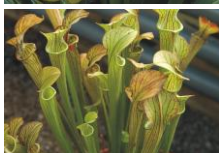




— OGRÓD —
BOTANICZNY
UNIWERSYTETU
MARII CURIE-SKŁODOWSKIEJ
LUBLIN

INDEX SEMINUM 2015



OGRÓD BOTANICZNY
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Cypripedium calceolus L.

LUBLIN

INDEX SEMINUM 2015
HORTUS BOTANICUS
UNIVERSITATIS MARIAE CURIE-SKŁODOWSKA



LUBLIN – POLONIA
2016

Horti Botanici Director

Dr Grażyna Szymczak

Horti collectors:

Michał Czernecki, Agnieszka Dąbrowska, Dorota Misiurek,
Krystyna Rysiak, Ryszard Sawicki

Graphicus involucrum

Agnieszka Dąbrowska

INDICACIONES REGIONALES

The Botanical Garden of Lublin is situated in the NW part of the town (population in the 2012 year – ca. 347 700).

Latitude 51° 16` N,

Longitude 22° 30` E.

The garden established in 1965, covers about 21.25 hectares, the area of the greenhouses 720 m². The terrain is highly diversified with altitudes from 217.0 m to about 178.0 m a. s. l.

Brown soils prevails.

Number of taxons 6700.

Meteorological data (1951–2010):

Mean annual temperature +8.3°C

Mean annual precipitation 550.6 mm

Meteorological data for meteorological station in Lublin Plac Litewski (2014-2015)

	Jan. 2014	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Temp. (°C)	-2.2	2.1	6.9	10.7	14.6	17.0	21.5	18.8	14.9	9.9	4.8	0.7
Precip. (mm)	59.6	11.9	31.3	37.1	175.7	62.7	50.0	78.0	20.9	23.4	23.2	36.7

	Jan. 2015	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Temp. (°C)	1.4	1.2	5.6	9.0	13.7	18.5	20.9	23.2	15.4	7.5	5.6	4.1
Precip. (mm)	39.9	8.2	38.7	21.6	101.7	16.3	21.9	4.7	80.8	41.1	37.5	20.5

The meteorological data came from the Meteorological Observatory of the Meteorology and Climatology Department, the Maria Curie-Skłodowska University in Lublin

Key to signs:

* - with geographical data - seeds and spores from plants introduced to the Garden from natural stands in Poland and seeds from plants obtained from other gardens as plants introduced from natural stands

Detailed information on request.

INDEX SEMINUM 2015
COLLECTORUM QUAE HORTUS BOTANICUS
UNIVERSITATIS MARIAE CURIE-SKŁODOWSKA
LUBLIN – POLONIA

AD MUTUO COMMUTANDUM OFFERT
SEMINA PLANTARUM IN HORTO BOTANICO CULTARUM

SPERMATOPHYTA

GYMNOSPERMAE

Pinaceae

- 1 *Picea orientalis* (L.) Peterm.
- 2 *Picea pungens* Engelm. ‘Glauca’

ANGIOSPERMAE

DICOTYLEDONEAE

Acanthaceae

- 3 *Acanthus hungaricus* (Borbás) Baen.

Adoxaceae

- 4 *Viburnum lantana* L.

Amaranthaceae

- 5 *Atriplex hortensis* L. ‘Lutea’
- 6 *Atriplex hortensis* L. ‘Rosa Königin’
- 7 *Chenopodium foliosum* Asch.

Apiaceae

- 8 *Angelica amurensis* Schischk.
- 9 * *Angelica archangelica* L. subsp. *litoralis* (Wahlenb.) Thell.
- 10 *Ammi visnaga* (L.) Lam.
- 11 * *Bupleurum praealtum* L.

- 12 * *Bupleurum ranunculoides* L.
 13 *Carum carvi* L. 'Konczewicki'
 14 *Coriandrum sativum* L.
 15 * *Eryngium bourgatii* Gouan
 16 *Eryngium giganteum* M. Bieb.
 17 *Eryngium serbicum* Pančić
 18 *Foeniculum vulgare* Mill.
 19 *Laser trilobum* (L.) Borkh.
 20 * *Laserpitium latifolium* L.
 Pieniny, Trzy Korony (980 m); 49° 24'N, 20° 24' E
 21 *Levisticum officinale* W.D.J.Koch
 22 *Myrrhis odorata* (L.) Scop.
 23 * *Orlaya grandiflora* (L.) Hoffm.
 24 * *Peucedanum verticillare* (L.) W.J.D. Koch ex DC.
 25 *Portenschlagiella ramosissima* (Port.) Tutin
 26 * *Scandix pecten-veneris* L.
 27 * *Seseli elatum* L. subsp. *osseum* (Crantz) P.W. Ball
 28 * *Seseli libanotis* (L.) W.D.J. Koch
 Pieniny, Trzy Korony (980 m); 49° 24'N, 20° 24' E

Apocynaceae

- 29 *Amsonia tabernaemontana* Walter
 30 *Asclepias speciosa* Torr.
 31 *Asclepias syriaca* L.

