



# INDEX SEMINUM

QUÆ IN

HORTO PHYSICO CHELSEIANO  
MUTUA COMMUTATIONE OFFERUNTUR



LONDON  
2018

**Chelsea Physic Garden**

66 Royal Hospital Road, London SW3 4HS, United Kingdom.

[www.chelseaphysicgarden.co.uk](http://www.chelseaphysicgarden.co.uk)

[seedroom@chelseaphysicgarden.co.uk](mailto:seedroom@chelseaphysicgarden.co.uk)

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*Director:*

*Taxonomist:*

*Head of Plant Collections:*

*Seed Collector:*

*Seed Distribution:*

Sue Medway

Susyn Andrews

Nell Jones

Allison Napier

Lucy de Castro

The Chelsea Physic Garden is a Company registered in England  
No. 1690871 and a Registered Charity No. 286513

## A Short History of the Seed List

Chelsea Physic Garden was founded in 1673 by the Worshipful Society of Apothecaries, London. By 1682 it was well established and the Curator, John Watts, invited Dr Paul Hermann of the Leiden University Botanic Garden to visit the Physic Garden. The idea of a plant and seed exchange between the two botanic gardens was formulated and Watts visited Leiden early in 1683 taking plants and seeds with him.

Such exchanges of plant material have continued until the present day, enabling botanic gardens all over the world to introduce new plants to their countries and to maintain interesting and diverse collections within their grounds.

The Chelsea Physic Garden seed list, as we know it now, was first produced in 1901 when the City Parochial Foundation took over the management of the Garden. In 1983 the Garden was placed in the care of a group of trustees and since then the Society of Apothecaries has kindly agreed to finance the seed list. The seed exchange now operates between Chelsea Physic Garden and approximately 385 other botanic gardens and universities in 37 different countries.



The trustees of Chelsea Physic Garden wish to acknowledge the support in producing this seed list, which they receive from the Worshipful Society of Apothecaries of London, whose coat of arms is shown above and in the illustration on the back cover.

Seeds collected in 2018 from open-pollinated plants grown in Chelsea Physic Garden. Information on any incorrect determination of seeds supplied will be appreciated. Seed collection and distribution by the Garden staff and volunteers.

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## Acanthaceae

- 1        *Strobilanthes attenuata* (Nees) Nees subsp. *attenuata*

## Amaranthaceae

- 2        *Hablitzia tamnoides* M.Bieb.  
3        *Pleuropetalum darwinii* Hook.f.

## Apiaceae

- 4        *Ammi visnaga* (L.) Lam.  
5        *Athamanta turbith* (L.) Brot.  
6        *Conium maculatum* L.  
7        *Eryngium creticum* Lam.  
8        *Eryngium pandanifolium* Cham. & Schltld.  
9        *Ferula communis* L. subsp. *glauca* Rouy & Camus  
10       *Heteromorpha arborescens* (Spreng.) Cham. & Schltld.  
11       *Ligusticum lucidum* Mill.  
12       *Ligusticum scoticum* L.  
13       *Melanoselinum decipiens* (Schrad. & Wendl.) Hoffm.  
14       *Oenanthe crocata* L.

## Aquifoliaceae

- 15       *Ilex pernyi* Franch.

## Araceae

- 16       *Arisaema tortuosum* (Wall.) Schott

## Asparagaceae

- 17 *Ruscus aculeatus* L.
- 18 *Scilla peruviana* L.

## Asteraceae

- 19 *Argyranthemum pinnatifidum* (L.f.) Lowe subsp. *pinnatifidum*
- 20 *Artemisia annua* L.
- 21 *Echinacea pallida* (Nutt.) Nutt.
- 22 *Echinacea tenesseeensis* (Beadle) Small
- 23 *Helichrysum fontanesii* Cambess.
- 24 *Inula helenium* L.
- 25 *Lactuca virosa* L.
- 26 *Onopordum illyricum* L. subsp. *illyricum*
- 27 *Onopordum nogalesii* Svent.
- 28 *Podanthus ovatifolius* Lag.
- 29 *Rhaponticum centauroides* G.Don ex Loudon
- 30 *Santolina chamaecyparissus* L.
- 31 *Santolina magonica* O.Bolòs, Molin. & P.Monts.
- 32 *Santolina oblongifolia* Boiss.
- 33 *Santolina villosa* Mill.

## Boraginaceae

- 34 *Echium wildpretii* Pearson ex Hook.f. subsp. *trichosiphon* Svent.
- 35 *Ehretia macrophylla* Wall.
- 36 *Heliotropium arborescens* L.

## Brassicaceae

- 37 *Crambe maritima* L.
- 38 *Descurainia millefolia* (Jacq.) Webb & Berthel.
- 39 *Malcolmia chia* (L.) DC.
- 40 *Malcolmia maritima* (L.) R.Br.
- 41 *Moricandia arvensis* (L.) DC.
- 42 *Succowia balearica* (L.) Medik.

