

Collection in the United Arab Emirates 1998

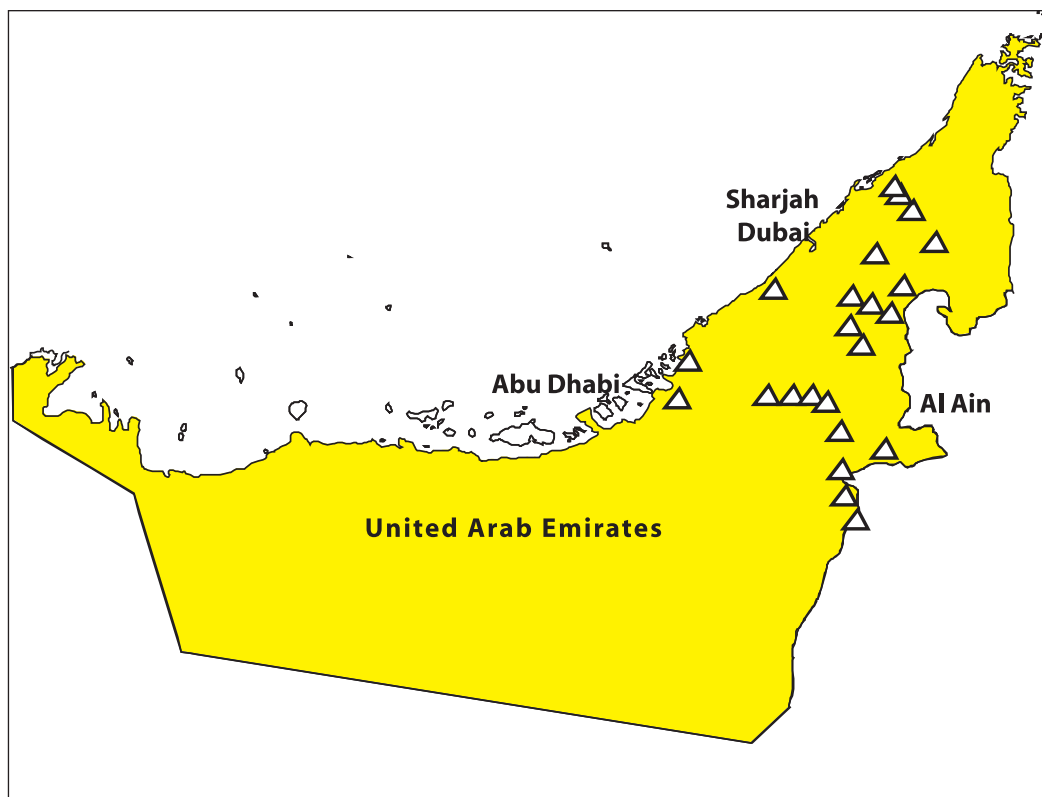




Plate 1 UAE - *Calligonum crinitum*

Genus: *Calligonum* **Family:** Polygonaceae
Species: *crinitum*
Sub-species: arabicum
Local name:
Collection date: 17 Mar.1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N23 40 826 **Longitude:** E55 33 929
Location: The first forest on right side on entering Wijan
Habitat: Protected or enclosed
Land form: Sand dune
Site description:
Dominant species:
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 1.9



Plate 2 UAE - *Cassia italica*

Genus: *Cassia* **Family:** Caesalpiniaceae
Species: *italica*
Sub-species:
Local name:
Collection date: 17 Mar.1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N23 43 178 **Longitude:** E55 33 848
Location: 16.7 km from Al-Arad on Al-Ain to Wijan road, on right
Habitat: Roadside
Land form: Sand dune
Site description:
Dominant species: *Indigofera oblongifolia* (?)
(perennial legume, ashrek-davrah)
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sand
Species remarks: Many insects on seeds
Soil texture: Sand **Rock/stones:** No
pH: 8.1 **Ec:** 0.8



Plate 3-1 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N25 04 239 **Longitude:** E55 08 501
Location: At roundabout at entrance to Emirates Golf Club, turn right, continue for 2 km, turn left for 0.3 km on dirt track
Habitat: Communal grazing
Land form: Inland salt pan (sabkhah)
Site description:
Dominant species: *Pennisetum divisum*, *Panicum turgidum*, *Stipaprostis plumosa*
Grazing pressure: Low seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 3.7



Plate 3-2 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 39 082 **Longitude:** E55 49 641
Location: 12 km from Hamraniyah in NW direction, towards Al-Jazirah a Hamra
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth (*Haloxylon salicornicum* ?), *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.3 **Ec:** 0.2



Plate 3-3 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Fujairah
Latitude: N25 08 371 **Longitude:** E56 21 314
Location: In plot on North side of Hilton Hotel, Fujairah
Habitat: Disturbed
Land form: Gravel plain
Site description: Wasteland area
Dominant species: Annual grasses
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sandy loam
Species remarks:
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.2 **Ec:** 0.4
 Calcareous soil



Plate 3-4 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 21 920 **Longitude:** E56 00 768
Location: 6 km after turn to Ghayl on Ras Al Khaimah to Manama road on right
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: *Panicum turgidum*, *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sand
Species remarks: Found within *Ryza stricta*
Soil texture: Sand **Rock/stones:** No
pH: 8.1 **Ec:** 0.2



Plate 3-5 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 32 814 **Longitude:** E56 53 718
Location: From roundabout at Ras Al Khaimah International Airport, turn towards airport, after 5 km at roundabout turn left, after 5.3 km turn right for 2.7 km in westerly direction
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth (*Haloxylon salicornicum* ?), *Panicum turgidum*
Grazing pressure: Medium seed collected; Y
Species distribution: Clumped
Species frequency: Rare
Soil texture: Sand
Species remarks: Much black fungal disease, possibly smut
Soil texture: Sand **Rock/stones:** No
pH: 8.1 **Ec:** 0.2



Plate 3-6 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 05 224 **Longitude:** E55 50 541
Location: Approximately 5 km on road from Mileiha to Al-Ain, turn right on desert track for 2 km in westerly direction towards the base of Jebel Fa'jyah
Habitat: Communal grazing
Land form: Sand dune
Site description: On small dunes at base of Jebel Fa'jyah
Dominant species: *Panicum turgidum*, *Pennisetum divisum*, annual grasses
Grazing pressure: High seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sand
Species remarks: Occurs within *Pennisetum divisum*
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 3-7 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 21 920 **Longitude:** E56 00 768
Location: 6 km after turn to Ghayl on Ras Al Khaimah to Manama road on right
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: *Panicum turgidum*, *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sand
Species remarks: Found within *Ryza stricta*
Soil texture: Sand **Rock/stones:** No
pH: 8.1 **Ec:** 0.2



