



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

**INDEX
SEMINUM
2017-2018
NATIONAL BOTANICAL GARDEN OF IRAN**



A view of National Botanical Garden of Iran

**INDEX
SEMINUM
2017-2018**

**NATIONAL BOTANICAL GARDEN OF IRAN
(NBGI)**

Please use the enclosed form for your order

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NATIONAL BOTANICAL GARDEN OF IRAN

The garden was founded in 1968. An area of about 150 hectares was allocated to the garden where is situated by the freeway between Tehran and Karaj at an altitude of about 1320 m .

The area is flat and slopes gently to the south. The Albourz Mountains form the background. The climate is dry with an average annual precipitation of about 240 mm falling between November and May. Temperature reaches as much as 42 – 43° C during July and August. During winter the temperature may fall to –10° C or lower. The natural vegetation of the area is dry *Artemisia sieberi* steppe .

The garden includes 22 different collections representing Iranian and exotic habitats and vegetation types .

Six lakes have been excavated, and filled with water. Three hills (the highest reaching 19 m), have been built up to represent the Albourz and Zagros Mountains, (the largest mountain chains of Iran) and Himalaya Mountain. A large rock garden with cliff walls and a waterfall has been completed as well as a special section for Iranian bulbous plants. The Horticultural Display Area has been established and planted mainly with exotic species.

Hyrcanian Forest habitat (8 hectares) and Zagros Oak Forest habitat (2.9 hectares) are well established in garden.

Another cliff wall with waterfall has been built up in Albourz Section. Furthermore a wetland area has been designed and cultivated in this section.

A river about 1 km long circulating between Caspian Lake and Reservoir Lake has been constructed. Another river runs from Albourz Waterfall into the Caspian Lake.

A section for desert plants with sand dunes, a salt lake and a wadi have been constructed .

Medicinal Plants section has been planted with native and exotic medicinal, aromatic and industrial plant species .

The fruit garden is planted using different native fruit cultivars .

Hills representing Himalaya Mountains have been constructed and partly planted .

The systematic area also has been constructed, designed according to Cronquist's system and planted according to plant families order.

The forest and walkway with some pavilions and other facilities have been prepared .

The Japanese and Chinese gardens are parts of the garden which have been completed in an area about 2.5 hectares .

Arboretum is a new section in the garden which has been established in an area of 15 hectares. The path ways and a lake of about one hectare have been constructed. The native trees and shrubs of Iran as well as exotic species are being planted in this part of the garden .

The Europe, America, Broad Leaf Evergreens, Caucasus Sections and the central part of the garden representing a Persian Garden Design and rose garden have been established .

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

The Garden is open to the public and many social events including educational programs are running for students and NGO organizations.

Acanthaceae

1 *Acanthus dioscoridis* L. 4-3*

Adoxaceae

2 *Sambucus nigra* L. 4-1*

Alliaceae

3 *Allium hirtifolium* Boiss. 3-2*

4 *Allium scabriscapum* Boiss. 10-4*

Anacardiaceae

5 *Pistacia atlantica* subsp. *mutica* (Fisch. & C. A. Mey.) Rech. f. 3-3*

Apiaceae

5 *Ammi visnaga* (L.) Lam. 10-6*

6 *Angelica urumiensis* Mozaff. 4-3*

7 *Apium graveolens* L.

8 *Bilacunaria microcarpa* (M. Bieb.) Pimenov & V.N. Tikhom. 10-5

9 *Bunium paucifolium* DC. 10-4*

10 *Cervaria cervariifolia* (C.A. Mey.) M. Pimen.

