>Larix principis-rupprechtii</i>	North China	I–IV	1600	50	40
• <i>Larix sibirica</i> : see above <i>Larix archangelica</i>					
• <i>Metasequoia glyptostroboides</i>	China	(I)	4000	30	140
• <i>Picea abies</i>	Finland, Inkoo+Lohja	I–III(–V)	1600	85	16
	Finland, Mäntsälä+Orimattila	(I–)II–IV(–V)	1600	95	16
	Finland, Heinävesi+Leppävirta	II–V(–VI)	1600	95	16
	Finland, Enonkoski	(I)–III–VI(–VII)	1600	95	16
• <i>Picea × albertiana</i>	Finland, Mustila	I–VI	3000	5	10
• <i>Picea breweriana</i>	USA, Oregon, Rabbit Lake	I(–II)	1300	70	40
• <i>Picea engelmannii</i> f. <i>glauca</i>	USA, CO, San Juan NF	I–VI	4000	70	40
• <i>Picea glauca</i> var. <i>densata</i>	USA, SD, Black Hills NF	(I–)II–VI(–VIII)	3500	50	20
• <i>Picea glauca</i> var. <i>glauca</i>	Canada, Ontario, seed zone 24	I–VII	3500	70	25
	Canada, Ontario, seed zone 25	I–VII	3500	80	33
	Canada, Ontario, seed zone 18	(I–II) III–VIII	3500	80	33

(hobby bags 4,00 € for all species, see above)

NAME	SEED SOURCE	HARDINESS	seeds/10 g	germ%	€ / 10 g
• <i>Picea jezoënsis</i> var. <i>jezoënsis</i>	Finland, Mustila	I–IV	4000	50	40
• <i>Picea glehnii</i>	Finland, Mustila	I–V	2800	50	100
• <i>Picea koraiensis</i>	NE China (contains ca. 5% of <i>Picea jezoënsis</i> var. <i>komarovii</i> seed)	I–IV	4000	50	40
• <i>Picea mariana</i> , mustakuusi, svartgran	Canada, Nova Scotia	I–V(–VII)	6000	88	80
• <i>Picea omorika</i>	Finland, Ruokolahti	I–V(–VI)	2800	80	80
• <i>Picea pungens</i> f. <i>glauca</i>	Finland, South Tavastia prov. Finland, Elimäki USA, Arizona, Kaibab NF	I–VI I–VI I–IV(–VI)	2500 2500 2500	10 10 35	10 10 25
• <i>Picea rubens</i>	Canada, Ontario, seed zone 26	I–IV	3000	90	50
• <i>Pinus armandii</i>	Slovakia	I	45	51	12
• <i>Pinus banksiana</i>	Canada, Alberta, Vähä-Orjajärvi	(I–)II–VII	3000	30	20
• <i>Pinus cembra</i> ssp. <i>cembra</i>	Slovakia, Horné Mlynárovo	I–V(–VI)	45	57	12
• <i>Pinus cembra</i> ssp. <i>sibirica</i>	Finland	TEMPORARILY OUT OF STOCK			
• <i>Pinus mugo</i> var. <i>mugo</i> (var. <i>mughus</i> )	Finland, Hausjärvi Slovakia, Tatras	I–VII I–VII	2000 2000	20 50	10 16
• <i>Pinus mugo</i> var. <i>pumilio</i>	Italy, South Tirol	I–V	2000	80	33
• <i>Pinus mugo</i> var. <i>rotundata</i>	Denmark, Vang	I–VII	2000	70	33
• <i>Pinus nigra</i> subsp. <i>nigra</i>	Slovakia	I–II(–III)	450	70	20
• <i>Pinus peuce</i> ♣	Finland, Mustila	I–IV(–V)	200	70	20
• <i>Pinus resinosa</i>	Canada, Ontario, Ottawa	(I–III)	1000	70	40
• <i>Pinus sylvestris</i>	Finland, southeast (wild) Finland, south-central (wild) Finland, south (wild) Finland, seed orchard SV 124	I–III(–V) (I) II–IV(–VI) I–III(–V) (I–)III–IV(–VII)	1800 1800 1800 1600	80 80 80 94	16 16 16 20