Plate 3-8 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 3-9 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 41 731 **Longitude:** E55 47 836
Location: On road from Ajman to Ras Al-Khaimah, 35 km on left from Umm Al-Qaiwain roundabout, opposite Majan Printing and Packaging Co.
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description:
Dominant species: Harim al Jamal
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 12
 Calcareous soil



Plate 3-10 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N24 55 675 **Longitude:** E55 46 502
Location: On road from Madam to Dhaid, 1.5 km from Madam roundabout on left
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth and annual grasses
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.3 **Ec:** 0.3



Plate 3-11 UAE - *Cenchrus ciliaris*

Genus: *Cenchrus* **Family:** Poaceae
Species: *ciliaris*
Sub-species:
Local name: leybid
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 51 876 **Longitude:** E55 33 432
Location: 2.5 km before Junction 8 on Dubai to Al-Ain road on right, by restaurant
Habitat: Roadside
Land form: Sand dune
Site description: Drip irrigation
Dominant species: Planted woodland of *Presopis cineraria*, Neem, Arak, also *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.4



Plate 4-1 UAE - *Coelachyrum piercei*

Genus: *Coelachyrum* **Family:** Poaceae
Species: *piercei*
Sub-species:
Local name: dakhna
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 41 731 **Longitude:** E55 47 836
Location: On road from Ajman to Ras Al-Khaimah, 35 km on left from Umm Al-Qaiwain roundabout, opposite Majan Printing and Packaging Co.
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description:
Dominant species: Harim al Jamal
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 12
 Calcareous soil



Plate 4-2 UAE - *Coelachyrum piercei*

Genus: *Coelachyrum* **Family:** Poaceae
Species: *piercei*
Sub-species:
Local name: dakhna
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 38 099 **Longitude:** E54 41 604
Location: 3.1 km from bridge on Abu-Dhabi to Al-Rahba, over bridge, straight across roundabout towards the sea
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description: Near Sea
Dominant species: *Panicum turgidum*, *Halopeplis perfoliata*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 8.3



Plate 4-3 UAE - *Coelachyrum piercei*

Genus: *Coelachyrum* **Family:** Poaceae
Species: *piercei*
Sub-species:
Local name: dakhna
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks: Under *Acacia tortilis* tree
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 4-4 UAE - *Coelachyrum piercei*

Genus: *Coelachyrum* **Family:** Poaceae
Species: *piercei*
Sub-species:
Local name: dakhna
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 39 082 **Longitude:** E55 49 641
Location: 12 km from Hamraniyah in NW direction, towards Al-Jazirah a Hamra
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth (*Haloxyylon salicornicum* ?), *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.3 **Ec:** 0.2



Plate 5-1 UAE - *Dichanthium foveolatum*

Genus: *Dichanthium* **Family:** Poaceae
Species: *foveolatum*
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N25 04 239 **Longitude:** E55 08 501
Location: At roundabout at entrance to Emirates Golf Club, turn right, continue for 2 km, turn left for 0.3 km on dirt track
Habitat: Communal grazing
Land form: Inland salt pan (sabkha)
Site description:
Dominant species: *Pennisetum divisum*, *Panicum turgidum*, *Stipaprostis plumosa*
Grazing pressure: Low seed collected; Y
Species distribution:
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 3.7



Plate 5-2 UAE - *Dichanthium foveolatum*

Genus: *Dichanthium* **Family:** Poaceae
Species: *foveolatum*
Sub-species:
Local name:
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Fujairah
Latitude: N25 08 371 **Longitude:** E56 21 314
Location: In plot on North side of Hilton Hotel, Fujairah
Habitat: Disturbed
Land form: Gravel plain
Site description: Wasteland area
Dominant species: Annual grasses
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Abundant
Soil texture: Sandy loam
Species remarks:
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.2 **Ec:** 0.4
 Calcareous soil



Plate 5-3 UAE - *Dichanthium foveolatum*

Genus: *Dichanthium* **Family:** Poaceae
Species: *foveolatum*
Sub-species:
Local name:
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 41 731 **Longitude:** E55 47 836
Location: On road from Ajman to Ras Al-Khaimah, 35 km on left from Umm Al-Qaiwain roundabout, opposite Majan Printing and Packaging Co.
Habitat: Coastal
Land form: Coastal salt pan (sabkhhah)
Site description:
Dominant species: Harim al Jamal
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 12
 Calcareous soil



Plate 5-4 UAE - *Dichanthium foveolatum*

Genus: *Dichanthium* **Family:** Poaceae
Species: *foveolatum*
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 38 099 **Longitude:** E54 41 604
Location: 3.1 km from bridge on Abu-Dhabi to Al-Rahba, over bridge, straight across roundabout towards the sea
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description: Near sea
Dominant species: *Panicum turgidum*, *Halopeplis perfoliata*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 8.3



Plate 5-5 UAE - *Dichanthium foveolatum*

Genus: *Dichanthium* **Family:** Poaceae
Species: *foveolatum*
Sub-species:
Local name:
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 00 800 **Longitude:** E56 21 872
Location: From roundabout at entrance to Khor Khalba Nature Reserve, cross bridge and continue ahead for 200m
Habitat: Protected or enclosed
Land form: Sand dune
Site description: On spur at Khor Kalba
Dominant species: *Pennisetum divisum*, *Halopeplis perfoliata* ?(Rimram)
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sandy loam
Species remarks: Locks as if majority are still in flowering
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.1 **Ec:** 0.3



Plate 6-1 UAE - *Dipterigium glaucum*

Genus: *Dipterigium* **Family:** Capparaceae
Species: *glaucum*
Sub-species:
Local name: guthm
Collection date: 17 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N23 49 112 **Longitude:** E55 31 630
Location: 3.8 km from Al-Arad towards Al-Wijan on Al-Ain to Al-Wijan
Habitat: Roadside
Land form: Sand dune
Site description: Evidence of substantial runoff from road
Dominant species: *Dipterigium glaucum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks: Many green seeds
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 1.5



Plate 6-2 UAE - *Dipterigium glaucum*

Genus: *Dipterigium* **Family:** Capparaceae
Species: *glaucum*
Sub-species:
Local name: guthm
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Fujairah
Latitude: N25 08 371 **Longitude:** E56 21 314
Location: In plot on North side of Hilton Hotel, Fujairah
Habitat: Disturbed
Land form: Gravel plain
Site description: wasteland area
Dominant species: Annual grasses
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sandy loam
Species remarks:
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.2 **Ec:** 0.4
 Calcareous soil