Araliaceae

- 32 *Aralia elata* (Miq.) Seem. var. *mandshurica* (Rupr. et Maxim.) J. Wen

Berberidaceae

- 33 *Berberis amurensis* Rupr.
 34 *Berberis aquifolium* Pursh
 35 *Berberis gagnepainii* C. K. Schneid.
 36 *Berberis jamesiana* Forrest et W.W. Sm.
 37 *Berberis lempergiana* Ahrendt
 38 *Berberis lycium* Royle 'Atropurpureum'
 39 *Berberis parvifolia* Sprague
 40 *Berberis thunbergii* DC. 'Atropurpurea'
 41 *Berberis thunbergii* DC. 'Golden Ring'
 42 *Sinopodophyllum hexandrum* (Royle) T.S. Ying

Betulaceae

- 43 *Alnus alnobetula* (Ehrh.) K. Koch subsp. *crispa* (Aiton) Raus

Bignoniaceae

- 44 *Incarvillea olgae* Regel

Boraginaceae

- 45 * *Cerintho minor* L.
Opoka Duża; 50° 51' N, 21° 52' E
- 46 * *Cynoglossum creticum* Mill.
- 47 * *Echium italicum* L.
- 48 * *Lithospermum officinale* L.
Opoka Duża; 50° 51' N, 21° 52' E
- 49 *Omphalodes linifolia* (L.) Moench

Brassicaceae

- 50 *Alyssoides utriculata* (L.) Medik. var. *bulgarica* (Sagorski) Hayek
- 51 *Barbarea verna* (Mill.) Asch.
- 52 *Brassica nigra* (L.) K. Koch
- 53 * *Bunias orientalis* L.
Kazimierz Dolny; 51° 19' N, 21° 55' E
- 54 * *Crambe hispanica* L.
- 55 *Crambe tataria* Sebeók
- 56 * *Hesperis matronalis* L.
- 57 * *Isatis tinctoria* L.
- 58 *Lepidium sativum* L.
- 59 *Lepidium sativum* L. 'Extra Triple Curled'
- 60 *Lunaria rediviva* L.
- 61 * *Peltaria alliacea* Jacq.
- 62 *Sinapis alba* L.
- 63 *Sisymbrium luteum* (Maxim.) O.E. Schulz

Calycanthaceae

- 64 *Calycanthus floridus* L.

Campanulaceae

- 65 *Campanula alliariifolia* Willd.

- 66 * *Campanula cervicaria* L.
 67 * *Campanula hofmannii* (Pantan.) Greuter et Burdet
 68 * *Campanula punctata* Lam.
 69 * *Campanula pyramidalis* L.
 70 * *Campanula rotundifolia* L.
 Gózd; 51° 23' N, 21° 23' E
 71 *Legousia speculum-veneris* (L.) Durande ex Vill.
 72 * *Lobelia siphilitica* L.
 73 * *Lobelia urens* L.
 74 * *Platycodon grandiflorus* (Jacq.) A. DC.

Caprifoliaceae

- 75 * *Centranthus ruber* (L.) DC.
 76 *Cephalaria uralensis* (Murray) Roem. et Schult.
 77 *Diervilla rivularis* Gatt.
 78 *Dipsacus laciniatus* L.
 79 *Lonicera chrysantha* Turcz. ex Ledeb. var. *koehneana* (Rehder) Q. E.
 Yang, Landerin, Borosova et J. Osborne
 80 *Morina longifolia* Wall. ex DC.
 81 * *Scabiosa lucida* Vill.
 82 *Weigela decora* (Nakai) Nakai
 83 *Weigela sanguinea* (Nakai) Nakai

Caryophyllaceae

- 84 *Dianthus giganteus* d'Urv. subsp. *croaticus* (Borbás) Tutin
 85 * *Dianthus sylvestris* Wulfen
 86 *Dianthus turkestanicus* Preobr.
 87 * *Eremogone capillaris* (Poir.) Fenzl
 88 * *Saponaria officinalis* L.
 Tarnogóra; 50° 53' N, 23° 06' E
 89 * *Silene chalcedonica* (L.) E.H.L. Krause
 90 * *Silene compacta* Fisch.
 91 * *Silene uniflora* Roth
 92 * *Silene viscaria* (L.) Jess.
 Gródek; 50° 47' N, 23° 56' E
 93 * *Silene vulgaris* (Moench) Garcke
 Kotlina Kłodzka, Śnieżnik (1400 m); 50° 10' N, 16° 51' E

Celastraceae

- 94** *Celastrus orbiculatus* Thunb.
- 95** *Euonymus europaeus* L. 'Red Cascade'
- 96** *Euonymus sachalinensis* (F. Schmidt) Maxim.

