



Dalgas Seed catalogue 2024



DALGAS
Part of Hedeselskabet

We have changed our name to Dalgas

Now we have merged our businesses into one: Dalgas – named after the founder of Hedeselskabet, of which we are a part. We do this to better help our customers solve today's tasks and create a sustainable future – partnering with nature.

This means that you can recognize us more easily - and that we are more transparent and easier to understand in relation to our complete range of services.

Read more about us: **dalgas.com**





Dear customer,

We are pleased to present our seed catalogue for 2024.

We have improved our services this year too, and with the latest seed cleaning technology we have brought further focus on cleaning our seeds to PQ quality. We are still in a market with a shortage of seeds of several important species, and that is why it is important to ensure that our customers get the most out of the product, we supply.

In 2024, we expanded our organisation and thus increased the focus on both production and customers, and we are looking forward to presenting the new team.

Our seed catalogue provides an overview of a wide range of seeds for forests, Christmas trees, greenery, shrubs and hedge production. The prices are indicative, but if larger quantities or special needs are required and not included in this price list, we will find a solution.

Unless we agree otherwise, the goods are delivered as dry, shelf-stable seed purified to normal standards for forest seed. For most species we can now offer purification to a higher quality – even if you have bought seeds elsewhere.

On our website (dalgas.com) you will find, among other things, descriptions of provenances and our seed sources. We are continuously updating this information.

We reserve the right for intermediate sales and printing errors.

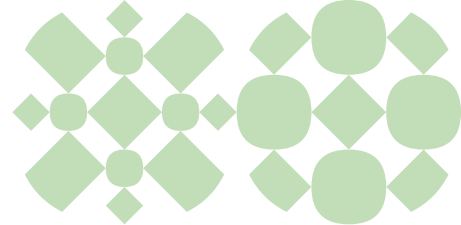
If you have any questions, you are always welcome to contact us via the contact information below. We look forward to doing business with you.

Yours sincerely,

Thomas Toftgaard
Division Director

Dalgas a/s
Krogaardsvej 6, Tvillum
DK-8882 Faarvang

T: +45 86 87 16 55
E: seed@dalgas.com
dalgas.com



PS Elite FP.690

Nordmann fir PS Elite FP.690 is composed of 11 selected plus trees from the Tversted pool, all tested at 10 different locations in Denmark. The material has its origins in the 2 chosen stands in Tversted.

The selection criteria have been needle retention after harvest, high Christmas tree yield, late emergence and that parts of the material will be less susceptible to aphid attacks.

PS Elite FP.690 is a 1.5 generation seed orchard, and the offspring of the seedling is expected to give an increased Christmas tree yield of 16-18 % compared to the starting material. Furthermore, the material will be improved in terms of needle retention after harvest, measured for the months of October and November. Other properties such as later emergence and less susceptibility to aphids will also be improved compared to the starting material.

PS Elite FP.690 is genetically identical to the already marketed PS Elite FP.670, which from 2024 is also organically certified. There are now 13 hectares of PS Elite Nordmann fir seed orchard in production.

Tveden F.824

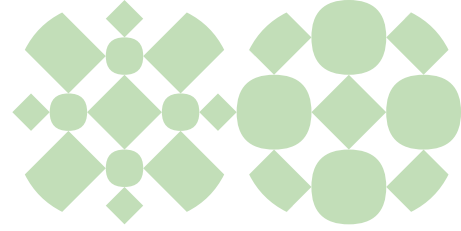
Nordmann fir Tveden F.824 originates from Ambrolauri, Tlugi, Georgia, where the seed was harvested in the period 1979-1981.

The seed stand was established as a normal Christmas tree culture with a number of plants corresponding to 4-5,000 trees per hectare. When the trees reached Christmas tree size, the best Christmas tree types were selected as permanent trees for the future seed breeding.

The offspring of the seed breeding stand Tveden F.824 is expected to be improved compared to the starting material. The improvement is estimated to be up to 3-5 % more ON (Original Nordmann) trees per hectare.

Selected plus trees in Tveden F.824 have been used in the establishment of Sønderskovgård FP.246 and Skibelund FP.266





Pre-treatment

At Dalgas, 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 monitored 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 on 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 on 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 part of the seed produced, the highest possible quality is required for sowing in plug/container. This is achieved by means of a subsequent cleaning with a series of special-purpose machines. Here the aim is to achieve the highest quality in terms of vitality and purity and a uniform size, weight and colour. We continuously invest in technology to improve the result.

Analyses

We regularly carry out seed analyses in our laboratory to ensure the quality of the seed produced. Germination analyses are made as well as registration of quality data such as purity, moisture content, 1,000-grain weight and vitality.