Plate 6-3 UAE - *Dipterigium glaucum*

Genus: *Dipterigium* **Family:** Capparaceae
Species: *glaucum*
Sub-species:
Local name: guthm
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks: Very few seeds
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 6-4 UAE - *Dipterigium glaucum*

Genus: *Dipterigium* **Family:** Capparaceae
Species: *glaucum*
Sub-species:
Local name: guthm
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 25 171 **Longitude:** E55 06 853
Location: 20.9 km from the Sweihan roundabout on the Sweihan to Abu-Dhabi road, on right
Habitat: Roadside
Land form: Gravel plain
Site description:
Dominant species: Harmel, *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks: Few seeds, still flowering
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 1



Plate 6-5 UAE - *Dipterigium glaucum*

Genus: *Dipterigium* **Family:** Capparaceae
Species: *glaucum*
Sub-species:
Local name: guthm
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 51 876 **Longitude:** E55 33 432
Location: 2.5 km before Junction 8 on Dubai to Al-Ain road on right, by restaurant
Habitat: Roadside
Land form: Sand dune
Site description: Drip irrigation
Dominant species: Planted woodland of *Presopis cineraria*, Neem, Arak, also *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks: Few seeds, still green
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.4



Plate 6-6 UAE - *Dipterigium glaucum*

Genus: *Dipterigium* **Family:** Capparaceae
Species: *glaucum*
Sub-species:
Local name: guthm
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Fujairah
Latitude: N25 08 371 **Longitude:** E56 21 314
Location: In plot on North side of Hilton Hotel, Fujairah
Habitat: Disturbed
Land form: Gravel plain
Site description: Wasteland area
Dominant species: Annual grasses
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sandy loam
Species remarks:
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.2 **Ec:** 0.4
 Calcareous soil



Plate 6-7 UAE - *Dipterigium glaucum*

Genus: *Dipterigium* **Family:** Capparaceae
Species: *glaucum*
Sub-species:
Local name: guthm
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 44 405 **Longitude:** E55 36 883
Location: 4.8 km after Abu Dhabi/ Dubai border on Al-Ain to Dubai highway, on left
Habitat: Roadside
Land form: Sand dune
Site description: Drip irrigation and run-off from road
Dominant species: *Pennisetum divisum* and *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sand
Species remarks: Seeds still green
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 0.4



Plate 6-8 UAE - *Dipterigium glaucum*

Genus: *Dipterigium* **Family:** Capparaceae
Species: *glaucum*
Sub-species:
Local name: guthm
Collection date: 17 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N23 43 178 **Longitude:** E55 33 848
Location: 16.7 km from Al-Arad on Al-Ain to Wijan road, on right
Habitat: Roadside
Land form: Sand dune
Site description:
Dominant species: *Indigofera oblongifolia* (?)
(perennial legume, ashrek-davrah)
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks: Seeds still green
Soil texture: Sand **Rock/stones:** No
pH: 8.1 **Ec:** 0.8



Plate 7 UAE - *Farsetia aegyptiaca*

Genus: *Farsetia* **Family:** Cruciferae
Species: *aegyptiaca*
Sub-species:
Local name:
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby
 and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 26 313 **Longitude:** E55 14 722
Location: 6.8 km from Sweihan roundabout on the
 Sweihan to Abu-Dhabi road, on right
Habitat: Roadside
Land form: Gravel plain
Site description:
Dominant species: Harmel, *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency: Rare
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 2.7



Plate 8-1 UAE - *Heliotropium kotschy*

Genus: *Heliotropium* **Family:** Boraginaceae
Species: *kotschy*
Sub-species:
Local name:
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby
 and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History
 Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum*
turgidum
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 8-2 UAE - *Heliotropium kotschy*

Genus: *Heliotropium* **Family:** Boraginaceae

Species: *kotschy*

Sub-species:

Local name:

Collection date: 19 Mar. 1998

Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi

Latitude: N24 38 099 **Longitude:** E54 41 604

Location: 3.1 km from bridge on Abu-Dhabi to Al-Rahba, over bridge, straight across roundabout towards the sea

Habitat: Coastal

Land form: Coastal salt pan (sabkhah)

Site description: Near sea

Dominant species: *Panicum turgidum*, *Halopeplis perfoliata*

Grazing pressure: None seed collected; Y

Species distribution:

Species frequency:

Soil texture: Sand

Species remarks:

Soil texture: Sand

Rock/stones: No

pH: 7.8 **Ec:** 8.3



Plate 9 UAE - *Indigofera articulata*

Genus: *Indigofera*

Family: Fabaceae

Species: *articulata*

Sub-species:

Local name:

Collection date: 18 Mar. 1998

Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi

Latitude: N24 26 313 **Longitude:** E55 14 722

Location: 6.8 km from Sweihan roundabout on the Sweihan to Abu-Dhabi road, on right

Habitat: Roadside

Land form: Gravel plain

Site description:

Dominant species: Harmel, *Stipagrostis plumosa*

Grazing pressure: None seed collected; Y

Species distribution: Clumped

Species frequency: Occasional

Soil texture: Sand

Species remarks: Many pods still appear green

Soil texture: Sand

Rock/stones: No

pH: 7.8 **Ec:** 2.7



Plate 10-1 UAE - *Indigofera* sp.

Genus: *Indigofera* **Family:** Fabaceae
Species:
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 38 099 **Longitude:** E54 41 604
Location: 3.1 km from bridge on Abu-Dhabi to Al-Rahba, over bridge, straight across roundabout towards the sea
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description: Near Sea
Dominant species: *Panicum turgidum*, *Halopeplis perfoliata*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 8.3



Plate 10-2 UAE - *Indigofera* sp.