Cistaceae

- 97** * *Helianthemum ovatum* Dun.
Kozłiki; 52° 53' N, 23° 20' E

Cleomaceae

- 98** *Polanisia trachysperma* Torr. & A.Gray

Compositae

- 99** *Achillea asiatica* Serg.
- 100** * *Achillea crithmifolia* Waldst. et Kit.
- 101** *Achillea grandifolia* Friv.
- 102** * *Achillea nobilis* L.
- 103** *Achillea pyrenaica* Sibth. ex Godr.
- 104** * *Achillea salicifolia* Besser
Gródek; 50° 47' N, 23° 56' E
- 105** * *Achillea setacea* Waldst. et Kit.
Gródek; 50° 47' N, 23° 56' E
- 106** *Achillea thracica* Velen.
- 107** *Achillea tomentosa* L.
- 108** *Acmella oleracea* (L.) R.K. Jansen
- 109** *Anaphalis margaritacea* (L.) Benth. et Hook. f.
var. *cinnamomea* (DC.) Herder et Maxim.
- 110** *Arnica chamissonis* Less.
- 111** *Artemisia stelleriana* Besser
- 112** * *Caucasalia macrophylla* (M. Bieb.) B. Nord.
- 113** *Centaurea benedicta* (L.) L.
- 114** *Centaurea macrocephala* Muss. Puschk. ex Willd.
- 115** * *Centaurea phrygia* L. subsp. *pseudophrygia* (C.A. Mey.) Gugler
- 116** * *Chondrilla juncea* L.
- 117** * *Cirsium acaulon* (L.) Scop.
- 118** * *Cirsium eriophorum* (L.) Scop.
- 119** * *Cirsium monspessulanum* (L.) Hill
- 120** *Cosmos sulphureus* Cav.

- 121 *Crepis rubra* L.
- 122 * *Cyanus mollis* J. Presl et C. Presl
Bieszczady, Krzemień (1000 m); 49° 04' N, 22° 46' E
- 123 * *Cyanus montanus* (L.) Hill
- 124 * *Doellingeria umbellata* (Mill.) Ness
- 125 *Echinacea angustifolia* DC.
- 126 *Echinacea purpurea* (L.) Moench 'Alba'
- 127 *Echinacea purpurea* (L.) Moench 'Tetra Stern'
- 128 *Echinops ritro* L.
- 129 *Emilia coccinea* (Sims) G. Don
- 130 *Erigeron speciosus* (Lindl.) DC.
- 131 *Eriophyllum lanatum* (Pursh) J. Forbes
- 132 *Eupatorium cannabinum* L.
- 133 * *Eupatorium fistulosum* J. Barratt
- 134 * *Eupatorium maculatum* L.
- 135 *Eurybia macrophylla* (L.) Cass.
- 136 * *Euthamia graminifolia* (L.) Nutt.
- 137 *Grindelia squarrosa* (Pursh) Dunal
- 138 *Guizotia abyssinica* (L. f.) Cass.
- 139 * *Helenium amarum* (Raf.) H. Rock
- 140 *Helianthus mollis* Lam.
- 141 *Helichrysum plicatum* DC.
- 142 * *Heterotheca camporum* (Greene) Shinnors
- 143 *Hieracium sabaudum* L.
- 144 * *Hieracium umbellatum* L.
Tarnogóra; 50° 53' N, 23° 06' E
- 145 *Inula helenium* L.
- 146 * *Leontodon hispidus* L.
Dobużek; 50° 39' N, 23° 43' E
- 147 *Liatris spicata* (L.) Willd.
- 148 * *Ligularia alatipes* Hand.-Mazz.
- 149 * *Ligularia calthifolia* Maxim.
- 150 * *Ligularia fischeri* (Ledeb.) Turcz.
- 151 * *Ligularia persica* Boiss.
- 152 *Ligularia stenocephala* (Maxim.) Matsum. et Koidz.
- 153 *Onopordum acanthium* L.
- 154 *Psephellus dealbatus* (Willd.) K. Koch
- 155 * *Ratibida pinnata* (Vent.) Barnhart
- 156 *Rhaponticum centauroides* (L.) O. Bolòs

- 157 *Rhaponticum heleniifolium* Gren. & Godr.
 158 *Rudbeckia fulgida* Aiton var. *deamii* (S.F.Blake) Perdue
 159 * *Rudbeckia laciniata* L.
 Bieszczady, Krywe; 49° 15'N, 22° 31' E
 160 *Rudbeckia occidentalis* Nutt.
 161 *Scorzonera hispanica* L.
 162 *Scorzonera hispanica* L. 'Einjährige Riesen'
 163 * *Serratula tinctoria* L. subsp. *monticola* (Boreau) Berher
 164 *Silphium laciniatum* L.
 165 *Silybum eburneum* Coss. et Durieu
 166 *Silybum marianum* (L.) Gaertn.
 167 * *Solidago glomerata* Michx.
 168 *Solidago mollis* Bartl.
 169 * *Solidago patula* Muhl. ex Willd.
 170 *Solidago sempervirens* L.
 171 × *Solidaster luteus* (Everett) M.L. Green ex Dress
 172 * *Tanacetum balsamita* L.
 Matcze; 50° 58'N, 23° 58' E
 173 *Tanacetum coccineum* (Willd.) Grierson
 174 * *Tanacetum corymbosum* (L.) Sch. Bip.
 Zawadówka; 51° 07'N, 23° 22' E
 175 * *Tanacetum macrophyllum* (Waldst. et Kit.) Sch. Bip.
 176 * *Tanacetum millefolium* (L.) Tzvelev
 177 *Tanacetum parthenium* (L.) Sch. Bip.
 178 *Tanacetum vulgare* L.
 179 * *Telekia speciosa* (Schreb.) Baumg.
 Bieszczady, Pszczeliny (500-600 m); 49° 10'N, 22° 43' E
 180 *Tragopogon porrifolius* L. 'Mammoth Sandwich Island'
 181 *Tripteris vaillantii* Decne.
 182 * *Urospermum picroides* (L.) Scop. ex F.W.Schmidt
 183 *Verbesina helianthoides* Michx.
 184 * *Vernonia gigantea* (Walter) Trel. ex Trel.
 185 *Vernonia noveboracensis* (L.) Michx.
 186 * *Zinnia angustifolia* Kunth
 187 * *Zinnia peruviana* (L.) L.