Storage

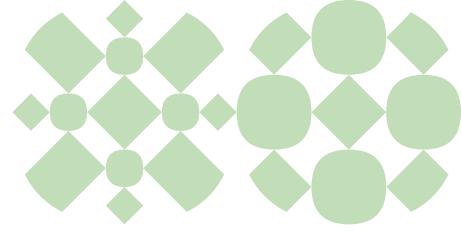
We are happy to store both purchased seed lots and external seed lots in our cold stores.

Additional products

We also sell cones and cone scales.

Contact seed@dalgas.com for further information on this.








Seed quality

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

Abbreviations/symbols

- F** Seed source approved by the Danish Agricultural Agency.
- FP** Seed orchard approved by the Danish Agricultural Agency.
- L** Landscape-selected seed orchard or seed plantation.
-  Hedge or non-forest purpose.
-  The provenance is suitable for the production of Christmas trees or greenery.
-  State controlled organic.

Seed/kg Live seed per kg based on germination, tetrazolium or cut test.























- V** Vitality is stated where there was no germination result available at the time of publication of this catalogue.
- PQ** Plug quality. Seed cleaned to particularly high vitality and purity. Particularly suitable for use in container production.
- NEW** New seed source.














Other sales conditions








- Minimum sales: 100 g per batch.
- The price per 1 kg applies from ½ kg and up. For larger quantities, please inquire.
- Where the status of the provenance appears as 'pending', the price is indicative.
- Delivery ex factory. Freight prices are continuously adjusted according to applicable fuel surcharge.








Conifers

Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
Abies alba				
Bækkelund FP.242 DK	2023	72 (V)	9,016	215
82710 DE	2022 - No crop	66 (V)	22,683	170
Abies balsamea				
Nova Scotia CA	2013	64	105,510	310
Abies bornmuelleriana				
Kongsøre FP.267 DK	 2022 - Pending new crop	86 (V)	11,086	-
Hjorthede DK	 2023	92 (V)	10,060	175
Aladag-demirciler TR	 2023	75 (V)	10,204	107
Abies concolor				
Apache National Forest AZ US	 2023	92 (V)	22,061	375
Abies fraseri				
Bredsten (Roan Mountain) DK	 2022 - Pending new crop	78 (V)	62,300	875
Moray (Ayers Orchard) UK	 2021 - Pending new crop	71 (V)	65,508	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 - Pending new crop	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				
Laugesen FP.5156 DK	No crop	-	-	-
var. lasiocarpa San Juan, Colorado US	2017	69	52,631	485
Abies nordmanniana				
PS Elite FP.690 DK	  Pending new crop	-	-	267
PS Elite FP.690 DK	 2022 - Pending new crop	98 (V)	13,750	215
PS Elite FP.670 DK	 2022 - Pending new crop	88 (V)	12,610	215
Tveden F.824 DK	 2023 - No crop	81 (V)	9,728	187
Ambrolauri Tlugi GE	  2022 - Pending new crop	98 (V)	13,678	200
Ambrolauri Tlugi GE	 2022 - Pending new crop	90 (V)	15,203	147
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	230
C.E. Flensborg F.857 DK	 2017 - Pending new crop	58	17,387	175
Bidstrup F.545 DK	 2021	77	21,831	175
Abies sibirica				
Kemerovo RU	2017	50	48,052	400
Cedrus deodara				
GE	2020 - No crop	98	7,612	135
Cedrus libani				
TR	2023	80 (V)	10,899	135
Chamaecyparis lawsoniana				
Jenssen-Buchske F.864 DK	 2021	83 (V)	278,193	735

Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
Cryptomeria japonica				
Bregentved L.267 DK	 2023	68 (V)	188,846	735
Larix decidua				
Tophøj FP.661 DK	2023 - Pending new crop	56 (V)	91,933	2,870
Sudeten CZ	2022	62 (V)	125,931	1,600
HkG 83702 DE	2023	58 (V)	115,383	2,535
Larix eurolepis				
Karensminde FP.675 DK (Holbæk FP.205 kopi)	 No crop	-	-	3,070
C.E. Flensborg FP.618 DK (Hybrid-%: 95,8)	2019 - No crop	77	171,808	3,070
Store Lyngdal FP.673 DK (Hybrid-%: 90,4)	2019 - No crop	89 (V)	143,478	3,070
Truust FP.636 DK (Hybrid-%: 81)	2022 - No crop	79 (V)	111,425	2,935
C.E. Flensborg FP.626 DK (Hybrid-%: 93,6)	2019 - No crop	67	118,339	2,935
Laugesen FP.651 DK (Hybrid-%: 98,9)	2019 - No crop	74	149,995	2,935
Mourier-Petersen FP.638 DK (Hybrid-%: 91,5)	2019 - No crop	85	119,841	2,935
Larix kaempferi				
C.E. Flensborg FP.615 DK	2019 - No crop	69	166,949	2,000
C.E. Flensborg FP.601 DK	2017 - Pending new crop	84 (V)	116,175	2,000
Sostrup F.783 DK	2006 - Pending new crop	60	152,088	1,070
Picea abies				
Hofmannsgave FP.240 DK	2015	98	93,209	735
C.E. Flensborg FP.631 DK	2019	94	99,699	670
C.E. Flensborg FP.635 DK	 2019	93	104,521	670
Sønderskovgård FP.248 DK	 2019	97	103,028	670
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 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	1,200
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
Picea sitchensis				
C.E. Flensborg FP.671 DK (QCI, CA)	 2022 - Pending new crop	98	394,812	-
C.E. Flensborg FP.654 DK (Washington, US)	 2022 - Pending new crop	97 (V)	357,463	-
C.E. Flensborg FP.652 DK (Washington, US)	 2022 - Pending new crop	92 (V)	363,952	1,500
C.E. Flensborg FP.625 DK (Washington, US)	 2021	99 (V)	449,549	1,275
C.E. Flensborg FP.625 DK (Washington, US)	2021	99 (V)	438,299	1,075
C.E. Flensborg FP.608 DK (Bella Coola, CA)	2021	91 (V)	360,360	1,075
Bærmosekov FP.256 DK (QCI, CA)	2022	96 (V)	303,568	1,500
Jenssen-Buchske F.865 DK (QCI, CA)	2019	92	392,450	935
Juneau AK US	 2014	88	434,986	935
Pinus contorta				
Galway IE	2023	99	270,492	1,400

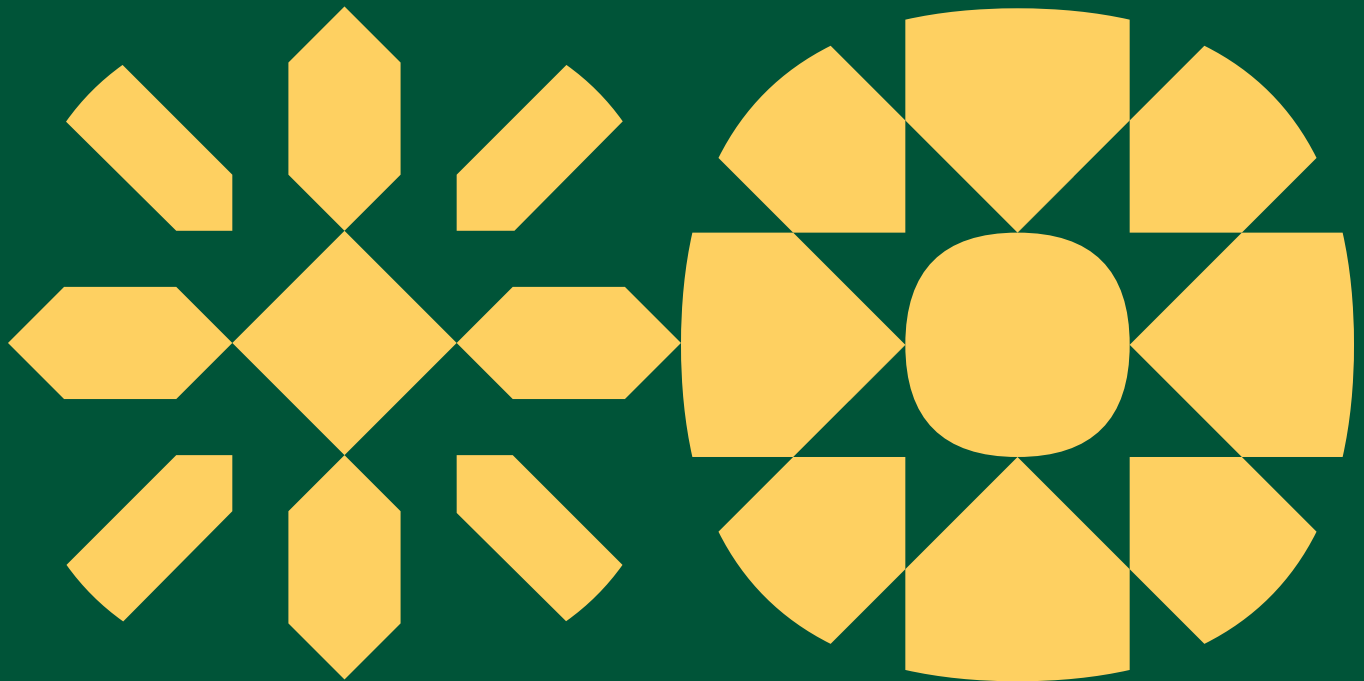
Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
Pinus mugo				
Værnting Nyskov	2023	99 (V)	101,919	670
Karup DK	2021	97 (V)	116,049	670
Mourier-Petersen DK	2020	94	112,655	670
Pinus mugo				
Truust L.127 DK	2024	99	139,158	670
Pinus mugo var. pumilio				
Viuf DK	2021 - Pending new crop	98 (V)	133,977	670
Villanderer IT	2019 - Pending new crop	90	145,443	670
Pinus mugo var. uncinata				
Laugesen F. DK	No crop	-	-	670
Pinus peuce				
Truust L.225 DK	 2021	96 (V)	16,604	270
Pinus ponderosa				
Trout Lake WA US	-	99	29,276	800
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 DK	No crop	-	-	1,270
Lystrup FP.258 DK	2023	99 (V)	144,891	1,270
Toftlund FP.257 DK	2022	94	153,844	1,270
Gurre Vang FP.227	2022	96	144,891	1,270
Pseudotsuga menziesii var. menziesii				
Tophøj FP.659 DK	  2022	98	77,953	2,240
Tophøj FP.659 DK	 2022	98	75,989	2,000
Darrington WA Z403 US	2021 - Pending new crop	97 (V)	80,501	910
La Luzette FR	2020	99 (V)	85,833	2,000
Pseudotsuga menziesii var. glauca				
Lincoln National Forest NM US	-	99 (V)	59,510	1,470
Sequoiadendron giganteum				
WA US	2019 - Pending new crop	43	81,666	1,347
Thuja occidentalis				
Hjorthede L.228 DK H	 2016	72	702,334	670
Thuja plicata				
Bregentved Østerskov F.867 DK	 2023	79 (V)	706,691	935
Tsuga heterophylla				
Hovborg F.879 DK	 2023	92 (V)	416,509	1,470
Harboe L.268 DK	2021 - Pending new crop	92 (V)	379,116	1,200