Genus: *Indigofera* **Family:** Fabaceae
Species:
Sub-species:
Local name:
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 11-1 UAE - *Lasiurus scindicus*

Genus: *Lasiurus* **Family:** Poaceae
Species: *scindicus*
Sub-species:
Local name: Da'e
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 05 224 **Longitude:** E55 50 541
Location: Approximately 5 km on road from Mileiha to Al-Ain, turn right on desert track for 2 km in westerly direction towards the base of Jebel Fa'jyah
Habitat: Communal grazing
Land form: Sand dune
Site description: on small dunes at base of Jebel Fa'jyah
Dominant species: *Panicum turgidum*, *Pennisetum divisum*, annual grasses
Grazing pressure: High seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks: Many heads still immature
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 11-2 UAE - *Lasiurus scindicus*

Genus: *Lasiurus* **Family:** Poaceae
Species: *scindicus*
Sub-species:
Local name: Da'e
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 21 920 **Longitude:** E56 00 768
Location: 6 km after turn to Ghayl on Ras Al Khaimah to Manama road on right
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: *Panicum turgidum*, *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.1 **Ec:** 0.2



Plate 11-3 UAE - *Lasiurus scindicus*

Genus: *Lasiurus* **Family:** Poaceae
Species: *scindicus*
Sub-species:
Local name: Da'e
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 25 171 **Longitude:** E55 06 853
Location: 20.9 km from the Sweihan roundabout on the Sweihan to Abu-Dhabi road, on right
Habitat: Roadside
Land form: Gravel plain
Site description:
Dominant species: Harmel, *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 1



Plate 11-4 UAE - *Lasiurus scindicus*

Genus: *Lasiurus* **Family:** Poaceae
Species: *scindicus*
Sub-species:
Local name: Da'e
Collection date: 17 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N23 40 826 **Longitude:** E55 33 929
Location: The first forest on right side on entering Wijan
Habitat: Protected or enclosed
Land form: Sand dune
Site description:
Dominant species:
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 19



Plate 11-5 UAE - *Lasiurus scindicus*

Genus: *Lasiurus* **Family:** Poaceae
Species: *scindicus*
Sub-species:
Local name: Da'e
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 23 834 **Longitude:** E55 26 351
Location: National Avian Research Centre, Sweihan
Habitat: Protected or enclosed
Land form: Gravel plain
Site description:
Dominant species:
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.5 **Ec:** 3



Plate 11-6 UAE - *Lasiurus scindicus*

Genus: *Lasiurus* **Family:** Poaceae
Species: *scindicus*
Sub-species:
Local name: Da'e
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks: Not too many heads although quite a number of bushes. This may be due to lack of grazing
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 12 UAE - *Leptadenia pyrotechnica*

Genus: *Leptadenia* **Family:** Asclepiadaceae
Species: *pyrotechnica*
Sub-species:
Local name:
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks: Pods still green, milky exudate
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 13-1 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 13-2 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 44 405 **Longitude:** E55 36 883
Location: 4.8 km after Abu Dhabi/ Dubai border on Al-Ain to Dubai highway, on left
Habitat: Roadside
Land form: Sand dune
Site description: Drip irrigation and run-off from road
Dominant species: *Pennisetum divisum* and *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 0.4



Plate 13-3 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N25 01 659 **Longitude:** E55 33 952
Location: 4 km from Al-Haba on road from Al-Haba to Jebel Ali
Habitat: Roadside
Land form: Sand dune
Site description:
Dominant species: *Pennisetum divisum* and *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.4



Plate 13-4 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N25 04 239 **Longitude:** E55 08 501
Location: At roundabout at entrance to Emirates Golf Club, turn right, continue for 2 km, turn left for 0.3 km on dirt track
Habitat: Communal grazing
Land form: Inland salt pan (sabkhah)
Site description:
Dominant species: *Pennisetum divisum*, *Panicum turgidum*, *Stipagrostis plumosa*
Grazing pressure: Low seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 3.7



Plate 13-5 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 17 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N23 40 826 **Longitude:** E55 33 929
Location: The first forest on right side on entering Wijan
Habitat: Protected or enclosed
Land form: Sand dune
Site description:
Dominant species:
Grazing pressure: Seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 1.9



Plate 13-6 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 24 550 **Longitude:** E54 38 134
Location: 1.4 km before roundabout to Abu-Dhabi freight terminal on Abu-Dhabi to Dubai road
Habitat: Roadside
Land form: Sand dune
Site description: Irrigation in planted forest along road
Dominant species: Date palm, Neem, *Panicum turgidum*, *Sporobolus spicatus*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks: Many still flowering
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 5.8



Plate 13-7 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 39 082 **Longitude:** E55 49 641
Location: 12 km from Hamraniyah in NW direction, towards Al-Jazirah a Hamra
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth (*Haloxylon salicornicum* ?), *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.3 **Ec:** 0.2



Plate 13-8 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 05 224 **Longitude:** E55 50 541
Location: Approximately 5 km on road from Mileiha to Al-Ain, turn right on desert track for 2 km in westerly direction towards the base of Jebel Fa'jyah
Habitat: Communal grazing
Land form: Sand dune
Site description: on small dunes at base of Jebel Fa'jyah
Dominant species: *Panicum turgidum*, *Pennisetum divisum*, annual grasses
Grazing pressure: High seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks: Only a little seed as the camels appear to have eaten much of it
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 13-9 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 41 731 **Longitude:** E55 47 836
Location: On road from Ajman to Ras Al-Khaimah, 35 km on left from Umm Al-Qaiwain roundabout, opposite Majan Printing and Packaging Co.
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description:
Dominant species: Harim al Jamal
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks: Many plants with no heads
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 12
 Calcareous soil



Plate 13-10 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 21 920 **Longitude:** E56 00 768
Location: 6 km after turn to Ghayl on Ras Al Khaimah to Manama road on right
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: *Panicum turgidum*, *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.1 **Ec:** 0.2



Plate 13-11 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 32 814 **Longitude:** E55 53 718
Location: From roundabout at Ras Al Khaimah International Airport, turn towards airport, after 5 km at roundabout turn left, After 5.3 km turn right for 2.7 km in westerly direction
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth (*Haloxylon salicornicum* ?), *Panicum turgidum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.2



Plate 13-12 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 24 550 **Longitude:** E54 38 134
Location: 1.4 km before roundabout to Abu-Dhabi freight terminal on Abu-Dhabi to Dubai road
Habitat: Roadside
Land form: Sand dune
Site description: Irrigation in planted forest along road
Dominant species: Date palm, Neem, *Panicum turgidum*, *Sporobolus spicatus*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks: Many still flowering
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 5.8



Plate 13-13 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 21 920 **Longitude:** E56 00 768
Location: 6 km after turn to Ghayl on Ras Al Khaimah to Manama road on right
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: *Panicum turgidum*, *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.1 **Ec:** 0.2



Plate 13-14 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 51 876 **Longitude:** E55 33 432
Location: 2.5 km before Junction 8 on Dubai to Al-Ain road on right, by restaurant
Habitat: Roadside
Land form: Sand dune
Site description: Drip irrigation
Dominant species: Planted woodland of *Presopis cineraria*, Neem, Arak, also *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.4