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NAME	SEED SOURCE	HARDINESS	seeds/10 g	germ%	€ / 10 g
• <i>Pseudotsuga menziesii</i>					
	- forestry selections:				
	Finland, Kouvola (2017B)	I–IV(–VII)	1200	25	20
	Finland, Kouvola (2019)	I–IV(–VII)	1200	42	40
	Finland, Kouvola (2021)	I–IV(–VII)	1200	87	67
	Finland, Kouvola (2022)	I–IV(–VII)	1200	84	67
	<del>Finland, Mustila</del>	OUT OF STOCK			
	- garden/landscaping selections:				
	Finland, Kouvola (dense)	I– IV(–VII)	900	30	33
	Finland, Kouvola (bluish)	I– IV(–VII)	900	30	33
	Finland, Kouvola (narrow)	I– IV(–VII)	900	30	33
• <i>Sequoiadendron giganteum</i>					
	USA, California, Whittaker Forest (Ia)		1800	30	100
	USA, California, Mountain Home (Ia)		1800	40	200
• <i>Taxodium distichum</i>					
	USA, Arkansas-Missouri-line	(I)	110	60	25
• <i>Taxus cuspidata</i>					
	Finland, Mustila (×)	I–V	320	30	50
• <i>Thuja koraiensis</i>					
	Finland, Mustila	I–IV	6000	30	100
• <i>Thuja occidentalis</i>					
	Finland, Mustila	I–V	8000	50	100
• <i>Thuja plicata</i>					
	Finland, Mustila	I–II(–III)	6000	50	100
• <i>Tsuga canadensis</i>					
	<del>Finland, Mustila</del>	TEMPORARILY OUT OF STOCK			
• <i>Tsuga caroliniana</i>					
	Finland, Mustila	I–II(–III)	3000	30	140
• <i>Tsuga diversifolia</i>					
	Finland, Mustila	I–II(–III)	3000	50	140
• <i>Tsuga heterophylla</i>					
	Finland, Mustila	I–II(–V)	5000	30	100
• <i>Tsuga mertensiana</i>					
	Finland, Mustila	I–II(–III)	2500	30	140

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## BROAD-LEAVED TREES, SHRUBS, SUBSHRUBS AND VINES

NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Acer barbinerve</i>	Finland, Mustila	I-IV	150	20
	<del>Finland, Joutsa</del>	<del>TEMPORARILY OUT OF STOCK</del>		
• <i>Acer campestre</i>	Mustila	I-II(-III)	150	33
• <i>Acer circinatum</i>	Finland, Helsinki	I-II	150	33
• <i>Acer × freemanii</i>	USA, New York	I-III(-V)	400	40
• <i>Acer komarovii</i>	Finland, Joutsa	I-III	300	33
• <i>Acer mandshuricum</i>	<del>Finland, Mustila</del>	<del>TEMPORARILY OUT OF STOCK</del>		
	Finland, Joutsa	I-III (IV-V)	120	33
• <i>Acer negundo</i>	<del>Finland, Mustila</del>	<del>TEMPORARILY OUT OF STOCK</del>		
• <i>Acer pensylvanicum</i>	Finland, Mustila	I-III	200	20
• <i>Acer pictum</i> subsp. <i>mayrii</i>	Finland, Mustila	I-IV	120	20
• <i>Acer platanoides</i> ♣	Finland, Mustila	I-IV(-VI)	90	8
	Finland, Kouvola	I-IV(-VI)	90	8
• <i>Acer pseudosieboldianum</i>	Finland, Mustila	I-III(V)	200	40
• <i>Acer rubrum</i>	Finland, Mustila	I-III(-IV)	500	50
• <i>Acer saccharum</i>	<del>Canada, Nova Scotia</del>	<del>TEMPORARILY OUT OF STOCK</del>		
• <i>Acer spicatum</i>	- diverse:			
	Finland, Mustila	I-IV(-V)	200	20
	- ultra-northern ecotype:			
	Finland, Mustila	(I-)II-V(-VI)	200	20
• <i>Acer tataricum</i> subsp. <i>ginnala</i> ,	Finland, Joutsa	I-IV(-V)	350	20
	Finland, Mustila	I-IV(-V)	350	20
	USA, Idaho ("Cheyenne Red")	I-IV(-V)	350	20
• <i>Acer tataricum</i> subsp. <i>tataricum</i>	Finland, Mustila	I-V(-VI)	350	25
	Finland, Kouvola	I-V(-VI)	350	25

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NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Acer tegmentosum</i>	Finland, Joutsa	(I-)II-IV(-V)	200	25
	Russia, St. Petersburg	I-III(-V)	200	25
	China	I-III(-V)	200	25
• <i>Acer triflorum</i>	Finland, Mustila	I-III(-V)	60	20
• <i>Acer ukurunduense</i>	Finland, Mustila	I-IV (V)	200	25
• <i>Actinidia kolomikta</i>	Finland, Mustila	I-IV(-V)	6000	200
• <i>Aesculus glabra</i> *	- stored seed (available February-April):			
	USA, Missouri	I-III(-V)	5 € / 5 sds	25 € / 30 sds
• <i>Aesculus hippocastanum</i> *	- fresh seed (requests by September each year, please):			
	Finland, Kouvola	I-III(-IV)	5 € / 6 sds	11 € / 30 sds
	- stored seed (available ca. November till April):			
	Finland, Kouvola	I-III(-IV)	5 € / 6 sds	15 € / 30 sds
• <i>Aesculus × marylandica</i> *	- stored seed (available ca. November till April):			
	Finland, Mustila (×)	I-III(-V)	5 € / 5 sds	15 € / 30 sds
• <i>Alnus glutinosa</i>	Finland, Valkeakoski	I-VI(-VII)	700 itävää	33
• <i>Alnus incana</i>	Finland, Kouvola	I-VI(-VIII)	25 000	100
• <i>Alnus rubra</i>	USA, Idaho	(I-III)	25 000	333
• <i>Amelanchier alnifolia</i> ♣	Finland, Mustila	I-VI	1000	100
• <i>Aristolochia macrophylla</i>	Finland, Mustila	I-III (IV-V)	500	33
	USA, NC, Sunburst Falls	I-III (IV-V)	500	40
	USA, VA, Red Oak Mtn.	I-III (IV-V)	500	33
• <i>Aristolochia manshuriensis</i>	Russia, St. Petersburg	I-II	500	20
• <i>Artemisia cana</i>	USA, Wyoming	(I-IV)	5 € / 50 sds	10 € / 200+ sds
• <i>Asimina triloba</i> *	Michigan, Oikos Tree Crops			OUT OF STOCK
• <i>Betula albosinensis</i>	China	I-?	30000	333
• <i>Betula alleghaniensis</i>	Finland, Mustila	I-IV	4000	100