Broad-leaved

Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
Acer campestre				
Laugesen L.274 DK	  No crop	-	-	105
HU	 2022	53 (V)	6,688	40
Acer platanoides				
Laugesen FP.650 DK	2022 - Pending new crop	92 (V)	4,597	160
Tophøj FP.653 DK	2022 - No crop	90 (V)	5,571	160
Bregentved F.794 DK	2018 - Pending new crop	78 (V)	5,707	150
Acer pseudoplatanus				
Bregentved F.648 DK	2023 - Pending new crop	83 (V)	6,356	135
Havreballe F.871 DK	 2022 - Pending new crop	93 (V)	8,857	135
Alnus glutinosa				
Tophøj FP.653 DK	No crop	-	-	870
Laugesen FP.658 DK	2019 - No crop	76	522,464	870
Truust F.782 DK	2023	91 (V)	474,716	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 lamarckii				
Truust L.130 DK	2024 - No crop	85	120,569	940
Amelanchier spicata				
Truust L.215 DK	2023	78 (V)	161,005	670
Aronia melanocarpa				
Truust L.060 DK	2022	93 (V)	389,121	605
NL	2017	98 (V)	270,290	180
Betula pendula				
Truust FP.644 DK	2023	26	1,744,086	240
Betula pubescens				
Truust F.880 DK	 2023	40	1,995,470	335
Truust FP.645 DK	2023	45	1,243,307	240
Calluna vulgaris				
Kongenshus DK	2019	-	3,200,000	200
Carpinus betulus				
Bregentved F.567 DK	2023	83 (V)	16,958	115
Cornus mas				
Kørup DK	2021	99 (V)	4,652	80
Cornus sanguinea				
Truust L.129 DK	2023	99 (V)	16,723	160
Cotoneaster lucidus				
Truust L.261 DK	2023	88 (V)	43,260	670
Crataegus laevigata				
Truust DK	2019 - No crop	82 (V)	17,578	60
Crataegus monogyna				
Tophøj L.269 DK	2023 - No crop	70 (V)	8,653	60
Laugesen L.250 DK	2023 - Pending new crop	69 (V)	7,709	40
Cytisus scoparius				
IT	2018	99 (V)	126,288	110

Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
Euonymus europaeus				
Truust L.222 DK	2022	99 (V)	33,111	270
Fagus sylvatica				
Laugesen F.841 DK	No crop	-	-	Daily rate
Bregentved, Grevindeskoven F.509 DK	2022 - Pending new crop	75	3,892	Daily rate
Bregentved, Haslev Orned F.529 DK	2022 - Pending new crop	82	4,059	Daily rate
PL	 2022 - Pending new crop	88	4,307	Daily rate
Fagus sylvatica purpurea				
BE	 2022 - Pending new crop	95 (V)	3,120	Daily rate
Frangula alnus				
Truust L.271 DK	2023	99 (V)	42,937	470
Juglans nigra				
Knuthenborg DK	 2022 - Pending new crop	99 (V)	100	16
Lonicera xylosteum				
Truust L.120 DK	2023 - No crop	99 (V)	261,490	400
Malus sylvestris				
Truust L.192 DK	2023	99 (V)	44,395	470
Physocarpus opulifolius				
Truust L.122 DK	2023	99 (V)	1,100,000	800
Prunus avium				
Tophøj FP.662 DK	2024 - Pending new crop	98	5,687	135
Truust F.791 DK	2024 - Pending new crop	90	4,858	100
Prunus cerasifera				
Truust L.128 DK	2022 - Pending new crop	99 (V)	2,374	40
Prunus spinosa				
Truust L.218 DK	2023 - Pending new crop	99 (V)	6,511	60
Pyrus pyraister				
Tophøj L.270 DK	2023	97 (V)	46,860	510
Quercus petraea				
C.E. Flensborg FP.647 DK	 2023 - No crop	96 (V)	299	Daily rate
Laugesen Plantage F.856 DK	2023 - No crop	94 (V)	383	Daily rate
Stenholt F.750 DK	2022 - No crop	60 (V)	256	Daily rate
Agder NO	2024 - Pending new crop	93	310	Daily rate
Quercus robur				
Truust F.792 DK	2023 - No crop	95 (V)	302	Daily rate
Bregentved, Grevindeskoven FP.801	2023 - No crop	93 (V)	241	Daily rate
Bregentved, Ulstruplund. FP.802	No crop	-	-	Daily rate
Quercus rubra				
C.E. Flensborg F.861 DK	No crop	-	-	Daily rate
Bregentved F.678 DK	2022 - Pending new crop	85 (V)	195	Daily rate
Ribes alpinum				
Truust L.262 DK	2023	99 (V)	296,072	605
Robinia pseudoacacia				
Nyirsergi HU	2015	49	39,217	160
HU	2012	59	44,637	90
Rosa canina				
Truust L.217 DK	2023	93 (V)	54,386	110
Rosa carolina				
Truust L.062 DK	2023	59 (V)	107,407	110
Rosa dumalis				
Truust L.022 DK	2021	64 (V)	39,466	110

Name and provenance	Crop year	Germination %	Seed/kg	EUR (kg)
Rosa multiflora				
Truust L.224 DK	2023 - Pending new crop	93 (V)	235,838	110
Rosa rubiginosa				
Truust L.014 DK	2023 - No crop	91 (V)	73,098	110
Rosa spinosissima/pimpinellifolia				
Truust L.241 DK (høj type)	2023 - Pending new crop	58 (V)	25,503	110
Laugesen L.266 DK (lav type)	2023 - No crop	94 (V)	79,898	200
Rosa virginiana				
Truust L.015 DK	2021	82 (V)	165,505	110
Sorbus aucuparia				
Tophøj L.239 DK	2023 - Pending new crop	85 (V)	326,923	470
Truust L.124 DK	2024 - Pending new crop	98	397,717	335
Sorbus mougeotti				
Laugesen L.248 DK	2021	98 (V)	73,128	335
Styrax japonicus				
Truust L.275 DK	2021 - Pending new crop	97 (V)	9,070	270
Syringa josikaea				
HU	2012	95 (V)	100,700	400
Tilia cordata				
MR/72124/24 PL	2023	81 (V)	20,506	115
Tilia platyphyllos				
Truust FP.643 DK	2023	95 (V)	15,866	150
Ulmus japonica				
Truust L.272 DK	2021	77 (V)	191,141	135
Viburnum opulus				
Truust L.012 DK	2023 - Pending new crop	99 (V)	36,349	175
Truust L.242 DK	2023 - Pending new crop	99 (V)	34,185	175



**Part of Hedeselskabet.
Dedicated to nature**

We are all dependent on nature. This was true back in 1866, when Enrico Mylius Dalgas helped found Hedeselskabet – and it remains true today, as we carry his name and follow his pursuit of utilizing and protecting nature. On land, at sea, and in the future.

dalgas.com



DALGAS
Part of Hedeselskabet