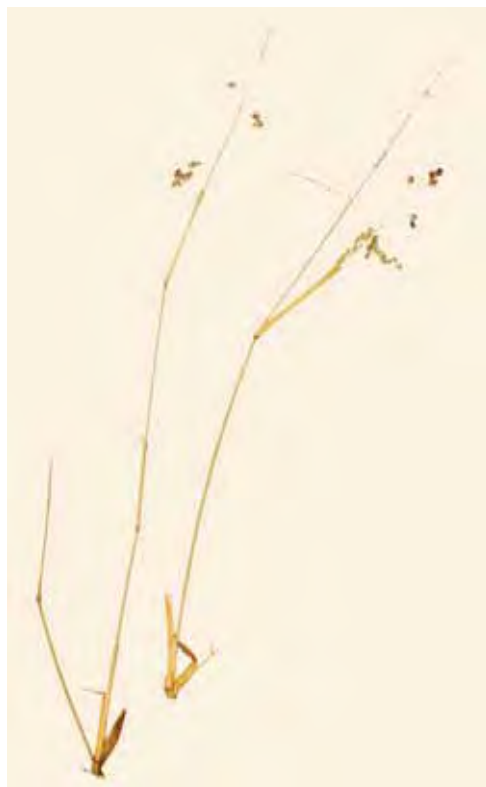


Plate 13-15 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 25 171 **Longitude:** E55 06 853
Location: 20.9 km from the Sweihan roundabout on the Sweihan to Abu-Dhabi road, on right
Habitat: Roadside
Land form: Gravel plain
Site description:
Dominant species: Harmel, *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 1

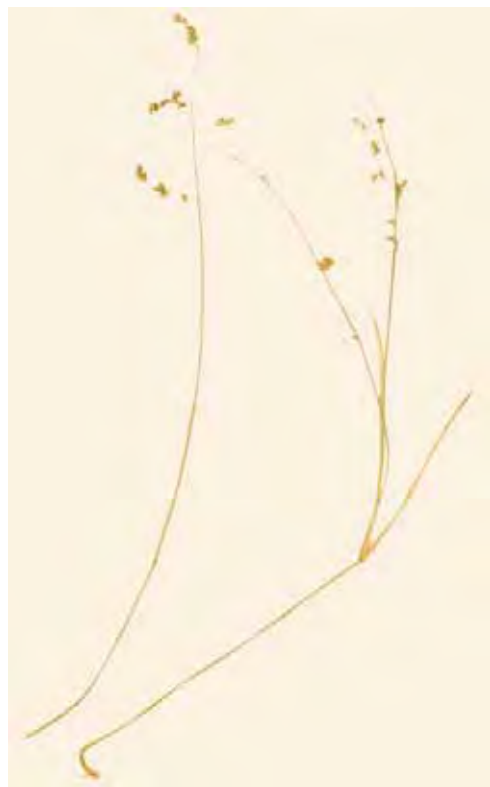


Plate 13-16 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 26 269 **Longitude:** E55 21 346
Location: 29.1 km from the turn to Sweihan on the on the Abu-Dhabi to Al-Ain road, towards Sweihan, on right
Habitat: Roadside
Land form: Sand dune
Site description:
Dominant species: *Pennisetum divisum*, rimth, *Cyperus conglomeratus*
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 0.9



Plate 13-17 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 38 099 **Longitude:** E55 41 604
Location: 3.1 km from bridge on Abu-Dhabi to Al-Rahba, over bridge, straight across roundabout towards the sea
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description: Near Sea
Dominant species: *Panicum turgidum*, *Halopeplis perfoliata*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 8.3



Plate 13-8 UAE - *Panicum turgidum*

Genus: *Panicum* **Family:** Poaceae
Species: *turgidum*
Sub-species:
Local name: thomam
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 51 876 **Longitude:** E55 33 432
Location: 2.5 km before Junction 8 on Dubai to Al-Ain road on right, by restaurant
Habitat: Roadside
Land form: Sand dune
Site description: Drip irrigation
Dominant species: Planted woodland of *Presopis cineraria*, Neem, Arak, also *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.4

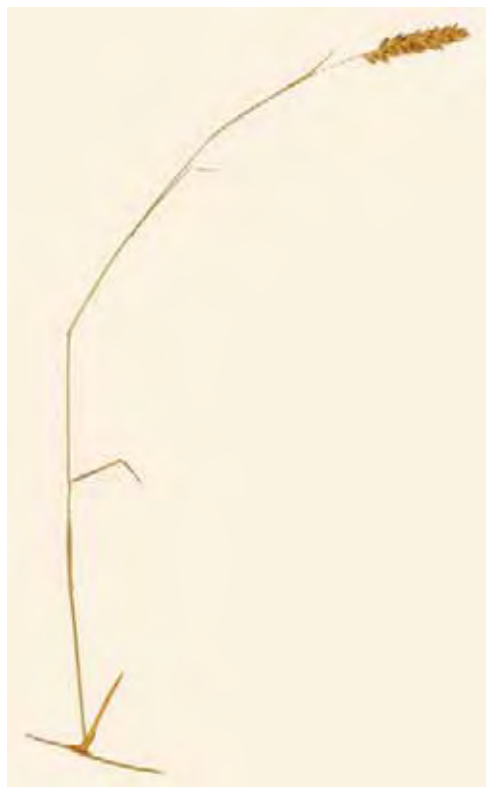


Plate 14-1 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 25 171 **Longitude:** E55 06 853
Location: 20.9 km from the Sweihan roundabout on the Sweihan to Abu-Dhabi road, on right
Habitat: Roadside
Land form: Gravel plain
Site description:
Dominant species: Harmel, *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 1



Plate 14-2 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 26 269 **Longitude:** E55 21 346
Location: 29.1 km from the turn to Sweihan on the Abu-Dhabi to Al-Ain road, towards Sweihan, on the right
Habitat: Roadside
Land form: Sand dune
Site description:
Dominant species: *Pennisetum divisum*, rimth, *Cyperus conglomeratus*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 0.9



Plate 14-3 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 39 082 **Longitude:** E55 49 641
Location: 12 km from Hamraniyah in NW direction, towards Al-Jazirah a Hamra
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth (*Haloxylon salicornicum* ?), *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.3 **Ec:** 0.2