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NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Betula davurica</i>	NE China	I-III	5000	67
• <i>Betula lenta</i>	Finland, Lohjansaari	I-II	4000	200
• <i>Betula nigra</i>	USA, Virginia	I(-III)	5500	200
• <i>Betula papyrifera</i>	Canada, Nova Scotia	I-V	18 000	200
• <i>Betula pendula</i> var. <i>carelica</i>	Finland, Oitti, SV 453	I-V(-VII)	10 000	67
• <i>Betula pendula</i> var. <i>pendula</i>	Finland, Oitti, SV 466 / 468	I-V(-VI)	10 000	25
	Finland, Oitti, SV 413	(I) II-VII (VIII)	10 000	25
• <i>Betula pubescens</i>	<del>Oitti, SV 382</del>			TEMPORARILY OUT OF STOCK
	<del>Loppi, SV 394</del>			TEMPORARILY OUT OF STOCK
• <i>Buddleja albiflora</i>	Finland, Mustila	I(-IV)	5 000	333
• <i>Calycanthus floridus</i>	USA, Ohio	I-II	60	10
• <i>Caragana arborescens</i>	Finland, Kouvola	I-VI	500	25
• <i>Carpinus betulus</i>	Finland, Mustila	I-II (-III)	170	20
	Romania, Maramures *	I(-III)	170	20
	Slovakia, 250 m	I-?	250	12
• <i>Carpinus caroliniana</i>	Finland, Mustila	I-III	500	30
	Finland, Mustila (x)	I-III	500	33
	USA, WV, Green Bank	I-III	500	50
	USA, WV, Linwood	I-III	500	67
• <i>Carpinus japonica</i>	Japan, Nagano pref., 1000 m	I(-II)	1000	67
• <i>Carpinus turczaninovii</i> ,	Russia, Vladivostok	I(-II)	900	50
• <i>Carya glabra</i> *	USA, Kentucky	I(-II)	5 € / 4 sds	30 € / 30 sds
• <i>Carya laciniosa</i> *	USA, Kentucky	I(-II)	5 € / 4 sds	30 € / 30 sds
• <i>Carya ovata</i> *	USA, Kentucky	I(-III)	5 € / 5 sds	17 € / 30 sds
• <i>Castanea mollissima</i> *	- fresh-stored seed (available February-April):			
	USA, Michigan	(I-II)	5 € / 5 sds	25 € / 30 sds

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NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Catalpa ovata</i>	Finland, Inkoo	I(-III)	5 € / 30 sds	10 € / 100+ sds
• <i>Ceanothus sanguineus</i>	Canada, BC, Peachland	I-II	2000	100
• <i>Ceanothus velutinus</i>	Canada, BC, Merritt	I-II	2000	100
• <i>Celtis koraiensis</i>	China	I(-III)	65	16
• <i>Celtis occidentalis</i>	Canada, Manitoba	I-II(-III)	35	25
• <i>Cephalanthus occidentalis</i>	USA, Iowa	I(-III)	2000	40
• <i>Cercidiphyllum japonicum</i>	Finland, Helsinki	I-II(-IV)	5000	200
• <i>Cercidiphyllum magnificum</i>	Finland, Mustila	I-II(-III)	5000	200
• <i>Cercis canadensis</i>	USA, Illinois	(I)	300	20
	USA, WV, Hopeville	(I)	300	25
	USA, Michigan	(I)	300	25
	Canada, Ontario, seed zone 37	(I)	300	25
• <i>Chaenomeles japonica</i>	Finland, Mustila (best crop)	I-II(-III)	400	33
	Finland, Mustila (large fruits)	I-II(-III)	400	33
	Finland, Mustila (best hardiness)	I-II(-IV)	400	33
	Finland Mustila (early abundant mix)	I-II(-III)	400	33
• <i>Chamaedaphne calyculata</i>	Finland, Joutsa	I-VIII	5 € / 30 sds	10 € / 100+ sds
• <i>Chionanthus retusus</i>	North China	(I-II)	45	10
• <i>Cladrastis kentukea</i>	USA, Tennessee	I-II	250	20
	USA, Massachusetts	I-II	250	33
	USA, Missouri	I-II	250	33
	USA, Virginia	I-II	250	33
• <i>Clethra acuminata</i>	USA, Georgia, Rabun Bald	I(-III)	5 € / 30 sds	10 € / 100+ sds
• <i>Comarum palustre</i>	Finland, Padasjoki	I-VII	5 € / 30 sds	10 € / 100+ sds
	Finland, Sääksmäki	I-VII	5 € / 30 sds	10 € / 100+ sds
• <i>Cornus alternifolia</i>	Finland, Mustila	I-III(-?)	170	20
	USA, Missouri (3rd gen. select)	I-II(-?)	170	20