11 *Chaerophyllum macrospermum* (Willd. ex Schult.) Fisch. & C.A. Mey. 10-2*

12 *Chaerophyllum macrospermum* (Willd. ex Schult.) Fisch. & C.A. Mey. 4-3

13 *Conium maculatum* L. 3-6*

14 *Echinophora sibthorpiana* Guss. 3-6*

15 *Eryngium billardierei*. ex Boiss. 10-6*

16 *Ferula assa-foetida* L. 19-1

17 *Ferula galbaniflua* Boiss. & Buhse 10-2*

18 *Foeniculum vulgare* Mill. 10-6*

19 *Leutea petiolaris* (DC.) Pimenov. 10-1*

20	<i>Malabaila secacul</i> (Mill.) Boiss.	10-4*
21	<i>Physospermum cornubiense</i> (L.) DC	13-7
22	<i>Physospermum cornubiense</i> (L.) DC	10-4
23	<i>Prangos ferulacea</i> Lindl.	10-3*
24	<i>Prangos haussknechtii</i> Boiss.	10-1*
25	<i>Prangos latiloba</i> Korov.	10-3*
26	<i>Sium sisaroides</i> DC.	4-3*
27	<i>Zosima absinthifolia</i> Link	17-2
Apocynaceae		
28	<i>Nerium indicum</i> L.	14-5
Asclepiadaceae		
29	<i>Marsdenia</i> sp.	14-1
Asteraceae		
30	<i>Amberboa sosnovskyi</i> Iljin	10-4*
31	<i>Anthemis tinctoria</i> L.	10-6*
32	<i>Centaurea aucheri</i> (DC.) Wagenitz	7-3*
33	<i>Centaurea behen</i> L.	17-5
34	<i>Centaurea imperialis</i> Hausskn. Ex Bornm.	3-3*
35	<i>Cichorium intybus</i> L.	10-6*
36	<i>Cirsium echinus</i> (M. Bieb.) Sch.Bip.	4-2*
37	<i>Codonocephalum peacockeanum</i> Aitch. & Hemsl.	3-6*
38	<i>Cousinia amplissima</i> Boiss.	10-2*
39	<i>Echinops cephalotes</i> DC.	10-4
40	<i>Echinops koelzii</i> Rech. f.	10-2
41	<i>Eupatorium cannabinum</i> L.	10-6*
42	<i>Inula helenium</i> L.	3-4*
43	<i>Inula salicina</i> L.	4-1*
44	<i>Jurinea macrocephala</i> DC.	9-4*
45	<i>Jurinea macrocephala</i> DC.	1-8*
46	<i>Leontodon asperimus</i> (Willd.) Endl.	10-1*
47	<i>Picris strigosa</i> M. Bieb.	10-2*

48	<i>Pulicaria dysenterica</i> (L.) Bernh.	9-4*
49	<i>Santolina pinnata</i> Donn	10-6*
50	<i>Scorzonera tortuosissima</i> Boiss.	10-4*
51	<i>Scorzonera laciniata</i> L.	20-3
52	<i>Senecio mollis</i> Willd.	3-4*
53	<i>Serratula cerinthifolia</i> (Sm.) Boiss	3-2*
54	<i>Serratula coriacea</i> Fisch. & C.A. Mey. Ex. DC.	9-1*
55	<i>Serratula coriacea</i> Fisch. & C.A. Mey. ex. DC.	3-4*
56	<i>Tanacetum polycephalum</i> Sch.Bip.	9-5*
57	<i>Tanacetum polycephalum</i> Sch.Bip.	10-1*
58	<i>Tanacetum vulgare</i> L.	10-6*
59	<i>Zoegea purpurea</i> Fresen.	10-6*

Bignoniaceae

60	<i>Chilopsis linearis</i> (Cav.) Sweet	10-6*
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Boraginaceae

61	<i>Caccinia strigosa</i> Boiss.	10-3*
62	<i>Echium italicum</i> L.	17-4*
63	<i>Trachelanthus cerinthoides</i> Kunze	10-3*