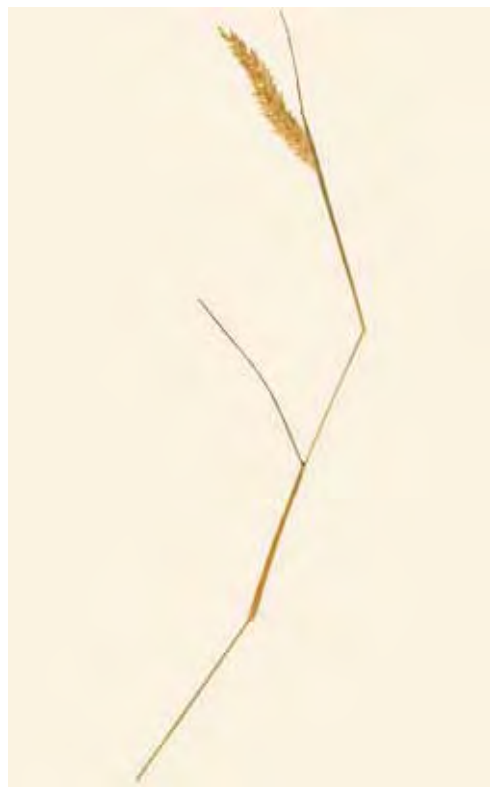


Plate 14-4 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 32 814 **Longitude:** E55 53 718
Location: From roundabout at Ras Al Khaimah International Airport, turn towards airport, after 5 km at roundabout turn left, After 5.3 km turn right for 2.7 km in westerly direction
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth (*Haloxylon salicornicum* ?), *Panicum turgidum*
Grazing pressure: Medium seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.2



Plate 14-5 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 21 920 **Longitude:** E56 00 768
Location: 6 km after turn to Ghayl on Ras Al Khaimah to Manama road on right
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: *Panicum turgidum*, *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.1 **Ec:** 0.2



Plate 14-6 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 00 800 **Longitude:** E56 21 872
Location: From roundabout at entrance to Khor Khalba Nature Reserve, cross bridge and continue ahead for 200m
Habitat: Protected or enclosed
Land form: Sand dune
Site description: On spur at Khor Kalba
Dominant species: *Pennisetum divisum*, *Halopeplis perfoliata* ?(Rimram)
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sandy loam
Species remarks: Not many heads, majority immature
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.1 **Ec:** 0.3



Plate 14-7 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N25 01 659 **Longitude:** E55 33 952
Location: 4 km from Al-Haba on road from Al-Haba to Jebel Ali
Habitat: Roadside
Land form: Sand dune
Site description:
Dominant species: *Pennisetum divisum* and *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.4



Plate 14-8 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 51 876 **Longitude:** E55 33 432
Location: 2.5 km before Junction 8 on Dubai to Al-Ain road on right, by restaurant
Habitat: Roadside
Land form: Sand dune
Site description: Drip irrigation
Dominant species: Planted woodland of *Presopis cineraria*, Neem, Arak, also *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.4



Plate 14-9 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 39 082 **Longitude:** E55 49 641
Location: 12 km from Hamraniyah in NW direction, towards Al-Jazirah a Hamra
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth (*Haloxylon salicornicum* ?), *Pennisetum divisum*
Grazing pressure: Medium seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.3 **Ec:** 0.2



Plate 14-10 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 05 224 **Longitude:** E55 50 541
Location: Approximately 5 km on road from Mileiha to Al-Ain, turn right on desert track for 2 km in westerly direction towards the base of Jebel Fa'jyah
Habitat: Communal grazing
Land form: Sand dune
Site description: on small dunes at base of Jebel Fa'jyah
Dominant species: *Panicum turgidum*, *Pennisetum divisum*, annual grasses
Grazing pressure: High Seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks: Grows on sand dunes
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 14-11 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 59 285 **Longitude:** E55 40 235
Location: 13.5 km from Madam roundabout on road to Dubai, both sides of the road
Habitat: Roadside
Land form: Sand dune
Site description:
Dominant species: *Stipagrostis plumosa* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.3 **Ec:** 0.3



Plate 14-12 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 26 313 **Longitude:** E55 14 722
Location: 6.8 km from Sweihan roundabout on the Sweihan to Abu-Dhabi road, on right
Habitat: Roadside
Land form: Gravel plain
Site description:
Dominant species: Harmel, *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 2.7



Plate 14-13 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N25 04 239 **Longitude:** E55 08 501
Location: At roundabout at entrance to Emirates Golf Club, turn right, continue for 2 km, turn left for 0.3 km on dirt track
Habitat: Communal grazing
Land form: Inland salt pan (sabkhah)
Site description:
Dominant species: *Pennisetum divisum*, *Panicum turgidum*, *Stipagrostis plumosa*
Grazing pressure: Low seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 3.7



Plate 14-14 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N24 55 675 **Longitude:** E55 46 502
Location: On road from Madam to Dhaid, 1.5 km from Madam roundabout on left
Habitat: Communal grazing
Land form: Sand dune
Site description:
Dominant species: Rimth and annual grasses
Grazing pressure: Medium seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.3 **Ec:** 0.3



Plate 14-15 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 00 800 **Longitude:** E56 21 872
Location: From roundabout at entrance to Khor Khalba Nature Reserve, cross bridge and continue ahead for 200m
Habitat: Protected or enclosed
Land form: Sand dune
Site description: On spur at Khor Kalba
Dominant species: *Pennisetum divisum*, *Halopeplis perfoliata* ?(Rimram)
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sandy loam
Species remarks: Not many heads, majority immature
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.1 **Ec:** 0.3

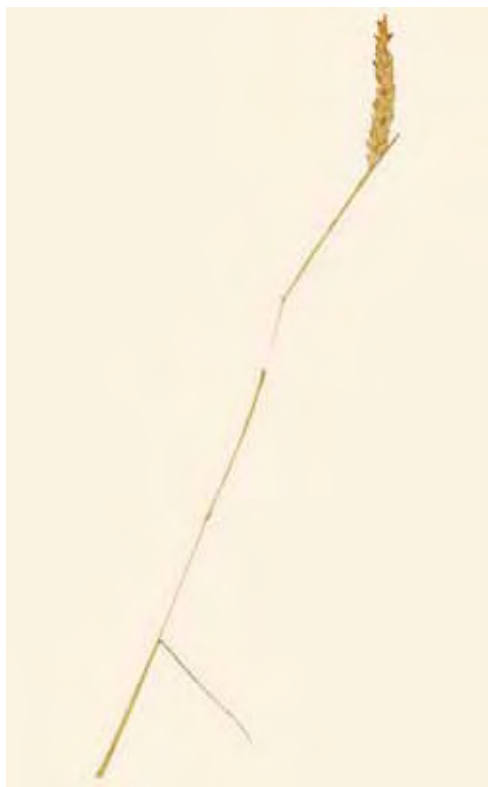


Plate 14-16 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From roundabout at entrance to Khor Khalba Nature Reserve, cross bridge and continue ahead for 200m
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 14-17 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 17 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N23 40 826 **Longitude:** E55 33 929
Location: The first forest on right side on entering Wijan
Habitat: Protected or enclosed
Land form: Sand dune
Site description:
Dominant species:
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 19