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NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Cornus kousa</i>				
	South Korea	(I–II)	140	20
	Japan, Nagano pref.	(I–II)	170	25
• <i>Corylopsis spicata</i>				
	Japan, Nara pref.	(I–II)	600	40
• <i>Corylus avellana</i> *				
	Finland, Pyhäranta	I–IV(–VI)	5 € / 10 sds	30 € / 100 sds
	<del>Finland, Mustila</del>			TEMPORARILY OUT OF STOCK
	<del>Finland, Ylämaa</del>			TEMPORARILY OUT OF STOCK
• <i>Corylus colurna</i> , turkinpähkinä, turkisk hassel *				
	Hollanti	I–II(–?)	5 € / 8 sds	25 € / 100 sds
	Pohjois-Turkki, Bolu, Kale	I–II(–?)	5 € / 6 sds	33 € / 100 sds
• <i>Cotoneaster lucidus</i>				
	Finland, Mustila	I–VI	800	40
• <i>Crataegus douglasii</i>				
	<del>Finland, Mustila</del>			TEMPORARILY OUT OF STOCK
• <i>Crataegus monogyna</i>				
	Finland, Helsinki	I–III	120	20
• <i>Deutzia glabrata</i>				
	Finland, Mustila	I–II–?	5 € / 30 sds	10 € / 100+ sds
• <i>Eleutherococcus senticosus</i>				
	Finland, Mustila	I–IV	1000	50
• <i>Euonymus planipes</i> *				
	- fresh seed (requests by August each year, please):			
	Finland, Mustila	I–III(–V)	150	25
• <i>Fagus sylvatica</i> *				
	Romania, Maramureş	I–II(–?)	5 € / 10 sds	15 € / 100 sds
	<del>Slovakia</del>			TEMPORARILY OUT OF STOCK
• <i>Fagus grandifolia</i> *				
	- fresh-stored seed (available February–April):			
	USA, Tennessee	I(–III)	5 € / 7 sds	40 € / 100 sds
• <i>Forsythia ovata</i>				
	Finland, Mustila	I–III	3000	40
• <i>Fraxinus americana</i>				
	<del>USA, NY, Saranac Lake</del>			TEMPORARILY OUT OF STOCK
• <i>Fraxinus chinensis</i> subsp. <i>rhynchophylla</i>				
	Russia, Vladivostok	I–II(–III)	200	25
• <i>Fraxinus excelsior</i>				
	Finland, Mustila	I–III(–V)	250	16
• <i>Fraxinus mandshurica</i>				
	China	I–II(–V)	160	16
• <i>Fraxinus pennsylvanica</i>				
	Finland, Myllykoski	I–V	250	16

(hobby bags 4,00 € for all species, see above)

NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Gleditsia caspica</i>	Azerbaidzhan	Ia(-Ib)	50	10
• <i>Gleditsia triacanthos</i>	Canada, Ontario, seed zone 36	Ia(-Ib)	60	10
• <i>Hamamelis vernalis</i>	USA, New Jersey	(I-II)	170	25
	USA, Missouri	(I-II)	170	33
• <i>Hamamelis virginiana</i>	USA, WV, Tucker Co.	I-II(-III)	200	33
• <i>Hippophae rhamnoides</i>	Finland, Pyhtää (cv.)	I-IV(-VI)	900	40
• <i>Holodiscus discolor</i>	Finland, Helsinki	I-II	5 € / 30 sds	10 € / 100+ sds
	USA, Idaho	I-II(-IV)	5 € / 30 sds	10 € / 100+ sds
• <i>Hydrangea heteromalla</i>	Finland, Mustila	I-IV	5 € / 30 sds	10 € / 100+ sds
• <i>Hydrangea radiata</i>	Finland, Mustila	I-II(-III)	5 € / 30 sds	10 € / 100+ sds
	Finland, Sääksmäki	I-II(-III)	5 € / 30 sds	10 € / 100+ sds
• <i>Hydrangea serrata</i>	Finland, Mustila	(I-II)	5 € / 30 sds	10 € / 100+ sds
• <i>Hypericum prolificum</i>	Finland, Sääksmäki	I-II(-IV)	5 € / 30 sds	10 € / 100+ sds
• <i>Ilex opaca</i>	USA, Michigan, Oikos Tree Crops	(I-II)	5 € / 9 sds	40 € / 100 sds
• <i>Ilex verticillata</i>	Mustila	I-III(-IV)	1500	50
• <i>Juglans cinerea</i> *				
	- uncleaned fresh seed (requests by September each year, please):			
	Finland, Mustila (×)	I-IV	5 € / 5 sds	40 € / 100 sds
	- cleaned seed:			
	Finland, Mustila (×)	I-IV	5 € / 5 sds	60 € / 100 sds
• <i>Juglans mandshurica var. cordiformis</i> *	USA, Michigan	I(-II)	5 € / 5 sds	25 € / 30 sds
• <i>Juglans mandshurica var. mandshurica</i> *	Finland, Mustila (×)	I-IV	5 € / 5 sds	40 € / 100 sds
	Finland, Helsinki (×)	I-IV	5 € / 5 sds	60 € / 100 sds
• <i>Juglans mandshurica var. sachalinensis (J. ailantifolia)</i> *	Finland, Mustila (×)	I-IV	5 € / 5 sds	40 € / 100 sds
	Finland, Helsinki (×)	I-IV	5 € / 5 sds	60 € / 100 sds

