



Islamic Republic of Iran
Ministry of Jihad-e-Agriculture
Agricultural Research Organization
Research Institute of Forests and Rangelands

INDEX SEMINUM

2025-26



NATIONAL BOTANICAL GARDEN OF IRAN



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GEOGRAPHICAL LOCATION

Latitude: 35°44'29.4"

Longitude: 51°10'32.1"

Altitude: 1320 m.

TEMPERATURE

Temperature average: 14 °C

Maximum: 42-43 ° C

Minimum: - 10 C

PRECIPITATIONS: 240 mm

NATIONAL BOTANICAL GARDEN OF IRAN

A brief history and function of National Botanical Garden of Iran:

The construction of the National Botanical Garden of Iran NBGI began in 1968 and continues up to now. The area is about 150 hectares which consists of 22 different collections, representing Iranian and exotic habitats and vegetation types.

There are six lakes in the garden and also three hills representing the Alborz and Zagros Mountains, (two largest chain mountains of Iran) and Himalaya Mountain, the highest reaching up to 19 m.

One of the first completed part is a large Rock Garden with cliff walls and a waterfall, which hosts a special section for Iranian bulbous plants as well.

The Horticultural Display Area has been established and planted mainly with exotic species.

The Hyrcanian Forest Habitat (8 hectares) is another pioneer project.

The Zagros Oak Forest Habitat (2.9 hectares) are well established in the garden.

Another cliff wall with the waterfall has been built up in Alborz Section, where a wetland area has been designed and cultivated as well.

A river about 1000 meter length circulating between Caspian Lake and Reservoir Lake has been constructed. Another river runs from Alborz Waterfall into the Caspian Lake.

Another section is the Desert Plants with sand dunes, together with a salt lake and a wadi.

A Medicinal Plants Section added to the Garden and planted with native and exotic medicinal, aromatic and industrial plant species.

A Fruit Garden is planted using different native fruit cultivars.

The systematic garden also has been constructed, designed according to Cronquist's classification system and planted according to plant family's orders.

The Japanese and Chinese garden is a part of the National Botanical Garden, which has been implemented in an area about 2.5 hectares.

The arboretum is a much recent constructed section of the garden in an area of 15 hectares. The section includes pathways and a lake of about one hectare. The native trees and shrubs of Iran as well as exotic species are being planted in this part of the garden.

The Europe is a 2.4 exotic collection of the garden, decorated by Greek classical architecture.

The American Meadow is a 1.4 hectares area representing North American nature adopted with Tehran climate.

The central part of the garden representing a Persian Garden Design and rose garden have been established.

A Southern Iran Greenhouse has been constructed and planted with subtropical species of south Iran.

The National Botanical Garden of Iran is opened to the public and hosts various social events, including educational programs for students and NGO organizations.



Amaranthaceae

1	<i>Aerva javanica</i> (Burm.f.) Juss. ex Schult.	6-1
2	<i>Atriplex canescens</i> (Pursh) Nutt.	14-28
3	<i>Atriplex griffithii</i> Moq.	14-28
4	<i>Atriplex griffithii</i> Moq.	1-14
5	<i>Ceratocarpus arenarius</i> L.	20-3

Amaryllidaceae

6	<i>Allium affine</i> Ledeb.	12-5
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Anacardiaceae

7	<i>Rhus typhina</i> L.	20-3
8	<i>Cotinus coggygria</i> Scop.	20-3

Apiaceae

9	<i>Astrodaucus orientalis</i> (L.) Drude	12-6
10	<i>Bilacunaria microcarpa</i> (M.Bieb.) Pimenov & V.N.Tikhom.	1-6
11	<i>Echinophora sibthorpiana</i> Guss.	14-21
12	<i>Eryngium billardieri</i> F.Delaroche	20-3
13	<i>Eryngium planum</i> L.	14-18
14	<i>Ferula ovina</i> Boiss.	9-11
15	<i>Grammosciadium platycarpum</i> (Boiss. & Hausskn.) Schischk.	9-8
16	<i>Malabaila secacul</i> (Mill.) Boiss.	14-10
17	<i>Pastinaca sativa</i> L.	20-3
18	<i>Peucedanum cervariifolium</i> C.A.Mey.	2-1
19	<i>Prangos acaulis</i> (DC.) Bornm.	14-11
20	<i>Prangos asperula</i> subsp. <i>haussknechtii</i> (Boiss.) Herrnst. & Heyn	14-33
21	<i>Prangos ferulacea</i> (L.) Lindl.	14-31
22	<i>Prangos ferulacea</i> (L.) Lindl.	14-10
23	<i>Smyrniium cordifolium</i> Boiss.	21-2
24	<i>Visnaga daucoides</i> Gaertn.	20-3
25	<i>Visnaga daucoides</i> Gaertn.	1-13
26	<i>Zosima absinthiiifolia</i> (Vent.) Link	14-6
27	<i>Zosima absinthiiifolia</i> (Vent.) Link	14-23

Apocynaceae

28	<i>Asclepias curassavica</i> L.	20-3
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Asparagaceae