Convolvulaceae

- 188 *Convolvulus tricolor* L.
 189 *Ipomoea purpurea* (L.) Roth

Cornaceae

- 190 *Cornus mas* L. 'Flava'

Crassulaceae

- 191 *Sedum aizoon* L.
192 *Sedum album* L.
193 *Sedum kamtschaticum* Fisch.
194 *Sedum spurium* M.Bieb.

Cucurbitaceae

- 195 * *Bryonia cretica* L. subsp. *dioica* (Jacq.) Tutin
196 *Cyclanthera pedata* (L.) Schrad.

Ebenaceae

- 197 *Diospyros lotus* L.

Euphorbiaceae

- 198 *Ricinus communis* L.

Gentianaceae

- 199 * *Gentiana siphonantha* Maxim. ex Kusn.

Grossulariaceae

- 200 *Ribes glandulosum* Grauer
201 *Ribes sanguineum* Pursh

Hydrangeaceae

- 202 *Deutzia scabra* Thunb. 'Candidissima'
203 *Deutzia scabra* Thunb. 'Plena'

Lamiaceae

- 204 *Agastache foeniculum* (Pursh) Kuntze
205 *Agastache foeniculum* (Pursh) Kuntze 'Golden Jubilee'
206 *Dracocephalum moldavica* L.
207 *Horminum pyrenaicum* L.
208 *Hyssopus officinalis* L.
209 *Lavandula angustifolia* Mill. 'Rosea'

- 210 *Leonurus cardiaca* L.
- 211 *Leonurus japonicus* Houtt.
- 212 * *Marrubium incanum* Desr.
- 213 *Monarda citriodora* Cerv. ex Lag.
- 214 *Monarda didyma* L.
- 215 * *Monarda fistulosa* L.
- 216 * *Monarda punctata* L.
- 217 *Nepeta sibirica* L.
- 218 *Origanum vulgare* L. subsp. *hirtum* (Link) Ietsw.
- 219 *Phlomis russeliana* (Sims) Lag. ex Benth.
- 220 *Phlomoide tuberosa* (L.) Moench
- 221 * *Prunella grandiflora* (L.) Scholler
Tarnogóra; 50° 53'N, 23° 06'E
- 222 *Prunella* × *intermedia* Link
- 223 * *Pycnanthemum virginianum* (L.) T. Durand et B.D. Jacks. ex B.L. Rob. et Fernald
- 224 *Salvia aethiopsis* L.
- 225 *Salvia argentea* L.
- 226 *Salvia farinacea* Benth.
- 227 * *Salvia glutinosa* L.
Bieszczady, Zasan (500 m); 49° 23'N, 22° 25'E
- 228 *Salvia jurisicii* Košanin
- 229 *Salvia nemorosa* L.
- 230 *Salvia nutans* L.
- 231 * *Salvia officinalis* L.
- 232 *Salvia officinalis* L. 'Albiflora'
- 233 *Salvia officinalis* L. 'Rosea'
- 234 *Salvia patens* Cav.
- 235 *Salvia pratensis* L. 'Albiflora'
- 236 *Salvia pratensis* L. 'Floribunda'
- 237 *Salvia repens* Burch. ex Benth.
- 238 * *Salvia sclarea* L.
- 239 * *Salvia verbenaca* L.
- 240 * *Salvia verticillata* L.
Wirkowice; 50° 52'N, 23° 03'E
- 241 *Salvia viridis* L.
- 242 *Scutellaria rubicunda* Hornem.
- 243 *Stachys alopecuros* (L.) Benth.
- 244 *Stachys byzantina* K. Koch.
- 245 * *Stachys germanica* L.

