

SEED CATALOGUE

2023



Dear customer,

We are pleased to present our seed catalogue for 2023.

Our seed catalogue provides an overview of a wide range of forest seeds for both conifers and deciduous trees.

The prices are indicative, and we are happy to prepare a tailor-made quotation for you. For example, if you need larger quantities or want prices for species and provenances that are not included in this price list - we can source most seeds.

Unless we agree otherwise, the seeds are delivered as dry, storage durable and purified to normal standard for forest seeds. We can also extra clean and/or pre-treat the seed. Contact us for further information, if required.


On our website hdseed.eu you will find descriptions of, among other things, provenances and our seed sources. We are continuously updating this information.

We reserve the right to intermediate sales and for printing errors.

If you have any questions, you are always welcome to contact us via the contact information below.

We look forward to doing business with you.

Yours sincerely,


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Head of Department

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News

Picea sitchensis C.E. Flensburg FP.671

Sitka spruce FP.671 C.E. Flensburg is a clone seed plantation, composed of 20 clones that are the result of an intensive selection.

The 20 clones are selected in FP.256 Bærmoseskov (offspring F.405 Rønhede), tested in 2 field trials, each at 4 locations. The primary criteria for the selection of the plus trees are survival, diameter, height, stem straightness, late flushing, axis breakage and greater tolerance/resistance to sitka aphid, while considering the conservation of wood density. The material is believed to be of Queen Charlotte Islands' (QCI) origin.

The clone trials show, via the genetic selection, a significant improvement of straightness compared to the source material, which makes the offspring of FP.671 particularly suitable for production of timber. With selection in the direction of later flushing and better survival, the offspring is also considered to be suitable for more exposed locations. Offspring of FP.671 is expected to be significantly better than the source material and can be used everywhere, where it is recommendable to plant sitka spruce.



Larix eurolepis Karensminde FP.675

We currently have 6 hybrid larch seed orchards in production. We are experiencing a large and ever-increasing demand for our hybrid larch seeds and have therefore also initiated new seed orchards to meet this demand. Two new seed orchards are on the way, including Karensminde FP.675, which is a copy of Holbæk FP.240.

In the spring of 2022, Hedeselskabet initiated a combined provenance and production trial at 4 locations in Denmark. All our provenances of hybrid larch are included in the trial. In addition, our provenances of Japanese and European larch are also included as reference species. The purpose of the trial is, among other things, to shed light on the properties of the individual provenances in relation to growth, shape, wood quality and health. The first measurement will take place in the autumn of 2024.





Pre-treatment

At HD Seed, we can help with pre-treatment of the seed. Most seeds are naturally dormant and require pre-treatment to ensure sufficient and even germination. The different species have different needs for pre-treatment. During the pre-treatment, the seed is continuously inspected to ensure that the correct conditions – both in terms of humidity and temperature – are present. We continuously take germination samples of the seed during the pre-treatment and inform about the germination capacity at the latest upon delivery.

Short-term pre-treatment, 1-3 months: EUR 7.50/kg
Long-term pre-treatment, up to 12 months: EUR 39.00/kg

Pre-treatment requires that the order has been received in time, so that the seed can be ready for sowing.

Other services

We are helpful in processing external seed lots. Contact us for quotations.

PQ-cleaning

For an increasing quantity of the seed produced, the highest possible quality is required for sowing in plug/container. This is achieved by means of subsequent purification with a variety of special machines. The goal is for the highest quality in terms of vitality and purity with a uniform size, weight, and colour. We continuously invest in machines to improve the result.

Analyses

We regularly perform seed analyses in our laboratory and thereby ensure the quality of the seed produced. Germination analyses are made and registration of quality data such as purity, moisture content, 1.000-grain weight, and vitality are recorded.


Storage

We are happy to store both purchased seed lots and external seed in our cold store.






Additional products

We also sell cones and cone scales.
Contact info@hdseed.eu for further information.

Seed quality

- S Standard quality. Meets our minimum requirements to the seed lot.
- S+ Standard+. Further purification has been carried out. Increased vitality and purity.
-  Plug Quality. The best possible quality. Particularly suitable for production in plug/container.