- 29 *Muscari neglectum* Guss. ex Ten. & Sangiov 20-3

Asphodelaceae

- 30 *Eremurus spectabilis* M.Bieb. 14-5

Asteraceae

- 31 *Achillea tenuifolia* Lam. 1-12
32 *Achillea vermicularis* Trin. 10-3
33 *Acroptilon repens* (L.) DC. 10-4
34 *Anthemis altissima* L. 11-2
35 *Anthemis maritima* L. 20-3
36 *Anthemis tinctoria* L. 20-3
37 *Artemisia scoparia* Waldst. & Kit. 11-4
38 *Artemisia sieberi* Besser 15-4
39 *Aster altaicus* Willd. 1-4
40 *Aster altaicus* Willd. 20-1
41 *Aster amellus* L. 13-2
42 *Aster diplostehioides* (DC.) Benth. ex C.B.Clarke 20-3
43 *Carthamus glaucus* M.Bieb. 14-21
44 *Centaurea behen* L. 1-2
45 *Centaurea behen* L. 20-3
46 *Centaurea benedicta* (L.) L. 14-12
47 *Centaurea cyanus* L. 14-12
48 *Centaurea pulchella* Ledeb. 1-2
49 *Centaurea virgata* Lam. 1-6
50 *Cirsium echinus* (M.Bieb.) Hand.-Mazz. 14-12
51 *Cirsium sorocephalum* Fisch. & C. A. Mey. 1-2
52 *Cirsium vulgare* (Savi) Ten. 12-5
53 *Cosmos sulphureus* Cav. 20-3
54 *Cousinia multiloba* DC. 1-6
55 *Dittrichia graveolens* (L.) Greuter. 9-11
56 *Echinops chardinii* Boiss. & Buhse 19-4
57 *Echinacea pallida* (Nutt.) Nutt. 20-3
58 *Echinacea paradoxa* Britton 15-1
59 *Echinacea purpurea* (L.) Moench 14-18

60	<i>Echinacea purpurea</i> (L.) Moench	20-3
61	<i>Echinops ritrodes</i> Bunge	17-4
62	<i>Grindelia hirsutula</i> Hook. & Arn.	20-3
63	<i>Helichrysum plicatum</i> DC.	14-31
64	<i>Helichrysum litoreum</i> Guss.	20-3
65	<i>Inula ensifolia</i> L.	20-3
66	<i>Inula helenium</i> L.	20-3
67	<i>Jurinea macrocephala</i> DC.	5-1
68	<i>Klasea cerinthifolia</i> (Sm.) Greuter & Wagenitz	20-3
69	<i>Lactuca serriola</i> L.	1-5
70	<i>Leucanthemella serotina</i> (L.) Tzvelev	20-3
71	<i>Rhaponticum repens</i> (L.) Hidalgo	10-4
72	<i>Sanvitalia procumbens</i> Lam.	20-3
73	<i>Scozonera laciniata</i> L.	20-3
74	<i>Serratula cerinthifolia</i> (Sm.) Boiss.	20-3
75	<i>Solidago altissima</i> L.	20-3
76	<i>Symphotrichum foliaceum</i> (Lindl. ex DC.) G.L.Nesom	20-3
77	<i>Tanacetum kotschy</i> (Boiss.) Grierson	20-3
78	<i>Tanacetum parthenium</i> (L.) Sch.Bip.	1-6
79	<i>Tanacetum parthenium</i> (L.) Sch.Bip.	20-3
80	<i>Verbesina encelioides</i> (Cav.) Benth. & Hook.f. ex A.Gray	21-1

Berberidaceae

81	<i>Berberis integerrima</i> Bunge	1-6
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Bignoniaceae

82	<i>Catalpa bignonioides</i> Walter	20-3
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Boraginaceae

83	<i>Anchusa arvensis</i> (L.) M.Bieb.ssp. <i>orientalis</i> (L.) Nordh.	1-4
84	<i>Anchusa azurea</i> Mill.	1-4
85	<i>Echium italicum</i> L.	14-19

Brassicaceae

86	<i>Aethionema grandiflorum</i> Boiss. & Hohen.	14-17
87	<i>Alyssum strigosum</i> Banks & Sol.	14-33
88	<i>Aubrieta deltoidea</i> (L.) DC.	14-18
89	<i>Conringia orientalis</i> (L.) C.Presl	1-4
90	<i>Fibigia clypeata</i> (L.) Medik.	14-19
91	<i>Fortuynia garcinii</i> (Burm.f.) Shuttlew.	14-19
92	<i>Isatis cappadocica</i> Desv.	19-3
93	<i>Isatis cappadocica</i> Desv.	14-27

94	<i>Isatis cappadocica</i> Desv.	14-9
95	<i>Isatis kotschyana</i> Boiss. & Hohen.	14-28
96	<i>Isatis tinctoria</i> L.	10-5
97	<i>Lepidium draba</i> L.	20-1
98	<i>Lepidium latifolium</i> L.	1-6
99	<i>Lepidium perfoliatum</i> L.	20-3
100	<i>Lunaria annua</i> L.	20-3

Campanulaceae

101	<i>Campanula bononiensis</i> L.	1-11
102	<i>Campanula latifolia</i> L.	20-3
103	<i>Campanula rotundifolia</i> L.	20-3
104	<i>Platycodon grandiflorus</i> (Jacq.) A.DC.	20-3

Capparaceae

105	<i>Capparis spinosa</i> L. var. <i>parviflora</i> (Boiss.) Boiss.	20-3
106	<i>Capparis spinosa</i> L.	14-13