Brassicaceae

64	<i>Aethionema grandiflorum</i> Boiss. & Hohen.	10-4*
65	<i>Aethionema grandiflorum</i> Boiss. & Hohen.	2-1*
66	<i>Didymophysa aucheri</i> Boiss.	10-3*
67	<i>Fibigia suffruticosa</i> (Vent.) Sweet	3-1*
68	<i>Isatis cappadocica</i> Desv.	9-4*
69	<i>Matthiola alyssifolia</i> (DC.) Bornm.	10-5*
70	<i>Matthiola ovatifolia</i> Boiss.	10-5*
71	<i>Pseudocamelina campylopoda</i> Bornm. & Gauba ex. Bornm.	10-4*
72	<i>Sisymbrium gaubae</i> Rech.f. & Bornm.	10-5*
73	<i>Thlaspi stenocarpum</i> (Boiss.) Hedge	10-1*

Capparaceae

- | | | |
|----|-----------------------------------|------|
| 74 | <i>Capparis parviflora</i> Boiss. | 10-6 |
| 75 | <i>Cleome iberica</i> DC. | 13-8 |

Caprifoliaceae

- | | | |
|----|---|-------|
| 76 | <i>Lonicera bracteolaris</i> Boiss. & Buhse | 15-1 |
| 77 | <i>Viburnum rhytidophylloides</i> Suringar | 10-6* |

Caryophyllaceae

- | | | |
|----|---|-------|
| 78 | <i>Acanthophyllum bracteatum</i> Boiss. | 10-4* |
| 79 | <i>Acanthophyllum sordidum</i> Bunge ex. Boiss. | 10-2* |
| 80 | <i>Arenaria polycnemifolia</i> Boiss. | 10-4* |
| 81 | <i>Silene caesarea</i> Boiss. & Bal. | 10-5* |
| 82 | <i>Silene meyeri</i> Fenzl ex. Boiss. & Buhse | 4-4* |

Chenopodiaceae

- | | | |
|----|--|------|
| 83 | <i>Chenopodium foliosum</i> Asch. | 13-5 |
| 84 | <i>Eurotia ceratoides</i> (L.) C.A. Mey. | 21-1 |
| 85 | <i>Halostachys caspica</i> C.A. Mey. | 5-2* |

Cornaceae

- | | | |
|----|-----------------------------------|------|
| 86 | <i>Cornus australis</i> C.A. Mey. | 8-3* |
|----|-----------------------------------|------|

Cucurbitaceae

- | | | |
|----|------------------------------|------|
| 87 | <i>Bryonia aspera</i> Steven | 3-2* |
|----|------------------------------|------|

Cupressaceae

- | | | |
|----|--------------------------------------|-------|
| 88 | <i>Juniperus excelsa</i> M. Bieb. | 5-3* |
| 89 | <i>Juniperus x media</i> pfitzeriana | 10-6* |
| 90 | <i>Cupressus sempervirens</i> L. | 5-6* |

Dipsacaceae

91	<i>Dipsacus sativus</i> Garsault.	10-6*
92	<i>Pterocephalus canus</i> Coult. ex. DC.	10-4*
93	<i>Pterocephalus canus</i> Coult. ex. DC.	7-1*
94	<i>Scabiosa argentea</i> L.	7-2*
Elaeagnaceae		
95	<i>Hippophae rhamnoides</i> L.	4-4*
Ephedraceae		
96	<i>Ephedra foliata</i> Boiss. Ex. C.A. Mey.	6-1*
97	<i>Ephedra major</i> Host.	8-5*
98	<i>Ephedra sarcocarpa</i> Aitch. & Hemsl.	13-1
Euphorbiaceae		
99	<i>Euphorbia boissieriana</i> (Woronow) Prokh.	10-5*
100	<i>Euphorbia buhsei</i> Boiss.	10-4*
101	<i>Euphorbia macroclada</i> Boiss.	4-3*
Fabaceae		
102	<i>Albizia julibrissin</i> Durazz.	5-4*
103	<i>Astragalus alopecuroides</i> L.	4-4*
104	<i>Astragalus caraganae</i> Hohen	10-1*
105	<i>Astragalus chrysostachys</i> Boiss.	10-4*
106	<i>Astragalus microcephalus</i> Willd.	17-3
107	<i>Astragalus podolobus</i> Boiss. & Hohen.	10-3*
108	<i>Astragalus remotijugus</i> Boiss. & Hohen.	10-4*
109	<i>Ceratonia siliqua</i> L.	5-4*
110	<i>Cercis siliquastrum</i> L.	10-6*
111	<i>Colutea buhsei</i> (Boiss.) Shapar	10-4
112	<i>Glycyrrhiza glabra</i> L.	17-6
113	<i>Glycyrrhiza glabra</i> var. <i>glandulifera</i> (Waldst. & Kit.) Galushko	9-3*
114	<i>Halimodendron halodendron</i> (Pall.) Druce.	13-10
115	<i>Melilotus albus</i> Medik.	10-4*
116	<i>Oreophysa triphylla</i> (Bunge ex. Boiss.) Bornm.	1-8*