- 246 * *Stachys recta* L.
Opoka Duża; 50° 51' N, 21° 52' E

Lauraceae

- 247 *Lindera benzoin* (L.) Blume

Leguminosae

- 248 *Astragalus cicer* L.
249 *Baptisia tinctoria* (L.) Vent.
250 *Caragana frutex* (L.) K. Koch
251 *Colutea arborescens* L.
252 *Cercis siliquastrum* L. `Alba`
253 *Desmodium canadense* (L.) DC.
254 *Galega orientalis* Lam.
255 *Laburnum alpinum* (Mill.) Bercht. et J. Presl
256 *Lathyrus heterophyllus* L.
257 * *Lathyrus japonicus* Willd. subsp. *maritimus* (L.) P.W.Ball
258 * *Lathyrus niger* (L.) Bernh.
Wolwinów near Chełm; 51° 05' N, 23° 31' E
259 * *Lathyrus sylvestris* L.
Bieszczady, Zasan (500 m); 49° 23' N, 22° 25' E
260 * *Lembotropis nigricans* (L.) Griseb.
Łopiennik Górny; 51° 02' N, 23° 03' E
261 * *Onobrychis viciifolia* Scop.
262 * *Thermopsis lupinoides* (L.) Link
263 * *Trifolium angustifolium* L.
264 * *Trifolium pannonicum* Jacq.
Sobibór; 51° 28' N, 23° 38' E
265 * *Trifolium rubens* L.
Kąty; 50° 40' N, 23° 07' E
266 * *Vicia cassubica* L.
Pojezierze Mazurskie, Jezioro Przyszań - Leśniczówka Mamerki; 54° 11' N, 21° 38' E

Lythraceae

- 267 * *Lythrum salicaria* L.
Gródek; 50° 47' N, 23° 56' E

Malvaceae

- 268 * *Abutilon theophrasti* Medik.
269 *Alcea rosea* L. `Nigra`

- 270 *Hibiscus cannabinus* L.
 271 *Hibiscus trionum* L.
 272 *Kitaibelia vitifolia* Willd.
 273 *Sida hermaphrodita* (L.) Rusby

Oleaceae

- 274 *Ligustrum* × *vicaryi* Rehder

Onagraceae

- 275 * *Epilobium angustifolium* L.
 Huta Krzeszowska; 50° 31' N, 22° 27' E
 276 *Gaura lindheimeri* Engelm. et A. Gray
 277 *Gaura mollis* E. James
 278 *Oenothera fruticosa* L.
 279 *Oenothera rosea* L'Hér. ex Aiton

Paeoniaceae

- 280 *Paeonia anomala* L. subsp. *veitchii* (Lynch) D.Y. Hong et K.Y. Pan
 281 *Paeonia arietina* G. Anderson
 282 *Paeonia daurica* Andrews
 283 *Paeonia daurica* Andrews subsp. *mlokozewitschii* (Lomakin) D.Y. Hong
 284 *Paeonia mascula* (L.) Mill.
 285 *Paeonia officinalis* L.
 286 *Paeonia peregrina* Mill.

Papaveraceae

- 287 *Chelidonium majus* L. 'Flore Pleno'
 288 *Chelidonium majus* L. 'Laciniata'
 289 * *Corydalis cava* (L.) Schweigg. et Körte
 Bieszczady, Zasan (500 m); 49° 23' N, 22° 25' E
 290 * *Glaucium flavum* Crantz
 291 *Lamprocapnos spectabilis* (L.) Fukuhara 'Alba'
 292 *Macleaya microcarpa* (Maxim.) Fedde
 293 *Papaver cambricum* L.
 294 *Papaver dubium* L.
 295 * *Papaver nudicaule* L.
 296 * *Papaver pilosum* Sibth. et Sm.
 297 *Papaver rupifragum* Boiss. et Reut.
 298 *Pseudofumaria lutea* (L.) Borkh.

Phytolaccaceae

- 299 *Phytolacca americana* L.

Plantaginaceae

- 300 * *Antirrhinum majus* L.
301 *Digitalis ferruginea* L.
302 * *Digitalis ferruginea* L. subsp. *schischkinii* (K.V.Ivanova) K.Werner
303 * *Digitalis lutea* L. subsp. *australis* (Ten.) Arcang.
304 *Digitalis parviflora* Jacq.
305 * *Globularia meridionalis* (Podp.) O. Schwarz
306 *Globularia nudicaulis* L.
307 *Hebenstretia dentata* L.
308 *Penstemon alpinus* Torr.
309 *Penstemon digitalis* Nutt. ex Sims
310 *Penstemon fruticosus* (Pursh) Greene var. *scouleri* (Lindl.) Cronquist
311 *Plantago major* L. 'Purpurea'
312 *Veronica bachofenii* Heuff.
313 * *Veronica daurica* Steven
314 * *Veronica longifolia* L.
Ciechanki; 51° 16' N, 22° 55' E
315 *Veronica orientalis* Mill.
316 *Veronicastrum virginicum* (L.) Farw.

Plumbaginaceae

- 317 * *Armeria alliacea* (Cav.) Hoffmanns. et Link
318 * *Armeria villosa* Girard
319 *Limonium platyphyllum* Lincz.

Polemoniaceae

- 320 *Collomia grandiflora* Douglas ex Lindl.
321 *Gilia capitata* Sims

Polygonaceae

- 322 *Fagopyrum tataricum* (L.) Gaertn.
323 * *Rumex maritimus* L.
Jastarnia; 54° 42' N, 18° 40' E

Primulaceae

- 324 * *Lysimachia atropurpurea* L.
325 * *Lysimachia barystachys* Bunge
326 * *Lysimachia ephemerum* L.
327 *Lysimachia punctata* L.
328 * *Primula veris* L.
Tarnogóra; 50° 53' N, 23° 06' E
329 * *Primula veris* L. subsp. *suaveolens* (Bertol.) Gutermann et Ehrend.