Caprifoliaceae

107	<i>Dipsacus laciniatus</i> L.	20-3
108	<i>Lonicera iberica</i> M.Bieb.	14-2
109	<i>Lonicera floribunda</i> Boiss. & Buhse	14-28
110	<i>Pterocephalus canus</i> Coult. ex DC.	14-31
111	<i>Pterocephalus canus</i> Coult. ex DC.	14-32
112	<i>Sambucus canadensis</i> L.	20-3
113	<i>Scabiosa calocephalus</i> Boiss	14-21
114	<i>Scabiosa japonica</i> Miq.	20-3
115	<i>Scabiosa olieri</i> Coult.	10-5
116	<i>Symphoricarpos albus</i> (L.) S.F.Blake	20-3
117	<i>Viburnum lantana</i> Wall. ex D.Don	20-3

Caryophyllaceae

118	<i>Acanthophyllum speciosum</i> Schiman-Czeika	1-15
119	<i>Dianthus kiusianus</i> Makino	20-3
120	<i>Dianthus superbus</i> L.	20-3
121	<i>Gypsophila libanotica</i> Boiss.	20-3
122	<i>Silene armeria</i> L.	20-3
123	<i>Silene aucheriana</i> Boiss.	20-3
124	<i>Silene chalcedonica</i> (L.) E.H.L.Krause	20-3
125	<i>Silene coronaria</i> (L.) Clairv.	20-3
126	<i>Silene coronaria</i> (L.) Clairv.	14-16
127	<i>Silene flos-cuculi</i> (L.) Greuter & Burdet	20-3
128	<i>Silene virgata</i> Stapf	14-21
129	<i>Silene vulgaris</i> (Moench) Garcke	20-3

	130	<i>Spergularia diandra</i> (Guss.) Heldr.	19-3
	131	<i>Vaccaria hispanica</i> (Mill.) Rauschert	20-3
Celastraceae			
	132	<i>Euonymus latifolius</i> (L.) Mill.	12-3
	133	<i>Euonymus europaeus</i> L.	20-3
Chenopodiaceae			
	134	<i>Chenopodium foliosum</i> Asch.	15-3
	135	<i>Salsola aucheri</i> (Moq.) Bunge ex Iljin	1-14
	136	<i>Salsola kali</i> L.	1-14
	137	<i>Salsola montana</i> (Litv.) Akhani	15-5
	138	<i>Salsola nitraria</i> Pall.	1-10
	139	<i>Suaeda dendroides</i> (C.A.Mey.) Moq.	15-5
Cistaceae			
	140	<i>Helianthemum apenninum</i> (L.) Mill.	20-3
Calycanthaceae			
	141	<i>Calycanthus chinensis</i> (W.C.Cheng & S.Y.Chang) W.C.Cheng	20-3
Convolvulaceae			
	142	<i>Convolvulus arvensis</i> L.	5-3
	143	<i>Convolvulus tricolor</i> L.	20-3
Cornaceae			
	144	<i>Cornus amomum</i> Mill.	20-3
Cucurbitaceae			
	145	<i>Citrullus colocynthis</i> (L.) Schrad.	18-1
Ebenaceae			
	146	<i>Diospyros lotus</i> L.	20-3
	147	<i>Diospyros lotus</i> L.	4-1

Elaeagnaceae

- 148 *Hippophae rhamnoides* L. 1-1

Ephedraceae

- 149 *Ephedra intermedia* Schrenk & C.A.Mey. 20-3
150 *Ephedra major* Host 14-21

Fabaceae

- 151 *Amorpha fruticosa* L. 20-3
152 *Colutea buhsei* (Boiss.) Shap. 20-3
153 *Ebenus stellata* Boiss. 8-2
154 *Gymnocladus dioica* (L.) K.Koch 20-3
155 *Lathyrus latifolius* L. 20-3
156 *Lotus gebelia* Vent. 14-8
157 *Onobrychis caput-galli* (L.) Lam. 10-2
158 *Prosopis farcta* (Banks & Sol.) J.F.Macbr. 20-3
159 *Sophora alopecuroides* L. 1-4
160 *Styphnolobium japonicum* (L.) Schott 20-3
161 *Trifolium fragiferum* L. 14-16
162 *Wisteria sinensis* (Sims) Sweet 20-3
163 *Vicia villosa* Roth 14-31

Hypericaceae

- 164 *Hypericum perforatum* L. 20-3
165 *Hypericum scabrum* L. 1-7
166 *Hypericum scabrum* L. 14-31

Ixioliriaceae

- 167 *Ixiolirion tataricum* (Pall.) Schult. & Schult.f. 20-3

Lamiaceae

- 168 *Ballota nigra* L. 20-3
169 *Phlomoides molucelloides* (Bunge) Salmaki 9-8
170 *Marrubium anisodon* K.Koch 7-1
171 *Marrubium astracanicum* Jacq. 20-3
172 *Marrubium cuneatum* Banks & Sol. 11-4