117	<i>Sophora japonica</i> L.	10-6
118	<i>Trigonella elliptica</i> Boiss.	21-1
119	<i>Vicia ciceroidea</i> Boiss.	10-1*
Frankeniaceae		
120	<i>Frankenia hirsuta</i> L.	3-4*
Geraniaceae		
121	<i>Biebersteinia multifida</i> DC.	21-1
Hydrangeaceae		
122	<i>Philadelphus coronarius</i> L.	10-6*
Hypericaceae		
123	<i>Hypericum scabrum</i> L.	9-4*
124	<i>Hypericum scabrum</i> L.	7-3*
125	<i>Hypericum scabrum</i> L.	7-1*
Lamiaceae		
126	<i>Eremostachys laevigata</i> Bunge.	6-4*
127	<i>Marrubium vulgare</i> L.	10-6
128	<i>Phlomis olivieri</i> Benth.	1-7*
129	<i>Phlomis olivieri</i> Benth.	7-3*
130	<i>Phlomis olivieri</i> Benth.	7-2*
131	<i>Salvia aethiopsis</i> L.	10-6
132	<i>Salvia cadmica</i> Boiss.	10-6
133	<i>Salvia coccinea</i> Juss. ex. Murray.	10-6
134	<i>Salvia kopetdaghensis</i> Kudr.	10-6
135	<i>Salvia napifolia</i> Jacq.	10-6
136	<i>Salvia nemorosa</i> L.	10-6
137	<i>Salvia officinalis</i> L.	10-6
138	<i>Salvia pratensis</i> L.	10-6
139	<i>Salvia scabiosifolia</i> Lam.	10-6
140	<i>Salvia verticillata</i> L.	10-6
141	<i>Salvia virgata</i> Aiton	10-6
142	<i>Salvia viridis</i> L.	10-6

143	<i>Stachys spectabilis</i> Choisy ex. DC.	10-5*
144	<i>Teucrium orientale</i> L.	4-5*
145	<i>Teucrium polium</i> L.	13-9
146	<i>Teucrium polium</i> L.	7-1*
147	<i>Thymus kotschyanus</i> Boiss. & Hohen.	1-5*
148	<i>Thymus kotschyanus</i> Boiss. & Hohen.	1-7*
Liliaceae		
149	<i>Allium akaka</i> Gmel.	20-4
150	<i>Muscari longipes</i> Boiss.	3-2*
151	<i>Tulipa biflora</i> Pall.	21-1
Magnoliaceae		
152	<i>Liriodendron tulipifera</i> L.	10-6*
153	<i>Magnolia grandiflora</i> L.	10-6
Malvaceae		
154	<i>Alcea sulphurea</i> Alef.	1-8*
Martyinaceae		
155	<i>Proboscidea fragrans</i> Decne.	10-6
Meliaceae		
156	<i>Melia azedarach</i> L.	10-6*
Mimosaceae		
157	<i>Acacia salicina</i> Lindl.	5-4*
158	<i>Acacia victoriae</i> Benth.	5-5*
159	<i>Prosopis juliflora</i> (Swartz) DC.	5-4*
160	<i>Prosopis farcta</i> Macbr.	5-4*
Moraceae		
161	<i>Ficus carica</i> L.	10-6
Myrtaceae		
162	<i>Myrtus communis</i> L.	12-2