Ranunculaceae

- 330 * *Actaea racemosa* L.
331 *Actaea rubra* (Aiton) Willd.
332 *Anemone canadensis* L.
333 * *Anemone virginiana* L.
334 * *Aquilegia atrata* Koch
335 *Delphinium elatum* L.
336 *Delphinium* 'Green Expectations'
337 *Eranthis hyemalis* (L.) Salisb.
338 *Nigella damascena* L.
339 * *Thalictrum aquilegifolium* L.
Wola Niemiecka, Kacze Doły; 51° 22' N, 22° 34' E

Resedaceae

- 340 * *Reseda luteola* L.
341 *Reseda odorata* L.

Rhamnaceae

- 342 *Rhamnus alnifolia* L'Hér.

Rosaceae

- 343 *Agrimonia eupatoria* L.
344 *Agrimonia procera* Wallr.
345 *Alchemilla alpina* L.
346 *Alchemilla speciosa* Buser
347 *Aronia arbutifolia* (L.) Pers.
348 *Aronia melanocarpa* (Michx.) Elliott
var. *grandiflora* (Lindl.) C.K. Schneid.
349 * *Cotoneaster niger* (Thunb.) Fr.
Pieniny, Trzy Korony (980 m); 49° 24' N, 20° 24' E

- 350 *Cotoneaster veitchii* (Rehder et E.H. Wilson) G. Klotz
 351 *Filipendula palmata* (Pall.) Maxim.
 352 *Filipendula* × *purpurea* Maxim.
 353 * *Filipendula vulgaris* Moench
 Kazimierz Dolny; 51° 18' N, 21° 54' E
 354 *Geum coccineum* Sibth. et Sm.
 355 *Geum urbanum* L.
 356 *Malus sargentii* Rehder
 357 *Physocarpus opulifolius* (L.) Maxim. 'Angel Gold'
 358 *Potentilla grandiflora* L.
 359 *Potentilla lineata* Trevir.
 360 *Potentilla recta* L.
 361 *Rosa californica* Cham. et Schltld. 'Plena'
 362 *Rosa canina* L. 'Polmeriana'
 363 *Rosa* × *centifolia* L. 'Alba'
 364 *Rosa* × *damascena* Mill.
 365 *Rosa gallica* L. 'Grandiflora'
 366 *Rosa glauca* Pourr.
 367 *Rosa moyesii* Hemsl. et E. H. Wilson
 368 *Rosa multiflora* Thunb.
 369 *Rosa pisocarpa* A. Gray
 370 *Rosa rugosa* Thunb. 'Hansa'
 371 *Rosa rugosa* Thunb. 'Kórnik'
 372 *Rosa* × *rugotida* Darthuis 'Dart's Deffender'
 373 *Rosa spinosissima* L.
 374 *Rosa spinosissima* L. 'Hispidá'
 375 *Sanguisorba canadensis* L.
 376 * *Sanguisorba minor* Scop.
 Kazimierz Dolny; 51° 18' N, 21° 55' E
 377 * *Sanguisorba officinalis* L.
 Lublin; 51° 16' N, 22° 30' E
 378 *Spiraea trifoliata* L.

Rubiaceae

- 379 *Asperula cynanchica* L.
 380 *Asperula tinctoria* L.
 Gródek; 50° 47' N, 23° 56' E
 381 * *Cephalanthus occidentalis* L.

Rutaceae

- 382 *Ruta chalepensis* L.
383 * *Ruta graveolens* L.

Sapindaceae

- 384 *Cardiospermum halicacabum* L.
385 *Dipteronia sinensis* Oliv.

Saxifragaceae

- 386 *Astilboides tabularis* (Hemsl.) Engl.
387 × *Heucherella tiarelloides* H.R. Wehrh.
388 *Peltoboykinia tellimoides* (Maxim.) H. Hara
389 *Peltoboykinia watanabei* (Yatabe) Hara
390 *Rodgersia sambucifolia* Hemsl.
391 *Saxifraga rotundifolia* L.
392 *Saxifraga* × *urbium* D.A. Webb
393 *Tellima grandiflora* (Pursh) Douglas ex Lindl.

Scrophulariaceae

- 394 *Alonsoa meridionalis* (L. f.) Kuntze
395 * *Buddleja davidii* Franch.
396 *Verbascum chaixii* Vill. 'Album'
397 *Verbascum nigrum* L.
398 * *Verbascum speciosum* Schrad.

Solanaceae

- 399 *Atropa belladonna* L. 'Lutea'
400 *Browallia americana* L.
401 *Capsicum annuum* L. 'Karkulka'
402 *Capsicum annuum* L. 'Miniature Chocolate Bell'
403 *Capsicum annuum* L. 'Petit Marseillais'
404 *Datura stramonium* L.
405 *Hyoscyamus niger* L.
406 *Jaltomata procumbens* (Cav.) J.L. Gentry
407 *Nicandra physalodes* (L.) Gaertn.
408 * *Petunia axillaris* (Lam.) Britton, Sterns et Poggenb.
409 *Solanum pimpinellifolium* L.
410 *Solanum scabrum* Mill.