173	<i>Marrubium vulgare</i> L.	9-4
174	<i>Marrubium vulgare</i> L.	20-3
175	<i>Marrubium vulgare</i> L.	9-11
176	<i>Marrubium vulgare</i> L.	14-8
177	<i>Mentha pulegium</i> L.	20-3
178	<i>Nepeta elliptica</i> Royle ex Benth.	20-3
179	<i>Nepeta cataria</i> L.	20-3
180	<i>Nepeta macrosiphon</i> Boiss.	14-18
181	<i>Ocimum basilicum</i> L.	20-3
182	<i>Origanum vulgare</i> L.	12-6
183	<i>Origanum vulgare</i> L.	20-3
184	<i>Phlomoides alpina</i> (Pall.) Adylov, Kamelin & Makhm.	20-3
185	<i>Phlomis bruguieri</i> Desf.	9-6
186	<i>Phlomis fruticosa</i> L.	20-3
187	<i>Phlomis kurdica</i> Rech.f.	9-4
188	<i>Phlomis maximowizii</i> (Regel) Kamelin & Makhm.	17-4
189	<i>Phlomis maximowizii</i> (Regel) Kamelin & Makhm.	20-3
190	<i>Salvia aethiopis</i> L.	20-3
191	<i>Salvia ceratophylla</i> L.	14-24
192	<i>Salvia nemorosa</i> L.	14-22
193	<i>Salvia nemorosa</i> L.	20-3
194	<i>Salvia palaestina</i> Benth.	9-7
195	<i>Salvia pratensis</i> L.	20-3
196	<i>Salvia roemeriana</i> Scheele	20-3
197	<i>Salvia spinosa</i> L.	14-20
198	<i>Salvia spinosa</i> L.	14-4
199	<i>Salvia spinosa</i> L.	9-5
200	<i>Salvia spinosa</i> L.	14-15
201	<i>Salvia verticillata</i> L.	1-2
202	<i>Salvia verticillata</i> L.	14-26
203	<i>Scutellaria pinnatifida</i> A.Ham.	14-7
204	<i>Stachys byzantina</i> K.Koch	20-3
205	<i>Stachys inflata</i> Benth.	12-5
206	<i>Stachys pubescens</i> Ten.	20-3
207	<i>Teucrium canadense</i> L.	20-3
208	<i>Teucrium orientale</i> L.	20-3
209	<i>Teucrium polium</i> L.	1-1
210	<i>Teucrium polium</i> L.	9-4
211	<i>Teucrium polium</i> L.	10-7
212	<i>Thymbra spicata</i> L.	20-3
213	<i>Thymus fallax</i> Fisch. & C.A.Mey.	20-3
214	<i>Thymus kotschyanus</i> Boiss. & Hohen.	1-3
215	<i>Thymus kotschyanus</i> Boiss. & Hohen.	14-28
216	<i>Thymus serpyllum</i> L.	20-3
217	<i>Vitex agnus-castus</i> L.	20-3
218	<i>Vitex negundo</i> L.	20-3

219	<i>Ziziphora clinopodioides</i> Lam.	5-1
220	<i>Ziziphora clinopodioides</i> Lam.	14-10
221	<i>Ziziphora tenuior</i> L.	14-20

Linaceae

222	<i>Linum austriacum</i> L.	9-5
223	<i>Linum grandiflorum</i> Desf.	20-3
224	<i>Linum perenne</i> L.	14-12
225	<i>Linum peyronii</i> Post	9-6
226	<i>Linum usitatissimum</i> L.	20-3

Lythraceae

227	<i>Lagerstroemia indica</i> L.	20-3
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Moraceae

228	<i>Alcea kopetdaghensis</i> Iljin	13-1
229	<i>Firmiana simplex</i> (L.) W.Wight	20-3
230	<i>Hibiscus trionum</i> L.	20-3
231	<i>Malope trifida</i> Cav.	20-3

Nitrariaceae

232	<i>Nitraria schoberi</i> L.	22-2
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Oleaceae

233	<i>Jasminum fruticans</i> L.	20-3
234	<i>Ligustrum tschonoskii</i> Decne.	20-3

Papaveraceae

235	<i>Eschscholzia californica</i> Cham.	20-3
236	<i>Glaucium flavum</i> Crantz	20-3
237	<i>Glaucium flavum</i> Crantz	14-24
238	<i>Glaucium flavum</i> Crantz	14-27
239	<i>Glaucium flavum</i> Crantz	14-30
240	<i>Papaver dubium</i> L.	14-21
241	<i>Papaver orientale</i> L.	20-3
242	<i>Papaver somniferum</i> L.	20-3

Plantaginaceae

- 243 *Plantago lanceolata* L. 12-6
 244 *Digitalis lutea* L. 20-3
 245 *Digitalis parviflora* Jacq. 20-3

Plumbaginaceae

- 246 *Ceratostigma griffithii* C.B. Clarke 20-3
 247 *Limonium minutum* (L.) Chaz. 20-3
 248 *Plumbago europaea* L. 12-6

Poaceae

- 249 *Eremopyrum distans* (K. Koch) Nevski 1-14
 250 *Echinaria capitata* (L.) Desf. 13-2
 251 *Festuca arundinacea* Schreb. 1-1
 252 *Festuca ovina* L. 14-28
 253 *Hordeum murinum* L. 14-3
 254 *Melica persica* Kunth 14-33
 255 *Melica persica* Kunth 20-3
 256 *Pennisetum orientale* Rich. 1-6
 257 *Phleum phleoides* H. Karst. 17-4