(hobby bags 4,00 € for all species, see above)

NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Juglans nigra</i>				
	- seed either selfed or hybridised with <i>J. mandshurica</i> :			
	Finland, Mustila (Juhlapaikka)	I-II(-III)	5 € / 5 sds	50 € / 30 sds
	- true seed:			
	Hungary	I-?	5 € / 5 kpl	25 € / 30 kpl
• <del><i>Juglans regia</i></del> *				
	Georgia			TEMPORARILY OUT OF STOCK
	Lithuania			TEMPORARILY OUT OF STOCK
• <i>Kalmia latifolia</i>				
	USA, Pennsylvania	I(-II)	5 € / 30 sds	10 € / 200+ sds
• <i>Laburnum alpinum</i>				
	Finland, Hangö	I-II	200	20
	Finland, Helsinki	I-II	200	20
• <i>Lindera benzoin</i> *				
	USA, Pennsylvania	I(-II)	100	16
• <i>Lonicera xylosteum</i>				
	Finland, Sääksmäki	I-VI	500	40
• <i>Maackia amurensis</i>				
	Finland, Mustila	I-III	160	33
	Russia, Vladivostok	I-III(-IV)	160	25
• <i>Magnolia kobus</i> *				
	Finland, Mustila	I-III(-IV)	100	40
• <i>Malus domestica</i>				
	- summer varieties mix (from selected cultivars):			
	Finland, South Carelia (×)	I-II(-IV)	300	100
	- autumn varieties mix (from selected cultivars):			
	Finland, South Carelia (×)	I-II(-IV)	300	100
	- wintern varieties mix (from selected cultivars):			
	Finland, South Carelia (×)	I-II(-IV)	300	100
	- northern (ultra cold hardy) varieties mix (from selected cultivars):			
	Finland, South Carelia (×)	I-IV(-VI)	300	100
	- open-pollinated seed from 'Sweet Sixteen':			
	Finland, Kärkölä (×)	I-II(-V)	300	100
	- open-pollinated seed from 'Zarya Alatau':			
	Finland, South Carelia (×)	I-II(-IV)	300	100
• <i>Malus Ornamental Crabapple Group</i>				
	Finland, Mustila (×)	I-III(-V)	400	40
• <i>Malus sieboldii</i> ( <i>Malus toringo</i> var. <i>toringo</i> )				
	Finland, Mustila (×)	I-III	400	40
• <i>Malus toringo</i> var. <i>sargentii</i> ( <i>Malus sargentii</i> )				
	Finland, Mustila	I-III	400	40
• <i>Oplopanax horridus</i>				
	Finland, Mustila	I-III	1000	50

(hobby bags 4,00 € for all species, see above)

NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Paeonia Rockii</i> Hybrid / Gansu Group ( <i>P. × papaveracea</i> )	Mustila	I-III(-V)	4 € / 5 kpl	
• <i>Penstemon fruticosus</i> var. <i>fruticosus</i>	Finland, Mustila	I-V(-VII)	4000	160
• <i>Phellodendron amurense</i>	Finland, Mustila	I-III	500	33
• <i>Phellodendron sachalinense</i>	Finland, Mustila	I-III(-IV)	500	33
• <i>Philadelphus lewisii</i>	USA, Montana, Lincoln County	I-III(-V)	5 € / 30 kpl	10 € / 100+ kpl
• <i>Pieris floribunda</i>	Finland, Mustila	I-II(-III)	5 € / 30 sds	10 € / 100+ sds
• <i>Platanus occidentalis</i>	USA, Missouri	I(-II)	2400	40
	USA, Pennsylvania	I(-II)	3200	50
• <i>Prunus armeniaca</i>	Finland, Vantaa	(I-II)	5 € / 6 sds	16 € / 30 sds
• <i>Prunus avium</i>	Finland, Mustila	I-II	70	16
	Slovakia 225 m	I-?	70	15
• <i>Prunus maackii</i>	Finland, Mustila		TEMPORARILY OUT OF STOCK	
• <i>Prunus maximowiczii</i>	Finland, Mustila	I-II(-III)	150	33
• <i>Prunus padus</i> subsp. <i>padus</i>	Finland, Elimäi-		TEMPORARILY OUT OF STOCK	
• <i>Prunus sargentii</i>	Finland, Mustila	I-III	110	20
• <i>Prunus serotina</i>	Finland, Mustila		TEMPORARILY OUT OF STOCK	
• <i>Prunus virginiana</i>	Canada, Ontario, seed zone 27	I-V	120	16
• <i>Pterocarya fraxinifolia</i>	Finland, Helsinki (×)	I(-II)	150	10
• <i>Pterocarya rhoifolia</i>	Finland, Mustila (×)	I-II(-V)	150	20
• <i>Pteroceltis tatarinowii</i>	China	(I)	350	33
• <i>Pyrus ussuriensis</i>	Russia, Khabarovsk	(I-II) III-V	300	33
• <i>Quercus bicolor</i> *	USA, Ohio	(I-III)	5 € / 7 sds	40 € / 100 sds
• <i>Quercus cerris</i> *	Slovakia, 335 m	I-?	5 € / 7 kpl	40 € / 100 kpl

(hobby bags 4,00 € for all species, see above)

NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Quercus imbricaria</i> *	USA, Illinois	I(-III)	5 € / 5 sds	70 € / 100 sds
• <i>Quercus robur</i> *				
- fresh seed (requests by September each year, please):				
Finland, Mustila		I-IV(-V)	5 € / 5 sds	30 € / 100 sds
Finland, Bromarv		I-IV(-V)	5 € / 5 sds	30 € / 100 sds
Finland, Iisalmi		I-V(-VI)	5 € / 5 sds	25 € / 100 sds
- stored seed (available ca. November till April):				
Finland, Mustila		I-IV(-V)	5 € / 5 sds	60 € / 100 sds
Finland, Bromarv		I-IV(-V)	5 € / 5 sds	60 € / 100 sds
Finland, Iisalmi		I-V(-VI)	5 € / 5 sds	50 € / 100 sds
• <i>Quercus rubra</i> *				
- fresh seed (requests by September each year, please):				
Finland, Mustila		I-III	5 € / 7 sds	30 € / 100 sds
- stored seed (available ca. November till April):				
Finland, Mustila		I-IV	5 € / 5 sds	50 € / 100 sds
• <i>Rhamnus frangula</i>				
Finland, Porlammi		I-V	500	33
• <i>Rhododendron aureum</i>				
Finland, Mustila		(I-)III-VII	5 € / 30 sds	10 € / 200+ sds
• <i>Rhododendron brachycarpum ssp. brachycarpum</i>				
Finland, Mustila (hand-pollinated)		I-III(-V)	5 € / 30 sds	10 € / 200+ sds
• <i>Rhododendron brachycarpum ssp. tigerstedtii</i>				
Finland, Mustila (hand-pollinated)		I-V(-VII)	5 € / 30 sds	10 € / 100+ sds
• <i>Rhododendron canadense</i>				
Finland, Mustila		I-IV(-VI)	5 € / 30 sds	10 € / 200+ sds
• <i>Rhododendron carolinianum (R. minus var. majus)</i>				
- "Pisgah Ecotype":				
USA, NC, Green Ridge		I-II	5 € / 30 sds	10 € / 100+ sds
- "Linville Ecotype":				
USA, Tennessee		I-II	5 € / 30 sds	10 € / 200+ sds
• <i>Rhododendron catawbiense</i>				
USA, P-Carolina, Mt. Mitchell		I-III(-V)	5 € / 30 sds	10 € / 100+ sds
• <i>Rhododendron japonicum</i>				
Finland, Mustila (hand-pollinated)				TEMPORARILY OUT OF STOCK
• <i>Rhododendron hirsutum</i>				
Austria, Schladming, 2000-2250 m		I-III(-IV)	5 € / 30 sds	10 € / 100+ sds
• <i>Rhododendron luteum</i> , kelta-atsalea, gulazalea				
Finland, Mustila (hand-pollinated)		I-III(-IV)	5 € / 30 kpl	10 € / 100+ kpl
USA, Oregon		I(-II)	5 € / 30 sds	10 € / 200+ sds

(hobby bags 4,00 € for all species, see above)

NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Rhododendron maximum</i>				
	USA, Pennsylvania	I-II(-III)	5 € / 30 sds	10 € / 100+ sds
	USA, NC, Little Fork Ridge	I-II(-III)	5 € / 30 sds	10 € / 100+ sds
	USA, WV, Green Bank	I-II(-IV)	5 € / 30 sds	10 € / 100+ sds
	USA, WV, Black Mtn.	I-II(-IV)	5 € / 30 sds	10 € / 50+ sds
• <i>Rhododendron micranthum</i>	North China	(I-III)	5 € / 30 sds	10 € / 200+ sds
• <i>Rhododendron</i> × <i>nikomontanum</i> ( <i>R. aureum</i> × <i>brachycarpum</i> )				
	Finland, Mustila (F2)	I-VI	5 € / 30 sds	10 € / 100+ sds
• <i>Rhododendron schlippenbachii</i>	Finland, Mustila	I-II (III)	5 € / 30 sds	10 € / 200+ sds
• <i>Rhododendron smirnowii</i>	Finland, Mustila (hand-pollinated)	TEMPORARILY OUT OF STOCK		
• <i>Rhododendron tomentosum</i>	Finland, Iitti / Sääksmäki	TEMPORARILY OUT OF STOCK		
• <i>Rhododendron yakushmanum</i>	Finland, Mustila (hand-pollinated)	I-II(-III)	5 € / 30 sds	10 € / 100+ sds
• <i>Rhododendron</i> <b>hybr.</b> , open-pollinated seed mixes				
- Deciduous Azalea Mix				
	Finland, Mustila (×)	I-III(-IV)	5 € / 30 sds	10 € / 200+ sds
- Tigerstedtii Mix (open-pollinated <i>R. brachycarpum</i> ssp. <i>tigerstedtii</i> )				
	Finland, Mustila (×)	I-IV(-VI)	5 € / 30 sds	10 € / 200+ sds
- Yaku Mix (open-pollinated <i>R. yakushmanum</i> )				
	Finland, Mustila (×)	I-IV(-VI)	5 € / 30 sds	10 € / 200+ sds
- Kimmo's Select Mix (from hardiest shrubs, mostly white to pink to purple)				
	Finland, Mustila (×)	I-IV(-V)	5 € / 30 sds	10 € / 200+ sds
- Jaakko's Select Mix (very diverse, some very hardy, some not so much)				
	Finland, Mustila (×)	I-II(-V)	5 € / 30 sds	10 € / 200+ sds
• <i>Rhus typhina</i>	Finland, Mustila	I-II (III)	1000	16
• <i>Ribes alpinum</i> , taikinamarja, mabär	Sääksmäki, Rauttu	I-V	800	40
• <i>Ribes spicatum</i>	Finland, Sääksmäki	I-VI	4000	50
• <i>Robinia neomexicana</i> (♣ from root sprouts)	Finland, Mustila	I-II(-III)	400	50
• <i>Robinia pseudoacacia</i>	Slovakia, Lucenec	I(-II)	400	10
	Finland, Mustila	I(-III)	400	50
• <i>Rosa canina</i>	Finland, Degerby	I-III(-V)	440	50
• <i>Rosa majalis</i> ( <i>R. cinnamomea</i> )	Finland, Sääksmäki	I-V(-VIII)	1300	100

(hobby bags 4,00 € for all species, see above)

NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Salix pentandra</i> *				
	- fresh seed (requests by November each year, please – cannot be stored):			
	Finland, Elimäki / Sääksmäki	I–VI(–VII)	5 € / 30 sds	10 € / 200+ sds
• <i>Solanum dulcamara</i>	Finland, Lapinjärvi, Käkikoski	I–VI	4 000	100
• <i>Sorbaronia mitschurinii</i>	Finland / Denmark			TEMPORARILY OUT OF STOCK
• <i>Sorbus alnifolia</i>	North China	I–III	600	40
• <i>Sorbus americana</i>	Finland, Lappeenranta	I–V	800	60
• <i>Sorbus aucuparia</i>	Finland, Sääksmäki	I–VI(–VII)	800	40
• <i>Sorbus austriaca (Hedlundia austriaca)</i>	Finland, Helsinki	I–IV	300	24
• <i>Sorbus commixta</i>				
	- Northern Japanese ecotype:			
	Japan, Hokkaido 900 m	I–V	500	80
	- Korean ecotype:			
	Finland, Mustila			TEMPORARILY OUT OF STOCK
• <i>Sorbus hybrida (Hedlundia hybrida)</i>	Finland, Mustila	I–IV	300	25
• <i>Sorbus intermedia (Scandosorbus intermedia)</i>	Finland, Helsinki			TEMPORARILY OUT OF STOCK
• <i>Sorbus pohuashanensis</i>	Finland, Joutsa (×)	I–IV	500	33
• <i>Sorbus sambucifolia</i>	Finland, Joutsa	I–VI	300	80
• <i>Spiraea betulifolia</i> ssp. <i>betulifolia</i>	Finland, Mustila	I–VII	5 € / 30 sds	10 € / 100+ sds
• <i>Spiraea betulifolia</i> ssp. <i>aemiliana</i>	Finland, Mustila	I–VII	5 € / 30 sds	10 € / 100+ sds
• <i>Syringa villosa</i>	North China	I–V	900	20
• <i>Tilia amurensis</i>				
	Russia, Vladivostok	I–V	300	40
	Northeast China	I–V	250	25
• <i>Tilia cordata</i>				
	NW Poland *	I–IV(–V)	300	25
	Finland, Punkaharju			TEMPORARILY OUT OF STOCK
	Finland, Sääksmäki			TEMPORARILY OUT OF STOCK
• <i>Tilia hyrcana</i>	Azerbaijan	I–?	400	40