Plate 14-18 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 44 405 **Longitude:** E55 36 883
Location: 4.8 km after Abu Dhabi/ Dubai border on Al-Ain to Dubai highway, on left
Habitat: Roadside
Land form: Sand dune
Site description: Drip irrigation and run-off from road
Dominant species: *Pennisetum divisum* and *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks: Only on sand dune
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 0.4



Plate 14-19 UAE - *Pennisetum divisum*

Genus: *Pennisetum* **Family:** Poaceae
Species: *divisum*
Sub-species:
Local name: sabat
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 12 692 **Longitude:** E55 30 112
Location: 3.8 km after Sweihan turn on Al-Ain to Abu-Dhabi road, just before police station on left
Habitat: Roadside
Land form: Sand dune
Site description: Irrigated trees beside road
Dominant species: *Pennisetum divisum*, *Sporobolus spicatus*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 8.1



Plate 15 UAE - *Rhanterium eppaposum*

Genus: *Rhanterium* **Family:** Compositae
Species: *eppaposum*
Sub-species:
Local name:
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dune
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 16 UAE - *Savignya parviflora*

Genus: *Savignya* **Family:** Cruciferae
Species: *parviflora*
Sub-species:
Local name:
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 26 313 **Longitude:** E55 14 722
Location: 6.8 km from Sweihan roundabout on the Sweihan to Abu-Dhabi road, on right
Habitat: Roadside
Land form: Gravel plain
Site description:
Dominant species: Harmel, *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 2.7



Plate 17-1 UAE - *Sphaerocoma aucheri*

Genus: *Sphaerocoma* **Family:** Caryophyllaceae
Species: *aucheri*
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 38 099 **Longitude:** E54 41 604
Location: 3.1 km from bridge on Abu-Dhabi to Al-Rahba, over bridge, straight across roundabout towards the sea
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description: Near sea
Dominant species: *Panicum turgidum*, *Halopeplis perfoliata*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 8.3



Plate 17-2 UAE - *Sphaerocoma aucheri*

Genus: *Sphaerocoma* **Family:** Caryophyllaceae
Species: *aucheri*
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N25 04 239 **Longitude:** E55 08 501
Location: At roundabout at entrance to Emirates Golf Club, turn right, continue for 2 km, turn left for 0.3 km on dirt track
Habitat: Communal grazing
Land form: Inland salt pan (sabkhah)
Site description:
Dominant species: *Pennisetum divisum*, *Panicum turgidum*, *Stipagrostis plumosa*
Grazing pressure: Low seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 3.7



Plate 18-1 UAE - *Sporobolus ioclades*

Genus: *Sporobolus* **Family:** Poaceae
Species: *ioclades*
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N25 04 239 **Longitude:** E55 08 501
Location: At roundabout at entrance to Emirates Golf Club, turn right, continue for 2 km, turn left for 0.3 km on dirt track
Habitat: Communal grazing
Land form: Inland salt pan (sabkhah)
Site description:
Dominant species: *Pennisetum divisum*, *Panicum turgidum*, *Stipagrostis plumosa*
Grazing pressure: Low seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 3.7



Plate 18-2 UAE - *Sporobolus ioclades*

Genus: *Sporobolus* **Family:** Poaceae
Species: *ioclades*
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 38 099 **Longitude:** E54 41 604
Location: 3.1 km from bridge on Abu-Dhabi to Al-Rahba, over bridge, straight across roundabout towards the sea
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description: Near sea
Dominant species: *Panicum turgidum*, *Halopeplis perfoliata*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 8.3



Plate 19-1 UAE - *Sporobolus spicatus*

Genus: *Sporobolus* **Family:** Poaceae
Species: *spicatus*
Sub-species:
Local name:
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Fujairah
Latitude: N25 08 371 **Longitude:** E56 21 314
Location: In plot on North side of Hilton Hotel, Fujairah
Habitat: Disturbed
Land form: Gravel plain
Site description: wasteland area
Dominant species: Annual grasses
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Occasional
Soil texture: Sandy loam
Species remarks: against wall
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.2 **Ec:** 0.4
 Calcareous soil



Plate 19-2 UAE - *Sporobolus spicatus*

Genus: *Sporobolus* **Family:** Poaceae
Species: *spicatus*
Sub-species:
Local name:
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 12 692 **Longitude:** E55 30 112
Location: 3.8 km after Sweihan turn on Al-Ain to Abu-Dhabi road, just before police station on left
Habitat: Roadside
Land form: Sand dune
Site description: Irrigated trees beside road
Dominant species: *Pennisetum divisum*,
Sporobolus spicatus
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks: Found near irrigation points
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 8.1



Plate 19-3 UAE - *Sporobolus spicatus*

Genus: *Sporobolus* **Family:** Poaceae
Species: *spicatus*
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 24 550 **Longitude:** E54 38 134
Location: 1.4 km before roundabout to Abu-Dhabi freight terminal on Abu-Dhabi to Dubai road
Habitat: Roadside
Land form: Sand dune
Site description: Irrigation in planted forest along road
Dominant species: Date palm, Neem, *Panicum turgidum*, *Sporobolus spicatus*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 5.8



Plate 19-4 UAE - *Sporobolus spicatus*

Genus: *Sporobolus* **Family:** Poaceae
Species: *spicatus*
Sub-species:
Local name:
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 44 405 **Longitude:** E55 36 883
Location: 4.8 km after Abu Dhabi/ Dubai border on Al-Ain to Dubai highway, on left
Habitat: Roadside
Land form: Sand dune
Site description: Drip irrigation and run-off from road
Dominant species: *Pennisetum divisum* and *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency: Rare
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 0.4



Plate 19-5 UAE - *Sporobolus spicatus*

Genus: *Sporobolus* **Family:** Poaceae
Species: *spicatus*
Sub-species:
Local name:
Collection date: 15 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Ras Al Khaimah
Latitude: N25 41 731 **Longitude:** E55 47 836
Location: On road from Ajman to Ras Al-Khaimah, 35 km on left from Umm Al-Qaiwain roundabout, opposite Majan Printing and Packaging Co.
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description:
Dominant species: Harim al Jamal
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks: Appears very salt tolerant
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 12
 Calcareous soil



Plate 20-1a UAE - *Stipagrostis* sp.