## Campanulaceae

- 43 *Azorina vidualii* (H.C.Watson) Feer (pink-flowered form)
- 44 *Azorina vidualii* (H.C.Watson) Feer (white-flowered form)
- 45 *Campanula sarmatica* Ker Gawl.
- 46 *Musschia aurea* (L.f.) Dumort.

## Caprifoliaceae

- 47 *Scabiosa cretica* L.
- 48 *Scabiosa minoana* (P.H.Davis) Greuter subsp. *minoana*

## Caryophyllaceae

- 49 *Agrostemma githago* L.
- 50 *Agrostemma githago* L. subsp. *linicola* (Terechov.) K. Hammer
- 51 *Agrostemma gracile* Boiss.
- 52 *Dianthus armeria* L.
- 53 *Dianthus fruticosus* L.
- 54 *Dianthus juniperinus* J. E. Sm subsp. *bauhinorum* (Greuter) Turland
- 55 *Gypsophila acutifolia* Steven ex Spreng.
- 56 *Petrothagia saxifraga* (L.) Link
- 57 *Silene fimbriata* Sims

## Cornaceae

- 58 *Alangium chinense* (Lour.) Harms

## Crassulaceae

- 59 *Aeonium virgineum* Webb

## Cucurbitaceae

- 60 *Ecballium elaterium* (L.) A.Rich.

## Cyperaceae

- 61 *Carex muricata* L. subsp. *muricata*

## Elaeocarpaceae

- 62 *Crinodendron patagua* Molina

## Euphorbiaceae

- 63 *Euphorbia oblongata* Griseb.

## Francoaceae

- 64 *Francoa sonchifolia* Cav.

## Geraniaceae

- 65 *Pelargonium laxum* (Sweet) G. Don  
66 *Pelargonium odoratissimum* (L.) L'Hér.

## Ginkgoaceae

- 67 *Ginkgo biloba* L.

## Hypericaceae

- 68 *Hypericum canariense* L.  
69 *Hypericum forrestii* (Chitt.) N. Robson  
70 *Hypericum grandifolium* Choisy  
71 *Hypericum perforatum* L.

## Lamiaceae

- 72 *Ballota hirsuta* Benth.  
73 *Lavandula minutolii* Bolle var. *minutolii*  
74 *Lavandula viridis* L'Hér.  
75 *Marrubium globosum* Montbret & Aucher ex Benth. subsp. *libanoticum*  
(Boiss.) P.H.Davis  
76 *Phlomis bovei* Noë  
77 *Phlomis caballeroi* Pau  
78 *Phlomis chrysophylla* Boiss.  
79 *Rostrinucula dependens* (Rehder) Kudo  
80 *Salvia aucheri* Benth.  
81 *Salvia broussonetii* Benth.  
82 *Salvia canariensis* L.  
83 *Salvia hydrangea* DC. ex Benth.  
84 *Stachys citrina* Boiss. & Heldr.  
85 *Stachys germanica* L.  
86 *Stachys tymphaea* Hausskn.  
87 *Vitex agnus-castus* L.

## Lauraceae

- 88 *Neolitsea aurata* (Hayata) Koidz.

## Leguminosae

- 89 *Adenocarpus decorticans* Boiss.  
90 *Caragana tragacanthoides* (Pall.) Poir.  
91 *Ebenus cretica* L.  
92 *Glycyrrhiza yunnanensis* S.H.Cheng & L.K.Dai ex P.C.Li  
93 *Lathyrus niger* (L.) Bernh.  
94 *Melilotus officinalis* (L.) Pallas  
95 *Sophora cassioides* (F.Phil.) Sparre  
96 *Spartium junceum* L.  
97 *Trifolium rubens* L.



## Malvaceae

- 98 *Athaea officinalis* L.
- 99 *Hoheria sexstylosa* Colenso
- 100 *Lavatera oblongifolia* Boiss.
- 101 *Modiolastrum lateritium* (Hook.) Krapov.
- 102 *Sida rhombifolia* L.

## Paeoniaceae

- 103 *Paeonia cambessedesii* (Willk.) Willk.
- 104 *Paeonia daurica* Andrews

## Papaveraceae

- 105 *Glaucium flavum* Crantz
- 106 *Papaver somniferum* L.

## Plantaginaceae

- 107 *Asarina procumbens* Mill.
- 108 *Digitalis lanata* Ehrh.
- 109 *Digitalis sceptrum* L.f.
- 110 *Globularia cambessedesii* Willk.
- 111 *Globularia sarcophylla* Svent.
- 112 *Penstemon digitalis* Nutt.
- 113 *Veronica spicata* L. subsp. *spicata*

## Plumbaginaceae

- 114 *Limonium auriculae-ursifolium* (Pourr.) Druce

## Poaceae

- 115 *Coix lacryma-jobi* L.

## Primulaceae

- 116 *Lysimachia ciliata* L.
- 117 *Lysimachia minoricensis* Rodrig.

## Ranunculaceae

- 118 *Aconitum ferox* Wall. ex Ser.
- 119 *Actaea arizonica* (S.Watson) J.Compton
- 120 *Anemone riparia* Fern.
- 121 *Nigella sativa* L.