Polemoniaceae

- 258 *Phlox drummondii* Hook. 20-3

Polygalaceae

- 259 *Polygala irregularis* Boiss. 8-2
 260 *Atraphaxis spinosa* L. 8-1
 261 *Pteropium aucheri* Jaub. & Spach 14-12
 262 *Rumex obtusifolius* L. 14-33
 263 *Rumex pulcher* L. 14-18
 264 *Rumex vesicarius* L. 18-2

Primulaceae

- 265 *Androsace maxima* L. 10-6

Ranunculaceae

- 266 *Aquilegia alpina* L. 20-3
 267 *Aquilegia bernardii* Gren. & Gord. 20-3
 268 *Aquilegia chrysantha* A. Gray 20-3
 269 *Aquilegia formosa* Fisch. ex DC. 20-3
 270 *Aquilegia fragrans* Benth. 20-3
 271 *Aquilegia vulgaris* L. 20-3
 272 *Clematis orientalis* L. 20-3
 273 *Clematis songarica* Siev. ex Steud. 1-1
 274 *Clematis vitalba* L. 20-3
 275 *Nigella damascena* L. 20-3

	276	<i>Thalictrum minus</i> L.	20-3
Resedaceae	277	<i>Ochradenus baccatus</i> Delile	18-1
	278	<i>Reseda lutea</i> L.	15-5
	279	<i>Reseda lutea</i> L.	14-24
Rhamnaceae	280	<i>Frangula alnus</i> Mill.	20-3
	281	<i>Paliurus spina-christi</i> Mill.	20-3
	282	<i>Rhamnus alaternus</i> L.	20-3
Rosaceae	283	<i>Agrimonia eupatoria</i> L.	20-3
	284	<i>Aronia prunifolia</i> (Marshall) Rehder	14-34
	285	<i>Cotoneaster acutifolius</i> Turcz.	20-3
	286	<i>Cotoneaster allochrous</i> Pojark.	1-1
	287	<i>Cotoneaster dielsianus</i> E.Pritz.	20-3
	288	<i>Cotoneaster laxiflorus</i> J.Jacq. ex Lindl.	14-28
	289	<i>Cotoneaster nitens</i> Rehder & E.H.Wilson	20-3
	290	<i>Cotoneaster nummularius</i> Fisch. & C.A.Mey.	12-1
	291	<i>Cotoneaster nummularioides</i> Pojark.	9-1
	292	<i>Cotoneaster ovatus</i> Pojark.	14-28
	293	<i>Geum hispidum</i> Fr.	20-3
	294	<i>Potentilla recta</i> L.	14-33
	295	<i>Prunus divaricata</i> Ledeb	14-35
	296	<i>Prunus microcarpa</i> C.A.Mey.	14-28
	297	<i>Prunus microcarpa</i> C.A.Mey.	10-1
	298	<i>Prunus lycioides</i> (Spach) C.K.Schneid.	9-6
	299	<i>Prunus spinosa</i> L.	20-3
	300	<i>Pyrus betulifolia</i> Bunge	20-3
	301	<i>Pyrus floribunda</i> Lindl.	20-3
	302	<i>Rhaphiolepis umbellata</i> (Thunb.) Makino	20-3
	303	<i>Rosa canina</i> L.	1-1
	304	<i>Rosa roxburghii</i> Tratt.	20-3
	305	<i>Sanguisorba minor</i> Scop.	14-33
Rubiaceae	306	<i>Rubia tinctorum</i> L.	9-13
Rutaceae	307	<i>Haplophyllum acutifolium</i> (DC.) G.Don	14-17
	308	<i>Ruta graveolens</i> L.	20-3
Sapindaceae	309	<i>Acer negundo</i> L.	20-3
	310	<i>Acer velutinum</i> Boiss.	20-3
	311	<i>Acer tataricum</i> subsp. <i>ginnala</i> (Maxim.) Westm.	20-3
	312	<i>Koelreuteria paniculata</i> Laxm.	20-3

	313	<i>Xanthoceras sorbifolium</i> Bunge.	20-3
Saxifragaceae	314	<i>Saxifraga cartilaginea</i> Willd.	9-3
Scrophulariaceae	315	<i>Misopates orontium</i> (L.) Raf.	20-3
	316	<i>Scrophularia frigida</i> Boiss.	20-3
	317	<i>Scrophularia striata</i> Boiss.	1-4
	318	<i>Verbascum agrimoniifolium</i> (K.Koch) Hub. -Mor.	20-3
	319	<i>Verbascum cheiranthifolium</i> Boiss	12-5
	320	<i>Verbascum sinuatum</i> L.	20-3
	321	<i>Verbascum virgatum</i> Stokes	20-3
	322	<i>Veronica spicata</i> L.	20-3
Solanaceae	323	<i>Hyoscyamus niger</i> L.	14-18
	324	<i>Hyoscyamus niger</i> L.	14-24
	325	<i>Hyoscyamus niger</i> L.	20-3
	326	<i>Hyoscyamus reticulatus</i> L.	12-5
Tamaricaceae	327	<i>Reaumuria alternifolia</i> (Labill.) Britten	15-2
	328	<i>Reaumuria alternifolia</i> (Labill.) Britten	20-3
Verbenaceae	329	<i>Verbena stricta</i> Vent.	20-3
Zygophyllaceae	330	<i>Zygophyllum atriplicoides</i> Fisch. & C.A.Mey.	17-1
	331	<i>Zygophyllum atriplicoides</i> Fisch. & C.A.Mey.	1-14