411 *Solanum sisymbriifolium* Lam.

Styracaceae

412 *Halesia tetraptera* L. var. *monticola* (Rehder) Reveal et Seldin

413 * *Styrax japonicus* Siebold et Zucc.

Theaceae

414 *Stewartia pseudocamellia* Maxim.

Thymelaeaceae

415 *Daphne giraldii* Nitsche

416 *Daphne mezereum* L. 'Alba'

Urticaceae

417 *Urtica cannabina* L.

Verbenaceae

418 *Lantana camara* L.

419 *Verbena bonariensis* L.

420 *Verbena macdougalii* A. Heller

421 * *Verbena stricta* Vent.

422 * *Verbena urticifolia* L.

ANGIOSPERMAE

MONOCOTYLEDONEAE

Amaryllidaceae

423 *Allium aflatunense* B. Fedtsch.

424 *Allium altaicum* Pall.

425 *Allium ascalonicum* L.

426 *Allium cyathophorum* Bureau et Franch.

427 * *Allium flavum* L.

428 *Allium ledebourianum* Schult. et Schult. f.

429 *Allium moly* L.

430 * *Allium nutans* L.

431 *Allium obliquum* L.

432 * *Allium oleraceum* L.

433 *Allium pyrenaicum* Costa et Vayr.

434 * *Allium roseum* L.

435 *Allium sphaerocephalon* L.

436 * *Allium victorialis* L.
Zwierzyniec; 50° 37' N, 22° 58' E

Asparagaceae

437 * *Anthericum ramosum* L.
Tarnogóra; 50° 53' N, 23° 06' E

438 * *Asparagus verticillatus* L.

439 *Camassia cusickii* S. Watson

440 *Camassia leichtlinii* (Baker) S. Watson

441 *Ornithogalum princeps* (Baker) J.C. Manning et Goldblatt

442 *Ornithogalum pyrenaicum* L.

Cyperaceae

443 * *Carex flacca* Schreb.
Kazimierz Dolny; 51° 18' N, 21° 54' E

444 *Carex muskingumensis* Schwein.

445 * *Scirpoides holoschoenus* (L.) Soják

Dioscoreaceae

446 *Dioscorea caucasica* Lipsky

447 *Dioscorea polystachya* Turcz.

Iridaceae

448 *Iris domestica* (L.) Goldblatt et Mabb.

449 *Iris graminea* L.

450 *Iris orientalis* Mill.

451 * *Iris pseudacorus* L.
Rudniki; 50° 53' N, 19° 15' E

Juncaceae

452 * *Juncus inflexus* L.
Gołęb; 51° 29' N, 21° 53' E

453 * *Juncus tenuis* Willd.
Rataje; 51° 03' N, 21° 00' E

Liliaceae

454 *Tricyrtis latifolia* Maxim.

Melanthiaceae

455 *Anticlea elegans* (Pursh) Rydb.

Poaceae

- 456 * *Agropyron cristatum* (L.) Gaertn.
457 * *Andropogon gerardii* Vitman
458 *Anthoxanthum odoratum* L.
459 *Bouteloua curtipendula* (Michx.) Torr.
460 * *Brachypodium pinnatum* (L.) P. Beauv.
Kazimierz Dolny; 51° 19'N, 21° 56' E
461 * *Briza maxima* L.
462 * *Briza media* L.
Bieszczady, Krywe; 49° 15'N, 22° 31' E
463 * *Briza minor* L.
464 * *Bromus tectorum* L.
Janowiec; 51° 19'N, 21° 53' E
465 *Chasmanthium latifolium* (Michx.) H.O. Yates
466 *Chondrosum gracile* Kunth
467 *Coix lacryma-jobi* L.
468 *Elymus bungeanus* (Trin.) Melderis
469 *Eragrostis trichodes* (Nutt.) Alph. Wood
470 * *Festuca psammophila* (Hack. ex Čelak.) Fritsch
Kazimierz Dolny; 51° 18'N, 21° 54' E
471 *Hierochloe australis* (Schrud.) Roem. et Schult.
472 *Hierochloe repens* (Host) P. Beauv.
473 *Koeleria splendens* C. Presl
474 *Koeleria vallesiana* (Honck.) Bertol. ex Schult.
475 *Melica altissima* L.
476 *Melica ciliata* L.
477 *Miscanthus sinensis* Andersson
478 *Muhlenbergia mexicana* (L.) Trin.
479 *Panicum virgatum* L.
480 *Pennisetum flaccidum* Griseb.
481 * *Phleum phleoides* (L.) H. Karst.
Tarnogóra; 50° 53' N, 23° 06' E
482 *Schizachyrium scoparium* (Michx.) Nash
483 *Setaria macrostachya* Kunth
484 *Sesleria autumnalis* (Scop.) F.W.Schultz
485 *Sorghum bicolor* (L.) Moench 'Mohr'
486 *Sorghum bicolor* (L.) Moench 'Reisigbesen Siach'
487 * *Spodiopogon sibiricus* Trin.