(hobby bags 4,00 € for all species, see above)



NAME	SEED SOURCE	HARDINESS	seeds/10 g	€ / 10 g
• <i>Tilia mandshurica</i>	Northeast China	I-III(-V)	50	10
• <i>Tilia platyphyllos</i>	Slovakia, 750 m	I-IV	70	10
• <i>Tilia tomentosa</i>	Hungary	I-II	120	16
• <i>Ulmus glabra</i>				
- fresh seed (requests by May each year, please):				
Finland, Mustila		I-V	500	20
- stored seed (germination % decreased & needs stratification for germination):				
Finland, Mustila				TEMPORARILY OUT OF STOCK
• <i>Ulmus laevis</i>				
- fresh seed (requests by May each year, please):				
Finland, Mustila		I-V	800	33
- stored seed (germination % decreased & needs stratification for germination):				
Finland, Mustila		I-V	1200	50
• <i>Ulmus parvifolia</i>				
- seed from select 2 <sup>nd</sup> generation of "Elsmo":				
USA, Missouri		I(-II)	1500	33
• <i>Weigela florida</i>				
Finland, Mustila		I-II		5 € / 30 sds
10 € / 100+				
• <i>Weigela middendorffiana</i>				
Finland, Juupajoki, Hyytiälä		I-VII		5 € / 30 sds
10 € / 100+				
Finland, Padasjoki		I-VII		5 € / 30 sds
10 € / 100+				
Finland, Mustila		I-VII		5 € / 30 sds
10 € / 200+				
• <i>Viburnum cassinoides</i>				
Finland, Mustila		I-IV	300	20
• <i>Viburnum lantanoides (V. alnifolium)</i>				
Finland, Mustila		I-III	110	25
• <i>Viburnum lentago</i>				
Finland, Mustila		I-IV	150	16
Finland, Helsinki		I-IV	150	16
• <i>Viburnum opulus</i> , koiranheisi, olvon				
Finland, Padasjoki		I-V	200	20
• <i>Vitis Labruscana Group</i>				
Finland, Pälkäne		I(-III)	350	40
• <i>Yucca glauca</i>				
USA, South Dakota		(I-III)	500	33
• <i>Zelkova carpinifolia</i>				
Russia		(I)	400	40

(hobby bags 4,00 € for all species, see above)

## PERENNIAL AND BIENNIAL HERBACEOUS PLANTS

- *Aconitum fischeri* ssp. *arcuatum* Finland, Joutsa
- *Ageratina altissima* ♣ USA, NC, Wayah Bald
- *Allium ochotense* Finland, Joutsa
- *Antennaria dioica* Finland, Mustila
- *Aruncus kamtschaticus* ♣ Finland, Joutsa
- *Aster umbellatus* ♣ Finland, Mustila
- *Bupleurum longiflorum* subsp. *aureum* Finland, Joutsa
- *Campanula latifolia* ♣ Finland, Mustila
- *Cardiocrinum glehnii* Finland, Mustila
- *Centaurea montana* ♣ Finland, Mustila
- *Cimicifuga racemosa* Finland, Mustila
- *Clematis mandshurica* Finland, Längelmäki
- *Cortusa matthioli* Finland, Mustila
- *Corydalis nobilis* Finland, Mustila
- *Digitalis purpurea* Finland, Mustila
- *Dioscorea villosa* USA, NC, Hooper Bald
- *Filipendula kamtschatica* Finland, Joutsa
- *Gillenia trifoliata* Finland, Helsinki
- *Glycyrrhiza lepidota* USA, Minnesota
- *Heuchera cylindrica* Canada, BC, Christina Lake
- *Hypericum ascyron* Finland, Mustila
- *Lathyrus gmelinii* Finland, Joutsa
- *Ligularia "Hietala"* Finland, Porvoo
- *Ligularia przewalskii* Finland, Porvoo
- *Ligularia sibirica* Finland, Porvoo
- *Lilium hansonii* Finland, Joutsa
- *Monarda fistulosa* Canada, BC, Kamloops
- *Myosotis scorpioides* Finland, Mustila
- *Paeonia anomala* Finland, Mustila
- *Phyteuma spicatum* Finland, Mustila
- *Primula veris* Finland, Mustila
- *Sanguisorba tenuifolia* Finland, Mustila
- *Silene baccifera* Finland, Hangö
- *Silene dioica* Finland, Mustila
- *Thlaspi caerulescens* Finland, Mustila
- *Verbascum thapsus* Finland, Sääksmäki

(hobby bags 4,00 € for all species, see above)