## Rhamnaceae

- 122 *Paliurus spina-christi* Mill.

## Rosaceae

- 123 *Bencomia moquiniana* Webb & Berthel.
- 124 *Dendriopoterium menendezii* Svent.

## Rubiaceae

- 125 *Phyllis nobla* L.

## Rutaceae

- 126 *Zanthoxylum piperitum* (L.) DC.

## Scrophulariaceae

- 127 *Phygellus capensis* E.Mey. ex Benth.
- 128 *Verbascum arcturus* L.

## Solanaceae

- 129 *Atropa belladonna* L.
- 130 *Datura stramonium* L.
- 131 *Hyoscyamus albus* L.
- 132 *Hyoscyamus aureus* L.
- 133 *Hyoscyamus niger* L.
- 134 *Physalis ixocarpa* Brot. ex Hornem.
- 135 *Vestia foetida* (Ruiz & Pav.) Hoffmanns.
- 136 *Withania coagulans* (Stocks) Dunal
- 137 *Withania somnifera* (L.) Dunal

## Styracaceae

- 138 *Styrax officinalis* L.

# Chelsea Physic Garden Weather Records 2018

**Highest air temperature:** 34.9°C (28 July)  
**Lowest air temperature:** -3.7°C (27 February)  
**Annual rainfall total:** 595.8mm

**Average monthly temperatures and total monthly rainfall:**  
**January 2018 - December 2018**

	<b>Air Max.</b> (°C)	<b>Air Min.</b> (°C)	<b>Ground</b> (°C)	<b>Rainfall</b> (mm) <b>total</b>
<b>January</b>	10.5	5.2	7.7	63.6
<b>February</b>	7.7	2.1	4.9	25
<b>March</b>	10.4	4.4	7.3	75.8
<b>April</b>	19.4	10.4	14.1	50.2
<b>May</b>	22.7	11.2	16.6	59.5
<b>June</b>	23.7	14	20.1	0.5
<b>July</b>	27.1	18.2	22.4	27
<b>August</b>	24.7	15.5	19.9	58.3
<b>September</b>	21.2	11.9	15.8	30.8
<b>October</b>	17.1	9.4	12.3	60
<b>November</b>	12.8	7.3	9.6	87.6
<b>December</b>	11.1	6	8.9	57.5



## 2018 INDEX SEMINUM AND AFFIDAVIT

Against the background of the provisions and decisions of the Convention on Biological Diversity of 1992 (CBD) and in particular those on access to genetic resources and benefit-sharing, the garden is dedicated to promoting the conservation, sustainable use, and research of biological diversity. The garden therefore expects its partners in acquiring, maintaining, and transferring plant material to always act in accordance with the CBD and the Convention on the International Trade in Endangered Species (CITES).

The responsibility for legal handling of the plant material passes on to the recipient upon receipt of the material. The requested plant material will be supplied to the recipient only on the following conditions:

1. Based on this agreement, the seed is supplied only for non-commercial use such as scientific study and educational purposes as well as environmental protection.
2. If the recipient seeks to commercialise the genetic material, its products or research derived from it, or pass any of these on to a third party, permission must first be sought from Chelsea Physic Garden. Such commercialisation will be subject to a separate agreement. Additionally, the country of origin's prior informed consent (PIC) must be obtained in writing before the material is used or transferred. The recipient is responsible for ensuring an equitable sharing of benefits
3. On receiving the seeds, the recipient endeavours to document the received seeds, their origin (country of origin, first receiving garden, 'donor' of the plant material, year of collection) as well as the acquisition and transfer conditions in a comprehensible manner.
4. In the event that scientific publications are produced based on the supplied plant material, the recipient is obliged to indicate the origin of the material (the supplying garden and if known the country of origin) and to send these publications to the garden and to the country of origin without request.
5. On request, the garden will forward relevant information on the transfer of the plant material to the body charged with implementing the CBD<sup>1</sup>.
6. The recipient may transfer the received plant material to third parties only under these terms and conditions and must document the transfer in a suitable manner.

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I agree to comply with the conditions above.

**Name**

**Institution Name**

**Address & stamp**

**Signature & Date**

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<sup>1</sup> ideally, the national focal point in the garden's home country




## 2018 Desiderata

A maximum of 15 taxa may be ordered.

Your address:

Taxa requested (only catalogue number required).


Please return the signed affidavit together with the completed order form to:

 Seed Room, Chelsea Physic Garden, 66 Royal Hospital Road, London SW3 4HS, United Kingdom.

 [seedroom@chelseaphysicgarden.co.uk](mailto:seedroom@chelseaphysicgarden.co.uk)



The Worshipful Society of Apothecaries of London's Crest  
on the Embankment Gate at Chelsea Physic Garden.  
Drawn by Sophie Royde-Smith

Cover: *Valeriana officinalis* L. by Barbara McLean  
Chelsea Physic Garden Florilegium Society

*Chelsea Physic Garden*  
66 Royal Hospital Road  
London SW3 4HS  
United Kingdom