



INDEX SEMINUM 2020

harvested in 2019

Our collection area is NW-Germany

All seeds are from natural habitats only

This year we only offer seeds from:

salt marshes & dunes



In 2019, we opened a new glasshouse dedicated to dry adapted subtropical plants.

Carl-von-Ossietzky-Universität / Botanischer Garten
Philosophenweg 39-41
D-26121 Oldenburg / Germany
Tel. ++49 (0) 441 / 798-6900 / Fax ++49 (0) 441 / 798-6905
E-mail: bot.garten@uol.de
Internet: www.uol.de/botgarten

We offer only field collections of seeds from **North-West Germany** and its coast line. Our Index Seminum is issued every year and is sent by E-mail to all botanical gardens and institutions taking part in the international seed exchange network.

Please insert your **desiderata** in the order form at the end of the catalogue and send it back as soon as possible. We beg you to restrict your desiderata to 10 seed portions!

By requesting seeds from Oldenburg University Botanical Garden you confirm to agree to the rules of seed exchange according to CBD and other commitments (given further below).

Prof. Dr. Dirk C. Albach
(director)

Dr. Klaus Bernhard von Hagen
(curator)

Dipl.-Ing. Klaus Reis
(head gardener)

Field collectors: Heidelinde Röder (HR), Claas Sandstede (CS)

Seed collection managers: Ute Punke, Renate Brüggemann

Garden office: Andrea Lübben

Explanations and abbreviations

IPEN number DE-0-OLD-19-065-13-10
 A B C D E F GH

A country of origin (abbreviation according to BGCI; XX = unknown origin)

B restrictions of transfer (0 = no restriction, 1 = restricted)

C Garden Code (OLD = BG of the University of Oldenburg)

D-H our internal accession number

Used literature

CORDES, H., J. FEDER, F. HELLBERG, D. METZING & B. WITTIG (eds.) (2006): Atlas der Farn- und Blütenpflanzen des Weser-Elbe-Gebietes. – Hauschild, Bremen.

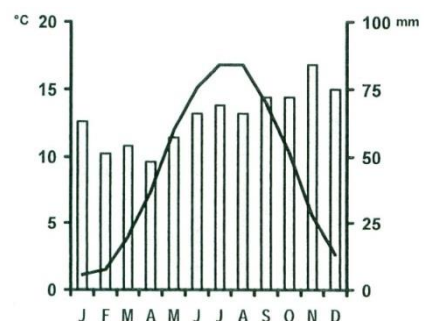
WISSKIRCHEN, R. & H. HAUEPLER (1998): Standardliste der Farn- und Blütenpflanzen Deutschlands. – Ulmer, Stuttgart.

ANGIOSPERM PHYLOGENY GROUP (2016): An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. Bot. J. Linn. Soc. 181: 1–20.

Location and climate

Oldenburg University Botanical Garden, public area
Philosophenweg
N 53° 8' 50" E 8° 11' 52", area: 3,7 ha

Oldenburg University Botanical Garden, secluded area Küpkersweg
N 53° 9' 7" E 8° 9' 43", area: 1,4 ha



Climate diagram for the
Oldenburg-area
(period 1960-1990)

Seedlist 2019/20

Amaranthaceae

- 1 *Atriplex portulacoides* L. DE-0-OLD-19-065-01-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
2 *Atriplex praecox* Hülf. DE-0-OLD-19-065-02-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
3 *Salicornia europaea* L. s. l. DE-0-OLD-19-065-03-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR

Apiaceae

- 4 *Daucus carota* L. DE-0-OLD-19-065-04-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR

Asteraceae

- 5 *Artemisia maritima* L. DE-0-OLD-19-065-05-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
6 *Artemisia vulgaris* L. DE-0-OLD-19-065-06-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
7 *Aster tripolium* L. DE-0-OLD-19-065-07-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
8 *Cirsium arvense* (L.) SCOP. DE-0-OLD-19-064-03-10; D, Niedersachsen, Jadebusen, Beckmannsfeld; 23.07.2019, CS & HR
9 *Senecio inaequidens* DC. DE-0-OLD-19-065-08-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
10 *Sonchus arvensis* L. DE-0-OLD-19-064-02-10; D, Niedersachsen, Jadebusen, Beckmannsfeld; 23.07.2019, CS & HR
11 *Tanacetum vulgare* L. DE-0-OLD-19-065-09-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR

Caryophyllaceae

- 12 *Spergularia salina* (L.) J. PRESL & C. PRESL DE-0-OLD-19-064-04-10; D, Niedersachsen, Jadebusen, Beckmannsfeld;
23.07.2019, CS & HR

Cyperaceae

- 13 *Eriophorum vaginatum* L. DE-0-OLD-19-063-01-10; D, Weser-Ems Gebiet, Bad Zwischenahn, Großes Engelse Meer; 23.09.2019,
CS & HR

Fabaceae

- 14 *Trifolium arvense* L. DE-0-OLD-19-065-10-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR

Plantaginaceae

- 15 *Plantago coronopus* L. DE-0-OLD-19-065-11-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
16 *Plantago maritima* L. s. l. DE-0-OLD-19-065-12-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
17 *Plantago maritima* L. s. l. DE-0-OLD-19-064-05-10; D, Niedersachsen, Jadebusen, Beckmannsfeld; 23.07.2019, CS & HR

Plumbaginaceae

- 18 *Armeria maritima* (MILL.) WILLD. s. l. DE-0-OLD-19-065-13-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
19 *Limonium vulgare* MILL. DE-0-OLD-19-065-14-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR

Poaceae

- 20 *Ammophila arenaria* (L.) LINK DE-0-OLD-19-065-15-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR
21 *Elymus athericus* (LINK) KERGOUELEN DE-0-OLD-19-064-01-10; D, Niedersachsen, Jadebusen, Beckmannsfeld; 23.07.2019,
CS & HR
22 *Phragmites australis* (CAV.) TRIN. ex STEUD. DE-0-OLD-19-065-16-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019,
CS & HR
23 *Spartina anglica* C. E. HUBB. DE-0-OLD-19-065-17-10; D, Niedersachsen, Küste, Langeoog; 08.11.2019, CS & HR

**Agreement on the supply of living plant material by the Botanical Garden Oldenburg
for non-commercial purposes (i.a. for use in the context of IPEN gardens)**

Against the background of the *Convention on Biological Diversity* ("CBD") and the *Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization to the Convention on Biological Diversity*, the Botanical Garden Oldenburg is dedicated to promoting the conservation, sustainable use, and research of biological diversity. The Botanical Garden Oldenburg (the "supplier") therefore expect its partners in acquiring, maintaining, and transferring plant material to always act in accordance with the CBD, the Nagoya Protocol and the Convention on the International Trade in Endangered Species (CITES).

The responsibility for legal handling of the plant material listed below passes on from the supplier to the recipient upon receipt of the material. In line with the Code of Conduct of the *International Plant Exchange Network* (IPEN), of which the Botanical Garden Oldenburg is a member, the following conditions apply to this material transfer:

1. The recipient may **use the supplied plant material**, progeny or derivatives only for **non-commercial purposes** such as scientific study, education and conservation. Should the recipient at a later date intend a commercial use or a transfer to third parties for commercial use, the country of origin's prior informed consent (PIC) must be obtained in writing before the material is used or transferred.
2. The recipient is responsible for ensuring an **equitable sharing of benefits** in accordance with the CBD and the Nagoya Protocol.
3. The recipient must **keep all information on the received plant material**, including its origin (supplier, country of origin, year of collection) and the IPEN number, as well as the terms and 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 in those publications the origin of the material** (the supplying garden and, if known, the country of origin) as well as the IPEN number. The recipient shall send a copy of these publications to the supplier.
5. On request, the supplier will **forward relevant information** on this transfer of the plant material to the body charged with implementing the Nagoya Protocol¹.
6. The recipient may **transfer the received plant material**, its progeny or derivatives only for non-commercial use to bona fide third parties. Such transfer to third parties **must be under the terms and conditions of this agreement**, including the obligation to keep, cite and transfer the IPEN number. The recipient must document the transfer in a suitable manner.

¹ usually the competent national authority in the supplier's home country

Order Form

Index Seminar 2020 – collected in 2019



Please return to:

Carl-von-Ossietzky Universität
Botanischer Garten
Philosophenweg 39-41

D-26121 Oldenburg
Germany

List of plant material transferred under the agreement (on page 4) from the Botanical Garden Oldenburg to:

NAME, INSTITUTION, ADDRESS.....

.....

Index seminum number 2020	Species	IPEN number	Kind of material (s = seeds)

I accept the above conditions.

Recipient's name, stamp

Date, Signature