Oleaceae

- 163 *Fraxinus velutina* Torr. 10-6*
164 *Ligustrum vulgare* L. 10-6*

Papaveraceae

- 165 *Argemone mexicana* L. 10-6*
166 *Papaver fugax* Poir. 3-5*

Plumbaginaceae

- 167 *Armeria maritima* (Mill.) Willd. 10-6*
168 *Limonium dodartii* Kuntze 10-6*

Poaceae

- 169 *Aeluropus littoralis* (Gouan) Parl. 3-4*
170 *Briza maxima* L. 10-6
171 *Festuca arundinacea* Schreb. 10-6*
172 *Koeleria pyramidata* P. Beauv. 10-6*

Polygonaceae

- 173 *Atraphaxis spinosa* L. 21-2
174 *Pteropyrum aucheri* Jaub. & Spach 13-3
175 *Rheum ribes* L. 21-1
176 *Rumex chalepensis* Mill. 3-1*

Ranunculaceae

- 177 *Anemone multifida* Poir 10-6
178 *Clematis orientalis* L. 1-5*
179 *Delphinium lasiantherum* W.T. Wang 10-2*

Resedaceae

- 180 *Reseda lutea* L. 20-1

Rhamnaceae

- 181 *Rhamnus pallasii* Fisch. C.A. Mey. subsp. 16-1

	<i>sintenssii</i> (Rech.f.) Browicz & Ziel.	
182	<i>Ziziphus spina-christi</i> (L.) Willd.	14-2
183	<i>Ziziphus nummularia</i> (Burm.f.) Wight & Arn.	14-3
184	<i>Ziziphus nummularia</i> (Burm.f.) Wight & Arn.	5-8*
Rosaceae		
185	<i>Agrimonia eupatoria</i> L.	10-6*
186	<i>Agrimonia eupatoria</i> L.	3-6*
187	<i>Amygdalus lycioides</i> Spach	10-6
188	<i>Amygdalus scoparia</i> Spach.	10-6
189	<i>Cerasus incana</i> Boiss.	10-2*
190	<i>Cotoneaster morulus</i> Pojark.	10-6*
191	<i>Cotoneaster morulus</i> Pojark.	17-1
192	<i>Cotoneaster nummularius</i> Fisch. & C.A. Mey.	13-6
193	<i>Cotoneaster nummularius</i> Fisch. & C.A.Mey.	1-7*
194	<i>Crataegus azarolus</i> L.	1-6*
195	<i>Crataegus meyeri</i> Pojark.	1-6*
196	<i>Crataegus oxyacantha</i> L.	10-6*
197	<i>Crataegus pontica</i> K. Koch	1-4*
198	<i>Crataegus pseudoheterophylla</i> Pojark.	1-6*
199	<i>Crataegus</i> sp.	18-1*
200	<i>Malus orientalis</i> Uglitzk.	10-2*
201	<i>Mespilus germanica</i> L.	6-2*
202	<i>Rosa canina</i> L.	18-2
203	<i>Rosa elymaitica</i> Boiss. & hausskn. ex. Boiss.	12-1
Rubiaceae		
204	<i>Rubia</i> sp.	14-4
Rutaceae		
205	<i>Ruta graveolens</i> L.	10-6*
Scrophulariaceae		
206	<i>Paulownia tomentosa</i> (Thunb.) Steud.	10-6*
207	<i>Scrophularia striata</i> Boiss.	9-6*