488 * *Stipa calamagrostis* (L.) Wahlenb.

Xanthorrhoeaceae

489 *Asphodeline liburnica* (Scop.) Rchb.

490 *Asphodeline lutea* (L.) Rchb.

491 * *Asphodelus albus* Mill.

492 *Asphodelus ramosus* L.

493 *Eremurus himalaicus* Baker

494 *Eremurus robustus* (Regel) Regel

495 *Eremurus stenophyllus* (Boiss. et Buhse) Baker

496 *Hemerocallis dumortieri* C. Morren

497 *Hemerocallis minor* Mill.

498 *Hemerocallis thunbergii* Barr

499 *Kniphofia uvaria* (L.) Oken

SEMINA PLANTARUM EX NATURALIBUS COLLECTA

Michał Czernecki, Agnieszka Dąbrowska, Ryszard Sawicki

500	<i>Agrimonia eupatoria</i> L.	Podgórz; 51° 17'N, 21° 53' E
501	<i>Berberis vulgaris</i> L.	Dobre; 51° 17'N, 21° 53' E
502	<i>Brachypodium pinnatum</i> (L.) P. Beauv.	Męcimierz; 51° 18'N, 21° 54' E
503	<i>Cichorium intybus</i> L.	Podgórz; 51° 17'N, 21° 53' E
504	<i>Clinopodium vulgare</i> L.	Podgórz; 51° 17'N, 21° 53' E
505	<i>Cornus sanguinea</i> L.	Podgórz; 51° 17'N, 21° 53' E
506	<i>Daucus carota</i> L.	Podgórz; 51° 17'N, 21° 53' E
507	<i>Eryngium planum</i> L.	Podgórz; 51° 17'N, 21° 53' E
508	<i>Euonymus europaeus</i> L.	Podgórz; 51° 17'N, 21° 53' E
509	<i>Geum urbanum</i> L.	Chmiel; 51° 03'N, 22° 42' E
510	<i>Hieracium umbellatum</i> L.	Podgórz; 51° 17'N, 21° 53' E
511	<i>Hypericum perforatum</i> L.	Podgórz; 51° 17'N, 21° 53' E
512	<i>Inula ensifolia</i> L.	Męcimierz; 51° 18'N, 21° 54' E
513	<i>Jacobaea vulgaris</i> Gaertn.	Podgórz; 51° 17'N, 21° 53' E
514	<i>Juniperus communis</i> L.	Męcimierz; 51° 18'N, 21° 54' E
515	<i>Salvia verticillata</i> L.	Podgórz; 51° 17'N, 21° 53' E
516	<i>Stachys sylvatica</i> L.	Męcimierz; 51° 18'N, 21° 54' E
517	<i>Stellaria graminea</i> L.	Lublin; 51° 16'N, 22° 31' E
518	<i>Xanthium strumarium</i> L.	Kazimierz Dolny; 51° 19'N, 21° 55' E

In response to the Convention on Biological Diversity (Rio de Janeiro, 1992), the seeds are offered for exchange with botanic gardens, arboreta and other scientific institutions and may be used only for scientific, educational and conservation purposes.

NOMINA PLANTARUM INDICATA SUND:

Index Kewensis – www.theplantlist.org

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Please do not order more than 50 packages.

By requesting seeds you confirm to accept the conditions of the International Convention on Biological Diversity (Rio de Janeiro, 1992).

Your full address:

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Agreement on the supply of plant material

Since the Convention on Biological Diversity (Rio de Janeiro, 1992) entered into force, it has become necessary for botanic gardens to comply in particular with Article 15 (Access to genetic resources), especially in connection with the exchange of plant material.

Accordingly, the garden only passes on plant material under the condition that the user acts in the spirit of the Convention on Biological Diversity. The garden is dedicated to the conservation, sustainable use and research of biological diversity. With regard to the acquisition, maintenance and supply of plant material, the garden therefore expects its partners to act in a manner that is consistent to the letter and the spirit of the Biodiversity Convention on International Trade in Endangered Species (CITES) and in compliance with all relevant conventions and laws relating to the protection of Biological diversity.

Consequently, only those persons and institutions who accept the following conditions will receive plant material from garden's collection:

1. On the basis of this agreement, the material is intended to serve the common good, particularly scientific study, education and the interests of environmental protection.
2. Upon accepting plant material from the garden, the recipient is obliged to document and preserve information relating to the material appropriately.
3. In the event that scientific publications on the plant material provided are produced, the origin of the material is to be cited. In addition, these publications are expected to be sent to the garden automatically, without request.
4. Intended commercial use by the recipient is not covered by this agreement. The commercialization is the object of a separate agreement with the country of origin. This agreement underlies the provisions of the CBD, i. e. the user is obliged to share benefits with the country of origin and to forward relevant information to the authority instructed with the implementation of the CBD.
5. The garden will forward information on the material supply on the request to authority instructed with the implementation of the CBD¹.
6. Plant material may only be supplied on the basis and under the condition of this corresponding agreement.

I accept the above conditions.

Date, Signature

Name and address, stamp

¹in the ideal case the National Focal Point of the country of Botanic Garden