Seed Collection Sites:

- 1-1 Alborz; Karaj- Chalous road, after Nesa, 2240 m, N 36°05′.20″; E 051°18′.49″.
- 1-2 Alborz; Karaj- Chalous road, after Pol-e Khab, 1870-1900 m, N 36°01′.45″; E 051°09′.12″.
- 1-3 Alborz; Karaj- Chalous road, Kojur, 1638 m, N 36°22′.29.93″; E 51°39′.30.45″.
- 1-4 Alborz; Karaj-Chalous road, Kondor village, 1850 m, N 35°50′28″; E 51°06′05″.
- 1-5 Alborz; Karaj-Chalous road, Purkan, 1620–1700 m, N 35°53′49″; E 51°02′46″.
- 1-6 Alborz; Karaj-Chalous road, to Shahrestanak, 2250 m, N 35°58′42″; E 51°20′12″.
- 1-7 Alborz; Karaj–Chalous road, Asara, 1801 m, N 36°00′54.7″; E 51°08′40.6″.
- 1-8 Alborz; Karaj, M. Dashteh, 2403 m, N 35°47′41.6″; E 51°05′43.6″.
- 1-9 Alborz; Karaj, M. Dashteh, 1928 m, N 35°46′47.39″; E 51°06′14.45″.
- 1-10 Alborz; Kordan to Baraghan, 1750 m, N 35°59′36″; E 50°54′52″.
- 1-11 Alborz; Karaj–Chalous road, after Nesa, 2200 m, N 36°06′11.6″; E 51°18′56.8″.
- 1-12 Alborz; Karaj–Chalous road, Azadbar village, 2477 m, N 36°08′16.3″; E 51°14′25.2″.
- 1-13 Alborz; Karaj–Chalous road, 1 km after Nesa to Gachsar, 2179 m, N 36°05′31.9″; E 51°18′52.3″.
- 1-14 Alborz; Karaj, salty desert around Eshtehard to Buin Zahra, 1150 m, N 35°49′17″; E 50°30′28″.
- 1-15 Alborz; Taleqan, 2200 m, N 36°06′58.1″; E 50°39′25.5″.
- 2-1 East Azerbaijan; Tabriz to Maragheh, Solouk village, 1716 m, N 37°32′49.4″; E 46°50′44.4″.
- 2-2 East Azerbaijan; 80 km from Kalibar to Tabriz, 1733 m, N 38°47′32.4″; E 47°03′57.8″.
- 3-1 Fars; Firuzabad, Farashband to Kazeroun road, 770 m, N 28°49′31.0″; E 52°06′50.8″.