208	<i>Scrophularia striata</i> Boiss.	20-2
Sterculiaceae		
209	<i>Firmiana simplex</i> W. Wight.	10-6*
Tamaricaceae		
210	<i>Myricaria germanica</i> Desv.	1-5*
211	<i>Reaumuria alternifolia</i> Britten	10-2*
Thymelaeaceae		
212	<i>Dendrostellera lessertii</i> Tiegh.	10-4*
Ulmaceae		
213	<i>Celtis australis</i> L.	10-6*
214	<i>Celtis tournefortii</i> Lam.	5-1*
Verbenaceae		
215	<i>Verbena hispida</i> Ruiz & Pav.	10-6*
216	<i>Vitex pseudonegundo</i> (Hausskn.) Hand-Mazz.	13-2
Zygophyllaceae		
217	<i>Zygophyllum eurypterum</i> Boiss. & Buhse	21-1

Seed Collection Sites:

- 1-1. Alborz, Chalous road Km 30, Kandovan, 1597 m. N
35°.55'.423", E 051°.03'.243"
 - 1-2. Alborz, Chalous road, After sky resort Dizin, 2820-2900 m. N
36°.02'.734", E 051°.25'.334 "
 - 1-3. Alborz, Chalous road, Dizin to Shemshak, 2340 m. N
36°.05'.781", E 051°.21'.582 "
 - 1-4. Alborz, Pol-e Zangule to Yush, 2420 m. N 36°.11'.868", E
051°.20'.506"
 - 1-5. Alborz. Shahrestanak. 2120 m. N 35°.59'.655", E 51°.18'.645 "
 - 1-6. Alborz. Chalous road, Arange Village, 1840 m. N 35°.55'.401",
E 051°.04'.370"
 - 1-7. Alborz, Chalous road, Sirachal, 1910 m. N 36°.01'.285", E
051°.09'.495"
-
- 2-1. Ardabil, Khalkhal to Hashtgin, 1630 m. N 37°.26'.827", E
48°.23'.544 "
-
- 3-1. Azarbaijan, Western Azerbaijan, Urumiyeh road to Oshnavieh,
Ghassemlou valley forest reserve, 1348-1365 m. N 37°.21'.086", E
45°.09'.126"
 - 3-2. West Azerbaijan, Urumiyeh road to Oshnavieh, Ghasemlou
valley, 1650-1800 m. N 37°.13'.210", E 45°.07'.073"
 - 3-3. West Azerbaijan, Aghbolagh to Oshnavieh, 1712 m. N
37°.11'.119", E 45°.07'.599"
 - 3-4. West Azerbaijan, Salmas to Abgarm, Khan Takhti village, 1445
m. N 37°.32'.494", E 45°.07'.073"

3-5. West Azerbaijan, Rajan, Khalilkouh, 3100 m. N 37°.21'.489", E 44°.48'.319"

3-6. West Azerbaijan, Urumieh, Zeve, 1500 m. N 37°.15'.061", E 44°.54'.161"

4-1. East Azarbaijan, Maraghe, Cheken Village, 1707 m. N 37°.23'.492", E 46°.43'.404"

4-2. East Azarbaijan, Marand to Tabriz, Tariyamishou, 1823 m. N 38°.20'.174", E 45°.47'.549"

4-3. East Azarbaijan, Tabriz to Maraghe, Solouk Village, 1716 m. N 37°.32'.494", E 46°.50'.444"

4-4. East Azarbaijan, Khoy, Ghotour valley, 1586 m. N 38°.27'.150", E 44°.39'.279"

4-5. East Azarbaijan, Tabriz. 80 km. from Kalibar to Tabriz, 1733 m. N 38°.47'.324", E 47°.03'.578"

5-1. Fars, Road of Shiraz to Abadeh, 2000 m. N 30°.04'.504", E 53°.09'.574"