Genus: *Stipagrostis* **Family:** Poaceae
Species:
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 38 099 **Longitude:** E54 41 604
Location: 3.5 km from bridge on Abu-Dhabi to Al-Rahba, over bridge, straight across roundabout towards the sea
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description: Near sea
Dominant species: *Panicum turgidum*, *Halopeplis perfoliata*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 8.3



Plate 20-1b UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 38 099 **Longitude:** E54 41 604
Location: 3.5 km from bridge on Abu-Dhabi to Al-Rahba, over bridge, straight across roundabout towards the sea
Habitat: Coastal
Land form: Coastal salt pan (sabkhah)
Site description: Near sea
Dominant species: *Panicum turgidum*, *Halopeplis perfoliata*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 8.3



Plate 20-2 UAE - *Stipagrostis* sp.

Genus: *Stipagrostis* **Family:** Poaceae
Species:
Sub-species:
Local name:
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 23 834 **Longitude:** E55 26 351
Location: National Avian Research Centre, Sweihan
Habitat: Protected or enclosed
Land form: Gravel plain
Site description:
Dominant species:
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.5 **Ec:** 3



Plate 20-3 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 51 876 **Longitude:** E55 33 432
Location: 2.5 km before Junction 8 on Dubai to Al-Ain road on right, by restaurant
Habitat: Roadside
Land form: Sand dume
Site description: Drip irrigation
Dominant species: Planted woodland of *Presopis cineraria*, Neem, Arak, also *Pennisetum divisum* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.4



Plate 20-4 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 59 285 **Longitude:** E55 40 235
Location: 13.5 km from Madam roundabout on road to Dubai, both sides of the road
Habitat: Roadside
Land form: Sand dume
Site description:
Dominant species: *Stipagrostis plumosa* and *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.3 **Ec:** 0.3



Plate 20-5 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 01 659 **Longitude:** E55 33 952
Location: 4 km from Al-Haba on road from Al-Haba to Jebel Ali
Habitat: Roadside
Land form: Sand dume
Site description:
Dominant species: *Pennisetum divisum* and *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.4



Plate 20-6 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name:
Collection date: 19 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N25 04 239 **Longitude:** E55 08 501
Location: At roundabout at entrance to Emirates Golf Club, turn right, continue for 2 km, turn left for 0.3 km on dirt track
Habitat: Communal grazing
Land form: Inland salt pan (Sabkhah)
Site description:
Dominant species: *Pennisetum divisum* and *Stipagrostis plumosa*
Grazing pressure: Low seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 3.7



Plate 20-7 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 12 692 **Longitude:** E55 30 112
Location: 3.8 km after Sweihan turn on Al-Ain to Abu-Dhabi road, just before police station on left
Habitat: Roadside
Land form: Sand dume
Site description: Irrigated trees beside road
Dominant species: *Pennisetum divisum*, *Sporobolus spicatus*
Grazing pressure: None seed collected; Y
Species distribution: Clumped
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8 **Ec:** 8.1



Plate 20-8 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N24 00 800 **Longitude:** E56 21 872
Location: From roundabout at entrance to Khor Khalba Nature Reserve, cross bridge and continue ahead for 200m
Habitat: Protected or enclosed
Land form: Sand dume
Site description: On spur at Khor Kalba
Dominant species: *Pennisetum divisum*, *Halopeplis perfoliata* ?(Rimram)
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sandy loam
Species remarks: small plants
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.1 **Ec:** 0.3



Plate 20-9 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 00 800 **Longitude:** E56 21 872
Location: From roundabout at entrance to Khor Khalba Nature Reserve, cross bridge and continue ahead for 200m
Habitat: Protected or enclosed
Land form: Sand dume
Site description: On spur at Khor Kalba
Dominant species: *Pennisetum divisum*, *Halopeplis perfoliata* ?(Rimram)
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sandy loam
Species remarks: small plants
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.1 **Ec:** 0.3



Plate 20-10 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 16 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Dubai
Latitude: N24 44 405 **Longitude:** E55 36 883
Location: 4.8 km after Abu Dhabi/ Dubai border on Al-Ain to Dubai highway, on left
Habitat: Roadside
Land form: Sand dume
Site description: Drip irrigation and run-off from road
Dominant species: *Pennisetum divisum*, *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.9 **Ec:** 0.4



Plate 20-11 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 00 800 **Longitude:** E56 21 872
Location: From roundabout at entrance to Khor Khalba Nature Reserve, cross bridge and continue ahead for 200m
Habitat: Protected or enclosed
Land form: Sand dume
Site description: On spur at Khor Kalba
Dominant species: *Pennisetum divisum*, *Halopeplis perfoliata*? (Rimram)
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Occasional
Soil texture: Sandy loam
Species remarks: small plants
Soil texture: Sandy loam **Rock/stones:** No
pH: 8.1 **Ec:** 0.3



Plate 20-12 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 14 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Sharjah
Latitude: N25 17 146 **Longitude:** E55 41 712
Location: From entrance of Natural History Museum turn right and walk 200m along fence
Habitat: Protected or enclosed
Land form: Sand dume
Site description: Protected for 6 years
Dominant species: *Pennisetum divisum*, *Panicum turgidum*
Grazing pressure: None seed collected; Y
Species distribution:
Species frequency:
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 8.2 **Ec:** 0.3



Plate 20-13 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 26 313 **Longitude:** E55 14 722
Location: 6.8 km from Sweihan roundabout on the Sweihan to Abu-Dhabi road, on right
Habitat: Roadside
Land form: Gravel plain
Site description:
Dominant species: Harmel, *Stipagrostis plumosa*
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.8 **Ec:** 2.7



Plate 20-14 UAE - *Stipagrostis plumosa*

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 17 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N23 58 026 **Longitude:** E55 30 769
Location: 15 km before Al-Arad on Al-Ain to Wijan road
Habitat: Roadside
Land form: Sand dume
Site description:
Dominant species: Harmel, *Stipagrostis plumosa*
Grazing pressure: Low seed collected; Y
Species distribution: Even
Species frequency: Frequent
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.7 **Ec:** 1.3



Plate 20-15 UAE - Stipagrostis plumosa

Genus: *Stipagrostis* **Family:** Poaceae
Species: *plumosa*
Sub-species:
Local name: nussie
Collection date: 18 Mar. 1998
Collectors: Morag Ferguson, Rashed Al-Hantoby
and Ali Al-Mahrzy

Country: UAE **Province:** Abu Dhabi
Latitude: N24 23 834 **Longitude:** E55 26 351
Location: National Avian Research Centre,
Sweihan
Habitat: Protected or enclosed
Land form: Gravel plain
Site description:
Dominant species:
Grazing pressure: None seed collected; Y
Species distribution: Even
Species frequency: Abundant
Soil texture: Sand
Species remarks:
Soil texture: Sand **Rock/stones:** No
pH: 7.5 **Ec:** 3