- 4-1 Golestan; Kalaleh, 700 m, N 37°78'93.6"; E 55°88'40"
- 5-1 Hamedan; Qorveh road, near Vey Nesar, 1860 m, N 35°00'39"; E 48°04'55".
- 5-2 Hamedan; Qorveh road, 17 km to Qorveh , after Saleh Abad, 1750 m, N 34°54'00"; E 48°23'58".
- 5-3 Hamedan; Maryanj, Alvand higher altitudes, 2300–2400 m, N 34°47'43"; E 48°04'55".
- 6-1 Hormozgan; Qeshm Island, Namak Cave, 149 m, N 26.654855; E 55.460626
- 7-1 Ilam; Ivan, Emamzadeh Abdollah, 1370–1400 m, N 33°46'25.1"; E 46°19'21.7
- 8-1 Kerman; Kiyanshah to Zarand, 33 km from Kiyanshah, 2248 m, N 31°02'28.0"; E 56°33'31.1".
- 8-2 Kerman; Rafsanjan to Zarand, 2125 m, N 30°36'35.9"; E 56°14'23.5".
- 9-1 Kermanshah; Dalahu, Gahvareh, Tutshami, 1595 m, N 34°21'43"; E 46°20'25".
- 9-2 Kermanshah; Paveh to Javanrud, 1700 m, N 34°53'07"; E 46°31'50".
- 9-3 Kermanshah; Paveh to Javanrud, 2370 m, N 34°51'38"; E 48°10'18".
- 9-4 Kermanshah; Sonqor, Agha-e Olya village, 1650 m, N 34°53'58"; E 47°22'47".
- 9-5 Kermanshah; Sonqor, Samanban village, 1680 m, N 34°54'49"; E 47°17'52".
- 9-6 Kermanshah; Sonqor, after Kalsefid village, 1720 m, N 34°51'46"; E 47°22'29".
- 9-7 Kermanshah; Sonqor, Samanban village, 1610 m, N 34°54'32"; E 47°17'48".
- 9-8 Kermanshah; Sonqor to Kamyaran, Kashkamir Pass, 2000 m, N 34°51'25"; E 47°08'59".
- 9-9 Kermanshah; Sonqor to Kamyaran, 1723 m, N 34°51'45"; E 47°22'28".
- 9-10 Kermanshah; Sonqor to Kamyaran, 60 Km Kyunanat, 2100 m, N 34°48'07.9"; E 47°02'09.1".
- 9-11 Kermanshah; Sonqor to Kamyaran, Qeshlaq, 2100–2200 m, N 34°51'25"; E 47°12'13".
- 9-12 Kermanshah; Sonqor, Cheshmeh Gilan village, 1838 m, N 34°52'48"; E 47°19'03".
- 9-13 Kermanshah; Sonqor, Moolan Abad village, 1728 m, N 34°51'30"; E 47°22'16".
- 10-1 Kordestan; Dehgolan, 60 Km to Dehgolan , 1600 m, N 34°50'31"; E 46°56'47".
- 10-2 Kordestan; Dehgolan, Ban-lilakh heights, 1830 m, N 35°03'36"; E 47°07'02".
- 10-3 Kordestan; Kamyaran to Sanandaj, 1790–1800 m, N 34°53'31.2"; E 46°56'57.3".
- 10-4 Kordestan; Kamyaran, after Shirvaneh village, 1826 m, N 34°47'08"; E 47°04'57.4".
- 10-5 Kordestan; Sanandaj, Abidar, 1730–1800 m, N 35°18'35"; E 46°58'11".
- 10-6 Kordestan; Sanandaj to Kamyaran, 60 km, 1600 m, N 34°50'31"; E 46°56'47".
- 10-7 Kordestan; Sanandaj to Kamyaran, Khamesan village, 1620 m, N 34°58'44"; E 47°02'20".
- 11-1 Lorestan; Aleshtar, 1700 m, N 33°51'50.3604"; E 48°15'51.2604".
- 11-2 Lorestan; Doroud to Azna road, 25 Km, 1922 m, N 35°25'48.2"; E 48°54'31.5".
- 11-3 Lorestan; Doroud to M. Oshtorankouh, northern slope mountain, Tiun village, 2212 m, N 33°25'63.6"; E 48°52'07.6".
- 11-4 Lorestan; Khoramabad, Bisheh, between Chenar village and Cheshmeh Pariyan village, 1634 m, N 33°27'84.6"; E 48°22'46.8".
- 12-1 Mazandaran; between Gij & Zanus, above Emamzadeh, 1300–1400 m.
- 12-2 Mazandaran; Chalous road, Pole Khab, 1955 m, N 36°00'43.6"; E 51°08'48.9".
- 12-3 Mazandaran; Noushahr, Kojur, Zanus Valley, 600 m, N 36°30'06.6"; E 51°52'08.5".
- 12-4 Mazandaran; Pol-e Zanguleh to Yush, 2600–2700 m, N 36°13'47"; E 51°24'09".
- 12-5 Mazandaran; Siah Bisheh to Marzanabad, 2350 m, N 36°15'27"; E 51°17'35".
- 12-6 Mazandaran; Yush to Baladeh, 2041 m, N 36°12'05"; E 51°48'30".
- 13-1 North Khorasan; Bojnurd, 1137 m, N 37°05'37.42"; E 56°57'08.0".
- 13-2 North Khorasan; Bojnurd, Charkharvar village, 1070 m, N 33°29'31"; E 57°17'53".
- 13-3 North Khorasan; Bojnurd, Sisab, 1300 m, N 37°25'11"; E 57°39'20".
- 14-1 Qazvin; Abgarm to Avaj, 1730 m, N 35°40'20"; E 49°13'00".
- 14-2 Qazvin; Abgarm to Sagharan and Arteshabad, 1670 m, N 35°42'40.6"; E 49°19'56.6".
- 14-3 Qazvin; above Zereshek village, 1950 m, N 36°25'41"; E 50°06'18".