5-2. Fars, Estahbanat, road of Kherameh to Khir, 1550 m. N 29°.09'.484", E 53°.42'.571"

5-3. Fars, Road of Estahbanat to Eij, 2000 m. N 29°.03'.519", E 54°.11'.375"

5-4. Fars, Firuzabad, road of Farashband to Kazeroun, 770 m. N 28°.49'.310", E 52°.06'.508"

5-5. Fars, Shiraz, Road of Shiraz to Fasa, 1800 m. N 29°06′.085″, E 52°57′.364″

5-6. Fars, Firouzabad, near Kherkheh Village, 1510 m. N 28°53′.304″, E 52°22′.327″

5-7. Fars, Shiraz, Road of Shiraz to Sarvestan, Seifabd Village, 1600 m. N 29°16′.465″, E 52°53′.340″

5-8. Faras, Mamasani, in Jihad Keshavarzi Garden, 930 m. N 30°18′.495″, E 51°22′.430″

6-1. Gilan, Road of Loshan to Tarom Sofla, 323 m. N 36°38′.350″, E 49°27′.286″

6-2. Gilan, Siahkhal, near Sangar dam, 38 m. N 37°09′.395″, E 49°52′.348″

7-1. Ghazvin. Abgarm to Sagharan and Arteshabad, 1670 m. N 35°42′.406″, E 49°19′.566″

7-2. Ghazvin. First Alamuot Pass to Rejaeidasht, 1965-2000 m. N 30°21′.555″, E 50°11′.541″

7-3. Ghazvin. Alamuot Pass, 2160-2200 m. N 36°22′.278″, E 50°12′.258″

8-1. Kordestan, Kamyaran to Sanandaj, 1399-1550 m. N 34°50′.288″, E 46°59′.635″

8-2. Kordestan, Marivan to Pave, Valley Dezli, 1776 m. N 35°22′.538″, E 46°12′.489″

8-3. Kordestan, Baneh, Belke Village, 1670m. N 35°.53'.556", E 45°.48'.169"

8-4. Kordestan, Marivan, Kani Sanan Village, 1300 m. N 35°.25'.580", E 46°.13'.515 "

8-5. Kordestn, Bijar, 1650 m. N 35°.54'.007", E 47°.20'.372"

9-1. Kermanshah, Songhor to Kamyaran, km 60 Kyunanat, 2100 m. N 34°.48'.079", E 47°.02'.910"

9-2. Kermanshah to Bisotoun and Songhor, Prau Mount, 1400 m. N 34°.32'.714", E 047°.24'.009"

9-3. Kermanshah. Kamyaran, after Shirvane Village, 1826 m. N 34°.47'.08", E 47°.04'.574"

9-4. Kermanshah. Kamyaran to Sanandaj, 1790-1800 m. N 34°.53'.312", E 46°.56'.573"

9-5. Kermanshah. Songhor to Kamyaran, Km 60, Kahelabad village, 2070-2100 m. N 34°.48'.011", E 47°.13'.114"

10-1. Tehran, Damavand, Tar lake.2912 m. N 35°.44'.058", E 52°.13'.313"

10-2. Tehran, Damavand, Mountain, Daliran, 2250 m. N 35°.53'.211", E 52°.06'.135"

10-3. Tehran, Damavand, Tar lake from hover, 2585 m. N 35°.42'.533", E 52°.17'.595"

10-4. Tehran, Damavand, Kilan, Tamison, 1800 m. N 35°.33'.527", E 52°.10'.598"

10-5. Tehran, Road from Imamzadeh Davood to Talon. 2268 m. N
35°.54'.080", E 51°.17'.545"

10-6. Tehran. National Botanical Garden of Iran. 1320 m. N.
35°.44'.251", E 51°.10'.242"

11-1. Azarbayjan, Western Azerbaijan, Khoy, between Ghotoor &
Abegarm.