Abbreviations/symbols










- F Seed growing stand approved by the Danish Agricultural Agency.
- FP Seed orchard approved by the Danish Agricultural Agency.
- L Landscape selected seed stand or seed plantation approved by the Danish Forest and Landscape Research Institute.
-  Hedge or non-forest purpose.
-  The provenance is suitable for production of Christmas trees or greenery.
-  State controlled organic.
- Seed/kg Live seed per kg based on germination, tetrazolium or cut test analyses.
- V Vitality is stated where no germination result was available at the time of publication of this catalogue.
-  Plug Quality. Seeds purified to particularly high vitality and purity. Particularly suitable for use in plug plant production.
-  New seed source.

Other terms of sale



- Minimum sales: 100 g per lot.
- The price per 1 kg applies from ½ kg and up. For larger quantities, please inquire.
- Where the status of the provenance is stated as 'pending', the price is indicative.
- Delivery ex works. Freight prices are regularly adjusted according to the fuel surcharge in force at the time in question.








Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
CONIFERS				
Abies alba				
Bækkelund FP.242 DK	2022 - Pending new crop	-	-	200
82710 DE	2022	66 (V)	22,683	160
Abies balsamea				
Nova Scotia CA	2013	64	105,510	310
Abies bornmuelleriana				
Kongsøre FP.267 DK	2022 - Pending new crop	86 (V)	11,086	200
Aladag-demirciler TR	2022 - Pending new crop	92 (V)	13,650	100
Abies concolor				
San Juan US	2016 - Pending new crop	67	20,149	335
Abies fraseri				
Bredsten (Roan Mountain) DK	2022	78 (V)	62,300	875
Moray (Ayers Orchard) UK	2021 - Pending new crop	71 (V)	65,508	875
Mount Rogers US	2019 - Pending new crop	75 (V)	80,927	875
Abies grandis				
Valskov F.813 DK	2019	85	44,559	580
Valskov F.813 DK	2017	63	39,254	500
C.E. Flensborg F.768 DK	2019	81	40,963	485
Meilgaard F.821 DK	2019	67	39,850	485
HkG 83002 DE	2022	80 (V)	29,963	485
Abies koreana				
Truust L.126 DK	2021	96 (V)	94,024	535
Truust L.126 DK	2021	84 (V)	103,635	400
Abies lasiocarpa				
var. lasiocarpa San Juan, Colorado US	2017	69	52,631	485
var. Arizonica Apache US	2017	65	51,951	485
Abies magnifica				
Huckleberry Mountain, Oregon US	2010	42	14,514	160
Abies nordmanniana				
PS Elite FP.670 DK	2022 - Pending new crop	98 (V)	13,750	250
PS Elite FP.670 DK	2022 - Pending new crop	88 (V)	12,610	210
Ovstrup F.830 DK	Pending new crop	-	-	210
Ambrolauri Tlugi GE	2022	98 (V)	13,678	190
Ambrolauri Tlugi GE	2022	90 (V)	15,203	150
Apsheronsk Guamka-Mezmay RU	2020 - Pending new crop	74	9,259	150
Other provenances can be offered on request - Skibelund FP.266, Sønderskovgård FP.246, Silkeborg Nordskov FP.259 etc.				
Abies procera				
C.E. Flensborg FP.623 DK	2022 - Pending new crop	70 (V)	14,646	215
C.E. Flensborg F.857 DK	2017 - Pending new crop	58	17,387	160
Bidstrup F.545 DK	2021	86 (V)	21,831	160
Abies sibirica				
Kemerovo RU	2017	50	48,052	400
Cedrus deodara				
GE	2020 - Pending new crop	98	7,612	135
Cedrus libani				
Ermenek-Kazanci TR	2022	81 (V)	12,236	135