- 14-4 Qazvin; Abyek to Karaj, 16 Km, 1267 m, N 36°00'27"; E 50°36'53".
- 14-5 Qazvin; Akujan, Razmian, 1200 m, N 36°35'56"; E 50°09'02".
- 14-6 Qazvin; Alamut, Hir village, 1700–2300 m, N 36°35'32"; E 50°14'57".
- 14-7 Qazvin; Alamut, Khashchal Mountain, 2640 m, N 36°29'50"; E 50°28'28".
- 14-8 Qazvin; Alamut, near Rajaei Dasht, 1204 m, N 36°27'57"; E 50°18'39".
- 14-9 Qazvin; Atan to Haniz, 1600 m, N 36°35'14"; E 50°14'38".
- 14-10 Qazvin; Avaj to Abgarm, 1710 m, N 35°40'51"; E 49°13'27".
- 14-11 Qazvin; Barajin village to Zereschk, 1500–1580 m, N 36°22'33"; E 50°04'20".
- 14-12 Qazvin; Buin Zahra, After Arasanj, 1600 m, N 35°39'55"; E 50°08'02".
- 14-13 Qazvin; Buin Zahra, After Arasanj, 1450 m, N 35°39'10"; E 50°04'37".
- 14-14 Qazvin; Daryabak, Barajin village, 2070 m, N 36°26'04"; E 50°07'06".
- 14-15 Qazvin; Ghasem Abad, after Radkan and Dakan, 1340 m, N 35°57'34"; E 49°31'59".
- 14-16 Qazvin; Markazi, Zitak Qeshlaq village, 1500 m, N 36°39'49"; E 49°44'10".
- 14-17 Qazvin; Qazvin to Abyek, between old road and highway, 1200 m, N 36°03'49"; E 50°23'15".
- 14-18 Qazvin; Qazvin to Abyek, Jazame village, 1360 m, N 36°06'42"; E 50°26'20".
- 14-19 Qazvin; Qazvin to Abyek, upper Jazame village, 1400 m, N 36°07'28"; E 50°28'47".
- 14-20 Qazvin; Qazvin to Abyek, Hajjiabad village, 1765 m, N 36°12'23"; E 50°25'40".
- 14-21 Qazvin; Qazvin to Alamut, 1100–2100 m, N 36°23'46"; E 50°13'18".
- 14-22 Qazvin; Avaj, 2300 m, N 35°32'07"; E 49°10'17".
- 14-23 Qazvin; Qazvin to Avaj, Cheshmeh Ali, 1555 m, N 35°39'48"; E 49°24'45".
- 14-24 Qazvin; Qazvin to Zereschk village road, Barjin village, 1560 m, N 36°21'17.6"; E 50°04'29.3".
- 14-25 Qazvin; Haniz to Sialan, 2280 m, N 36°28'28"; E 50°38'52".
- 14-26 Qazvin; Kohin Pass, 1510 m, N 36°21'30"; E 49°36'51".
- 14-27 Qazvin; Razmian road, 1100–1200 m, N 36°31'51"; E 50°09'39".
- 14-28 Qazvin; Takestan, Bashgol, 1600 m, N 36°07'43"; E 49°36'10".
- 14-29 Qazvin; Takestan, Bashgol, 1700 m, N 36°11'17"; E 49°37'15".
- 14-30 Qazvin; Takestan, Bashgol, 1960 m, N 36°08'57"; E 49°32'52".
- 14-31 Qazvin; Ziaraan to Taleqan, 1990–2210 m, N 36°47'11"; E 50°10'00".
- 14-32 Qazvin; Tarom-e Sofla District, Sirdan, 1225 m, N 36°39'20"; E 49°11'48".
- 14-33 Qazvin; Ziyaran to Taleqan, 2100–2120 m, N 36°06'56"; E 50°39'24".
- 14-34 Qazvin; Zereschk to Telesiege, 2290 m, N 36°27'22"; E 50°07'18".
- 14-35 Qazvin; Zereschk village, 2110 m, N 36°26'43"; E 50°06'49".
- 15-1 Qom; Kahak, Vashnoh region, 8 km a Vashnoh to Qom, 1936 m, N 34°27'01.6773"; E 51°00'10.5147".
- 15-2 Qom; near Salt Lake, 810 m, N 35°03'53"; E 50°56'22".
- 15-3 Qom; near Salt Lake, 860 m, N 34°55'05"; E 50°53'51".
- 15-4 Qom; Qom to Parandak, 1100–1200 m, N 35°15'27"; E 50°58'58".
- 15-5 Qom; southwest of Namak Lake, 830 m, N 34°54'50"; E 50°57'36".
- 16-1 Razavi Khorasan; 12 km Ferdows to Boshruyeh, 1100 m, N 33°35'09.9"; E 58°02'57.8".
- 17-1 Semnan; Garmsar, Bon-e Kuh, 1109 m, N 35°18'28"; E 52°26'25".
- 17-2 Semnan; Rudbarak, 2484 m, N 36°02'40"; E 53°36'16".
- 17-3 Semnan; Shahmirzad, Shahmirzad to Foulad Mahalleh, 2195 m, N 35°49'37"; E 53°25'13".
- 17-4 Semnan; Shahrood, Khoshyeylaq, 1250 m, N 37°29'51"; E 56°21'42".
- 18-1 Sistan & Baluchestan; 130 km Bampur to Nikshahr, Tang-e Sarhe, 1137 m, N 26°29'46.8"; E 59°57'55.9".
- 18-2 Sistan & Baluchestan; Iranshahr to Khash, 105 km to Khash, 840 m, N 27°32'32.6"; E 60°48'14.7".
- 19-1 South Khorasan; Boshruyeh to Ferdus, 1060 m, N 33°34'34"; E 52°43'48".

- 19-2 South Khorasan; Bamroud, 1328 m, N 33°44'10"; E 56°23'20".
- 19-3 South Khorasan; Boshrouyeh, between Esfak & Deh-e Mohammad, 1211 m, N 34°00'30"; E 57°09'49".
- 19-4 South Khorasan; Nehbandan to Chahdashi, 1099 m, N 32°29'51"; E 59°49'58".
- 20-1 Tehran; Damavand, Tar lake from havir, 2585 m, N 35°42'53.3"; E 52°17'59.5".
- 20-2 Tehran; Tehran to Karaj, just after Metro station, 1285 m, N 35°45'08.9"; E 51°04'41.0".
- 20-3 Tehran; National Botanical Garden of Iran, 1320 m, N 35°44'25.1"; E 51°10'24.2".
- 21-1 West Azerbaijan; Salmas to Abgarm, Khan Takhti village, 1445 m, N 37°32'49.4"; E 45°07'07.3".
- 21-2 West Azerbaijan; Urumieh, Zeve, 1500 m, N 37°15'06.1"; E 44°54'16.1".
- 22-1 Yazd; Research Department of Desert Plant of Sadooghi, 1261 m, N 31°49'46.98"; E 54°21'54.73".
- 22-2 Yazd; Taft to Deh Bala, 3 km after Taft, 1560 m, N 31°43'39.1"; E 54°12'53.8".



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