11-2. Azarbayjan, Western Azerbaijan, Orumiyeh, Marmisho,
1663m.

12-1. Chahar mahal va bakhtiyari, Rig Mountain.

12-2. Chaharmahal va bakhtiyari, Maadan Village. 2584 m. N
32°.31'.025", E 50°.12'.25."

13-1. Esfahan, Aran and Bidgol, Khotbshekan Village, 940 m. N
34°.13'.12", E 051°.33'.19"

13-2. Esfahan, Aran and Bidgol, Yakh Aab Mountains, 1280 m. N
34°.01'.46", E 052°.02'.24"

13-3. Esfahan, Kashan, Qamsar, 1760 m. N 34°.45'.04", E
051°.18'.24"

13-4. Esfahan, Kashan, Qamsar, 1950 m. N 33°.04'.61", E
051°.25'.52"

13-5. Esfahan, Kashan, Rahaq, 1800 m. N 34°.09'.49", E
050°.57'.68"

13-6. Esfahan, Kashan, Shahsavaran Road, 1860 m. N 33°.42'.57",
E 051°.30'.22."

13-7. Esfahan, Qamsar, Jonian, 1920 m. N 33°.41'.58", E 051°.27'.23"

13-8. Esfahan, Qamsar, Qahrud road, 2100 m. N 33°.45'.05", E 051°.28'.30"

13-9. Esfahan, Rahaq, 1760 m. N 34°.09'.31", E 050°.58'.36"

13-10. Esfahan. Kashan, Jonian, 1900 m. N 33°.41'.58", E 051°.03'.243"

14-1. Fars, Firouzabad, Meimand, 8 km after Parezeitun to Poshtpar, N slope of Kuh-e Sour, 1450 m.

14-2. Fars, Kazeroun, Tang-chogan, 780 m.

14-3. Fars, Mamassani, in Jahad keshavarzi garden. 930 m.

14-4. Fars, Shiraz, Road of Shiraz to Fasa, Mianjangal station, 1800 m.

14-5. Fars, Shiraz, road of Shiraz to Sarvestan, before Kooohenjan, Seifabad village, 1600 m

15-1. Gilan, Rezvanshahr, Pargam, Shafarood zone. 900 m.

16-1. Golestan, Golestan Park. 1670 m.

17-1. Kermanshah, Dalahu, Gahvareh, Tutshami, 1595 m, N 34°.21'.43", E 046°.20'.25."

17-2. Kermanshah, Kerend to Dalahu Road, 1736 m

17-3. Kermanshah, Novva kuh, 2400 m. N 38°.19'.8.4", E 046°.06'.22.1"

17-4. Kermanshah, Rijab, Abudojaneh shrine, 1003 m. N
34°.22'.41.1", E 046°.03'.37.9"

17-5. Kermanshah, Zardeh village, Babayadegar, close to shrine
Babayadegar, 1390 m. N 34°.23'.52.4", E 045°.58'.14.6"

17-6. Kermanshah, Ravansar to Nafteh, in altitudes close to Ovais
Qarani shrine, 1413 m .

18-1. Kordestan, Baneh, Shoi village, 1580 m.

18-2. Kordestan, Baneh, shrine of Savan village, 1600 m.

19-1. Markazi, Khomein, Bufian village, 2460 m. N 33°.52'.18", E
049°.50'.56."

20-1. Qom, Kahak, Vashnoh region, 2096 m. N 35°.23'.616179", E
051°.00'.001482"

20-2. Qom, Kahak, Vashnoh region, 2101 m. N 34°.23'.651186", E
050°.99'.88868."

20-3. Qom, Kahak, Vashnoh region, 8 km a Vashnoh to Qom, 1936
m. N 34°.27'.016773", E 051°.00'.105147"

20-4. Qom, Salafchegan, km 3 Salafchegan to Qom road, 1354 m. N
34°.41'.866785", E 050°.49'.376601."

21-1. Yazd, Bafq.



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