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Name and provenance		Crop year	Germination %	Seed/kg	EUR (kg)
> Chamaecyparis lawsoniana					
Jenssens-Buchske F.864 DK		2021	83 (V)	278,193	665
Cryptomeria japonica					
Bregentved L.267 DK		2021	75 (V)	171,105	665
Larix decidua					
Tophøj FP.661 DK		2021	64 (V)	112,237	2,550
Szydłowo PL		2019 - Pending new crop	49 (V)	97,030	1,500
83702 DE		2022	46	74,245	2,550
Larix eurolepis					
Karensminde FP.675 DK (Holbæk FP.205 copy)		Pending new crop	-	-	2,690
C.E. Flensburg FP.618 DK (Hybrid-%: 95.8)		2019 - Pending new crop	77	171,808	2,690
Store Lyngdal FP.673 DK (Hybrid-%: 90.4)		2019 - Pending new crop	89 (V)	143,478	2,690
Truust FP.636 DK (Hybrid-%: 81)		2022 - Pending new crop	79 (V)	111,425	2,535
C.E. Flensburg FP.626 DK (Hybrid-%: 93.6)		2019 - Pending new crop	67	118,339	2,535
Laugesen FP.651 DK (Hybrid-%: 98.9)		2019 - Pending new crop	74	149,995	2,535
Mourier-Petersen FP.638 DK (Hybrid-%: 91.5)		2019 - Pending new crop	99 (V)	145,442	3,065
Mourier-Petersen FP.638 DK (Hybrid-%: 91.5)		2019 - Pending new crop	85	119,841	2,535
Larix kaempferi					
C.E. Flensburg FP.615 DK		2019 - Pending new crop	69	166,949	1,600
C.E. Flensburg FP.601 DK		2023 - Pending new crop	-	-	1,600
C.E. Flensburg FP.601 DK		2017	84 (V)	116,175	1,065
Sostrup F.783 DK		2006	60	152,088	1,065
Larix sibirica					
Tuva Region RU		2012 - Pending new crop	56	118,644	645
Picea abies					
C.E. Flensburg FP.631 DK		2019	94	99,699	665
C.E. Flensburg FP.635 DK		2019	93	104,521	665
Hofmannsgave FP.240 DK		2015	98	93,209	735
Sønderskovgård FP.248 DK		2019	97	103,028	665
Vitebsk Glubokoe BY		1990	93	142,261	1,210
Picea breweriana					
Rabbit Lake, Oregon US		2013	86	149,250	645
Picea engelmannii					
San Juan Colorado US		2019	95	237,263	470
Picea glauca					
Nova Scotia CA		2014	88	372,331	470
Picea glauca densata					
Black Hills South Dakota US		2013	87	350,035	540
Picea mariana					
Nova Scotia CA		2013	73	592,800	840
Picea omorika					
Valskov F.854 DK		2019	89	346,500	1,135
Picea pungens					
Kaibab US		2018	80	224,073	535
Dolores, San Juan 'Royal Blue' US		2017	98	194,351	535
Rio Grande, Colorado US		2017	98	234,536	535
Apache Arizona US		2018	87	225,999	535



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Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
> Picea sitchensis				
C.E. Flensburg FP.671 DK (QCI, CA)	 2022 - Pending new crop	98	394,812	1,500
C.E. Flensburg FP.654 DK (Washington, US)	 2022	97 (V)	357,463	1,500
C.E. Flensburg FP.652 DK (Washington, US)	 2022	92 (V)	363,952	1,500
C.E. Flensburg FP.625 DK (Washington, US)	 2021	99 (V)	449,549	1,275
C.E. Flensburg FP.625 DK (Washington, US)	2021	99 (V)	438,299	1,075
C.E. Flensburg FP.608 DK (Bella Coola, CA)	2021	91 (V)	360,360	1,075
Bærmoseskov FP.256 DK (QCI, CA)	2022	96 (V)	303,568	1,335
Jenssens-Buchske F.865 DK (QCI, CA)	2019	92	392,450	935
Juneau AK US	 2014	88	434,986	935
Pinus contorta				
Galway IE	2021	91	308,756	1,400
Pinus lambertiana				
OR US	2003	90	3.775	740
Pinus mugo				
Karup DK	2021	97 (V)	116,049	670
Mourier-Petersen DK	2020	94	112,655	670
Truust L.127 DK	2022 - Pending new crop	98	125,316	670
Pinus mugo var. pumilio				
Villanderer IT	2019	90	145,443	670
Pinus mugo var. uncinata				
Laugesen F. DK	Pending new crop	-	-	670
Pinus peuce				
Truust L.225 DK	 2021	96 (V)	16,604	270
Pinus ponderosa				
Trout Lake WA US	2021	66	20,530	605
Pinus nigra var. austriaca				
Vistoft F.873 DK	Pending new crop	-	-	1,145
Emmedsbo F.415 DK	1997	96	44,133	1,145
Pinus sylvestris				
Hammer Bakker F.881	Pending new crop	-	-	1,145
Lystrup FP.258 DK	2021	98 (V)	130,294	1,145
Pseudotsuga menziesii				
Tophøj FP.659 DK	  2022	98	77,953	2,270
Tophøj FP.659 DK	 2022	98	75,989	2,000
Matlock WA Z030 US	2016 - Pending new crop	96	82,613	1,815
Darrington WA Z403 US	2021	97 (V)	80,501	905
La Luzette FR	2018 - Pending new crop	98 (V)	84,756	1,470
Sequoiadendron giganteum				
WA US	2019 - Pending new crop	43	81,666	1,345
Thuja occidentalis				
Hjorthede L.228 DK	 2016	72	702,334	670
Thuja plicata				
Bregentved Østerskov F.867 DK	 2021	82 (V)	731,291	870
Tsuga heterophylla				
Hovborg F.879 DK	 Pending new crop	-	-	1,200
Harboe L.268 DK	2021 - Pending new crop	92 (V)	379,116	1,070
Tsuga mertensiana				
Oregon Z473 US	2018	98 (V)	149,144	1,145

Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
BROAD-LEAVED				
Acer campestre				
Laugesen L.274 DK	 	Pending new crop	-	105
HU		2022	53 (V) 6,688	40
Acer platanoides				
Laugesen FP.650 DK		2022 - Pending new crop	92 (V) 4,597	160
Bregentved F.794 DK		2018 - Pending new crop	78 (V) 5,707	150
Tophøj FP.653 DK		2022 - Pending new crop	90 (V) 5,571	160
Acer pseudoplatanus				
Bregentved F.648 DK		2022 - Pending new crop	95 (V) 8,077	120
Havreballe F.871 DK		2022 - Pending new crop	93 (V) 8,857	120
Alnus glutinosa				
Tophøj FP.653 DK		Pending new crop	-	870
Laugesen FP.658 DK		2019 - Pending new crop	76 522,464	870
Truust F.782 DK		2022 - Pending new crop	82 (V) 381,395	670
Alnus rubra				
Darrington WA US		2018	86 (V) 1,478,596	875
Port Angeles WA US		2018	88 (V) 1,497,517	875
Alnus viridis				
Truust L.214 DK		2021	82 (V) 1,944,263	800
Amelanchier alnifolia				
Truust L.116 DK		2022	93 (V) 172,222	670
Amelanchier lamarckii				
Truust L.130 DK		2022	97 (V) 136,620	940
Amelanchier spicata				
Truust L.215 DK		2022	88 (V) 195,556	670
Aronia melanocarpa				
Truust L.060 DK		2022	93 (V) 389,121	605
NL		2017	98 (V) 270,290	180
Aronia prunifolia				
Truust L.117 DK		2019	95 (V) 511,931	605
Betula pendula				
Truust FP.644 DK		2022	24 1,201,878	240
Truust Select DK		Pending new crop	-	190
Betula pubescens				
Truust F.880 DK		Pending new crop	-	335
Truust F.793 DK		2021	1,250,000	335
Truust FP.645 DK		2021	1,534,392	240
Truust Select DK		Pending new crop	-	190
Calluna vulgaris				
Kongenshus DK		2019	3,200,000	200
Caragana aborescens				
HU		2012	92 35,721	55
Carpinus betulus				
Bregentved F.567 DK		2022 - Pending new crop	94 (V) 16,578	115
HU		Pending new crop	-	40
Cornus mas				
Kørup DK		2021	99 (V) 4,652	80

Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
> Cornus sanguinea Truust L.129 DK	2022	99 (V)	17,399	160
Cotoneaster lucidus Truust L.261 DK	2021 - Pending new crop	99 (V)	47,491	670
Crataegus laevigata Truust DK	2019	82 (V)	17,578	60
Crataegus monogyna Tophøj L.269 DK Laugesen L.250 DK	2021 - Pending new crop 2021 - Pending new crop	62 (V) 90 (V)	8,810 12,435	60 40
Cytisus scoparius IT	2018	99 (V)	126,288	110
Euonymus europaeus Truust L.222 DK	2022	99 (V)	33,111	270
Fagus sylvatica Laugesen F.841 DK Bregentved, Grevindeskoven F.509 DK Bregentved, Haslev Orned F.529 DK Meilgaard F.849 DK Maramurens RU	Pending new crop 2022 - Pending new crop 2022 - Pending new crop 2019 - Pending new crop 2022 - Pending new crop	- 75 82 73 88	- 3,892 4,059 3,985 4,307	Daily rate Daily rate Daily rate Daily rate Daily rate
Fagus sylvatica purpurea BE	2022 - Pending new crop	95 (V)	3,120	Daily rate
Frangula alnus Truust L. 271 DK	2022	97 (V)	44,700	470
Hamamelis virginiana Confluence PA US	2021 - Pending new crop	99 (V)	21,928	265
Juglans nigra Knuthenborg DK	2022 - Pending new crop	99 (V)	100	16
Lonicera xylosteum Truust L.120 DK	2022 - Pending new crop	96 (V)	240,000	400
Malus baccata Truust DK	2021 - Pending new crop	97 (V)	166,729	470
Malus sylvestris Truust L.192 DK	2022 - Pending new crop	99 (V)	41,428	470
Physocarpus malvaceus Truust L.122 DK	2017	94	858,763	400
Physocarpus opulifolius Truust L.123 DK	2021	92	939,166	605
Prunus avium Tophøj FP.662 DK Truust F.791 DK	2022 - Pending new crop 2022	99 (V) 97 (V)	5,789 5,568	135 100
Prunus cerasifera Truust L.128 DK	2022 - Pending new crop	99 (V)	2,374	40
Prunus mahaleb Truust L.077 DK	2000	96 (V)	14,187	80
Prunus spinosa Truust L.218 DK	2022 - Pending new crop	99 (V)	5,518	60

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Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
> Pyrus pyraester				
Tophøj L.270 DK	2022	68 (V)	22,729	510
HU	Pending new crop	-	-	150
Quercus petraea				
C.E. Flensburg FP.647 DK	 Pending new crop	-	-	Daily rate
Laugesen Plantage F.856 DK	2021 - Pending new crop	68 (V)	356	Daily rate
Stenholt F.750 DK	2022 - Pending new crop	60 (V)	256	Daily rate
Agder NO	2022 - Pending new crop	89 (V)	225	Daily rate
Quercus robur				
Truust F.792 DK	2021 - Pending new crop	67 (V)	246	Daily rate
Quercus rubra				
C.E. Flensburg F.861 DK	Pending new crop	-	-	Daily rate
Bregentved F.678 DK	2022 - Pending new crop	85 (V)	195	Daily rate
Ribes alpinum				
Truust L.262 DK	2022	99 (V)	267,568	605
Robinia pseudoacacia				
Nyirsergi HU	2015	49	39,217	160
HU	2012	59	44,637	90
Rosa canina				
Truust L.217 DK	2022	84 (V)	58,333	110
Rosa carolina				
Truust L.062 DK	2022	52 (V)	104,460	110
Rosa dumalis				
Truust L.022 DK	2021	64 (V)	39,466	110
Rosa multiflora				
Truust L.224 DK	2022 - Pending new crop	99 (V)	225,000	100
Rosa rubiginosa				
Truust L.014 DK	2020 - Pending new crop	92 (V)	102,336	110
Rosa spinosissima/pimpinellifolia				
Truust L.241 DK (high type)	2022	80 (V)	25,334	200
Laugesen L.266 DK (low type)	2021	98 (V)	71,986	110
Rosa virginiana				
Truust L.015 DK	2021	82 (V)	165,505	110
Sorbus aucuparia				
Tophøj L.239 DK	2022	94 (V)	299,363	470
Truust L.124 DK	2022 - Pending new crop	99 (V)	366,667	335
Sorbus mougeotti				
Laugesen L.248 DK	2021	98 (V)	73,128	335
Styrax japonica				
Truust DK	2021	97 (V)	9,070	270
Syringa josikaea				
HU	2012	95 (V)	100,700	400
Tilia cordata				
MP/1/43847/05 PL	2022 - Pending new crop	67 (V)	22,945	170
Tilia platyphyllos				
Truust FP.643 DK	2022	96 (V)	7,295	135
Truust Select DK	 Pending new crop	-	-	110

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	Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
>	Ulmus japonica				
	Truust L.272 DK	2021	77 (V)	191,141	135
	Viburnum opulus				
	Truust L.012 DK	2022	99 (V)	41,164	175
	Truust L.242 DK	2022 - Pending new crop	99 (V)	33,788	175