

Collection in Qatar 1998-2004





Plate 1 Qatar - *Acacia ehrenbergiana*

Genus: *Acacia* **Family:** Leguminosae
Species: *ehrenbergiana*
Local name: Salam
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Jeryan Al Batna
Latitude: N35 00 87 **Longitude:** E17 37 12
Vegetation district zone: Southern Inland Zone
Ecological site & plant communities: Plant communities of depressions of deep silty clay loam soils: These depressions are usually called "Rawdat" in Qatar
Dominant species: The plant community consists mainly of: *Acacia tortilis*, *Acacia ehrenbergia*, *Ziziphus nummularia* trees and *Lycium shawii* shrubs, other species include *Avena javanica*, *Anastatica hierochuntica*, *Cassia italica*, *Citrullus colocynthis* and many others.
Soil texture: Deep silty clay loam
Depth: 50-150 cm deep



Plate 2 Qatar - *Acacia tortilis* community

Genus: *Acacia* **Family:** Leguminosae
Species: *tortilis*
Local name: Samar
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Al Ghuwairiya
Latitude: N45 62 48 **Longitude:** E20 47 91
Vegetation district zone: Northern Inland Zone
Ecological site & plant communities: Plant communities of depressions of deep silty clay loam soils: These depressions are usually called "Rawdat" in Qatar
Dominant species: The plant community consists mainly of: *Acacia tortilis*, *Acacia ehrenbergia*, *Ziziphus nummularia* trees and *Lycium shawii* shrubs, other species include *Avena javanica*, *Anastatica hierochuntica*, *Cassia italica*, *Citrullus colocynthis* and many others.
Soil texture: Deep silty clay loam
Depth: 50-150 cm deep



Plate 3 Qatar - *Cenchrus biflorus*

Genus: *Cenchrus* **Family:** Poaceae
Species: *biflorus*
Local name: Haskaneet
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Doha
Latitude: **Longitude:**
Vegetation district zone: Central Inland Zone
Ecological site & plant communities: Plant communities of depressions of sandy to sandy loam soils
Dominant species: Grasses such as: *Chrysopogon gryllus* and *Cymbopogon commutatus* are common. *Acacia* trees also found such as *Acacia tortilis*, *Acacia ehrenbergia*. Legumes include: *Astragalus* sp., *Astragalus sieberi*, *Blepharis ciliaris*,
Soil texture: Mainly sandy soils but occasionally mixture of sand, silt, loam, small and large-sized rocks. Soil is non saline to slight saline ranging from 0.32-2.37 ds/m.
Depth:



Plate 4 Qatar - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Local name: Sabat
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Doha
Latitude: N36 40 66 **Longitude:** E19 72 02
Vegetation district zone: Southern Inland Zone
Ecological site & plant communities: Plant communities of depressions of sandy to sandy loam soils
Dominant species: Grasses such as: *Chrysopogon gryllus* and *Cymbopogon commutatus* are common. *Acacia* trees also found such as *Acacia tortilis*, *Acacia ehrenbergia*. Legumes include: *Astragalus* sp., *Astragalus sieberi*, *Blepharis ciliaris*,
Soil texture: Mainly sandy soils but occasionally mixture of sand, silt, loam, small and large-sized rocks. Soil is non saline to slight saline ranging from 0.32-2.37 ds/m.
Depth:



Plate 5 Doha/Qatar - *Chloris virgata*

Genus: *Chloris* **Family:** Poaceae
Species: *virgata*
Local name: Khazamzam
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Doha
Latitude: **Longitude:**
Vegetation district zone: Central Inland Zone
Ecological site & plant communities: Plant community of disturbed areas
Dominant species: The main tree species are *Acacia tortilis*, *Acacia ehrenbergia*. Others include: *Aeluropus lagopoides*, *Aizoon canariense*, *Anabasis setifera*, *Astragalus* sp., *Capparis spinosa*, *Cassia italica*, and grasses such as: *Chloris virgata*, *Cymbopogon commutatus*, *Cyperus conglomerates*, *Cyperus rotundus*, *Dichanthium foveolatum*, *Pennisetum divisum* and those which belong to Chenopodiaceae: *Salsola baryosma*, *Salsola vermiculata* and *Atriplex leuoclada*
Soil texture: This habitat is composed of rocky sandy flat areas and fine- textured soil mixed with rock depressions. Soil is non-saline (3.1 ds/m), with high diverse vegetation due to weeds infestations
Depth:



Plate 6 Doha/Qatar - *Chrysopogon aucheri*

Genus: *Chrysopogon* **Family:** Gramineae
Species: *aucheri*
Local name: haltaa
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Al Jemaiiya
Latitude: N40 28 00 **Longitude:** E20 27 00
Vegetation district zone: Central Inland Zone
Ecological site & plant communities: Plant communities of depressions of deep silty clay loam soils
Dominant species: The plant community consists mainly of: *Acacia tortilis*, *Acacia ehrenbergia*, *Ziziphus nummularia* trees and *Lycium shawii* shrubs, other species include *Avena javanica*, *Anastatica hierochuntica*, *Cassia italica*, *Citrullus colocynthis* and many others.
Soil texture: Deep silty clay loam
Depth: 50-150 cm deep



Plate 7 Qatar - *Cymbopogon commutatus*

Genus: *Cymbopogon* **Family:** Gramineae
Species: *commutatus*
Local name: Skhabar
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Al Jemaliya
Latitude: N42 90 64 **Longitude:** E20 69 55
Vegetation district zone: Central Inland Zone
Ecological site & plant communities: Plant communities of depressions of deep silty clay loam soils
Dominant species: The plant community consists mainly of: *Acacia tortilis*, *Acacia ehrenbergia*, *Ziziphus nummularia* trees and *Lycium shawii* shrubs, other species include *Avena javanica*, *Anastatica hierochuntica*, *Cassia italica*, *Citrullus colocynthis* and many others.
Soil texture: Deep silty clay loam
Depth: 50-100 cm



Plate 8 Qatar - *Eleusine compressa*

Genus: *Eleusine* **Family:** Gramineae
Species: *compressa*
Local name: Sanim
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Jeryan Al Batna
Latitude: N33 26 64 **Longitude:** E16 18 85
Vegetation district zone: Southern Inland Zone
Ecological site & plant communities: Plant communities of depressions of sandy to sandy loam soils
Dominant species: Grasses such as: *Chrysopogon gryllus* and *Cymbopogon commutatus* are common. *Acacia* trees also found such as *Acacia tortilis*, *Acacia ehrenbergia*. Legumes include: *Astragalus* sp., *Astragalus sieberi*, *Blepharis ciliaris*,
Soil texture: Mainly sandy soils but occasionally mixture of sand, silt, loam, small and large-sized rocks. Soil is non saline to slight saline ranging from 0.32-2.37 ds/m.
Depth:



Plate 9 Qatar - *Lasiurus hirsutus*

Genus: *Lasiurus* **Family:** Poaceae
Species: *hirsutus*
Local name: Da'aa
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Jeryan Al Batna
Latitude: N39 96 08 **Longitude:** E17 14 46
Vegetation district zone: Southern Inland Zone
Ecological site & plant communities: Plant communities of depressions of sandy to sandy loam soils
Dominant species: Grasses such as: *Chrysopogon gryllus* and *Cymbopogon commutatus* are common. *Acacia* trees also found such as *Acacia tortilis*, *Acacia ehrenbergia*. Legumes include: *Astragalus* sp., *Astragalus sieberi*, *Blepharis ciliaris*,
Soil texture: Mainly sandy soils but occasionally mixture of sand, silt, loam, small and large-sized rocks. Soil is non saline to slight saline ranging from 0.32-2.37 ds/m.
Depth:



Plate 10 Qatar - *Lycium shawii*

Genus: *Lycium* **Family:** Solanaceae
Species: *shawii*
Local name: Awsag
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar
Governorate: Madinat Al Shamal
Latitude: N46 91 18 **Longitude:** E21 11 72
Vegetation district zone: Northern Inland Zone
Ecological site & plant communities: Plant communities of depressions of sandy to sandy loam soils
Dominant species: The plant community consists mainly of: *Acacia tortilis*, *Acacia ehrenbergia*, *Ziziphus nummularia* trees and *Lycium shawii* shrubs, other species include *Avena javanica*, *Anastatica hierochuntica*, *Cassia italica*, *Citrullus colocynthis* and many others.
Soil texture: Deep silty clay loam
Depth: 50-150 cm deep



Plate 11 Qatar - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Local name: Thumam
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar
Governorate: Doha
Latitude: N36 40 66 **Longitude:** E19 72 02
Vegetation district zone: Central Inland Zone
Ecological site & plant communities: Plant communities of depressions of sandy to sandy loam soils
Dominant species: Grasses such as: *Chrysopogon gryllus* and *Cymbopogon commutatus* are common. *Acacia* trees also found such as *Acacia tortilis*, *Acacia ehrenbergia*. Legumes include: *Astragalus* sp., *Astragalus sieberi*, *Blepharis ciliaris*,
Soil texture: Mainly sandy soils but occasionally mixture of sand, silt, loam, small and large-sized rocks. Soil is non saline to slight saline ranging from 0.32-2.37 ds/m.
Depth:



Plate 12 Qatar - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Local name: Thaymoum
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Jeryan Al Batna
Latitude: N34 01 99 **Longitude:** E18 27 54
Vegetation district zone: Southern Inland Zone
Ecological site & plant communities: Plant Communities of depressions of deep silty clay loam soils
Dominant species: Grasses such as: *Chrysopogon gryllus* and *Cymbopogon commutatus* are common. *Acacia* trees also found such as *Acacia tortilis*, *Acacia ehrenbergia*. Legumes include: *Astragalus* sp., *Astragalus sieberi*, *Blepharis ciliaris*,
Soil texture: Mainly sandy soils but occasionally mixture of sand, silt, loam, small and large-sized rocks. Soil is non saline to slight saline ranging from 0.32-2.37 ds/m.
Depth:



Plate 13 Qatar - *Sporobolus spicatus*

Genus: *Sporobolus* **Family:** Poaceae
Species: *spicatus*
Local name:
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar **Governorate:** Al Khor
Latitude: N43 45 55 **Longitude:** E22 55 74
Vegetation district zone: North East Coastal Zone
Ecological site & plant communities: Plant communities of salt flats
Dominant species: The members of plant found were: *Anabasis setifera*, *Tamarix* sp., *Stipa capensis*, *Sporobolus arabicus*, *Salsola baryosma*, *Zygophyllum qatariense*, *Cyperus conglomerates*, *Heliotropium bacciferum*, *Pulicaria gnaphalodes*, *Arnebia hispidissima*, *Launaea nudicaulis*, *Leucaena leucocephala* and *Prosopis chilensis*.
Soil texture: Soil is affected by sea water and characterized by strong salinity which can reach 61.1 ds/m.
Depth: 10-150 cm deep



Plate 14 Qatar - *Ziziphus nummularia*

Genus: *Ziziphus* **Family:** Rhamnaceae
Species: *nummularia*
Local name: Sidir
Collection date: 1998-2004
Collector (s): Mohamed Ali Hassan
Identified by: Mohamed Ali Hassan and Ikhlas Abdel Bari
Country: Qatar
Governorate: Madinat Al Shamal
Latitude: N45 62 48 **Longitude:** E20 47 91
Vegetation district zone: Northern Inland Zone
Ecological site & plant communities: Plant communities of depressions of deep silty clay loam soils
Dominant species: The plant community consists mainly of: *Acacia tortilis*, *Acacia ehrenbergia*, *Ziziphus nummularia* trees and *Lycium shawii* shrubs, other species include *Avena javanica*, *Anastatica hierochuntica*, *Cassia italica*, *Citrullus colocynthis* and many others.
Soil texture: Deep silty clay loam
Depth: 50-150 cm deep