



Food and Agriculture
Organization of the
United Nations



The International Treaty

ON PLANT GENETIC RESOURCES
FOR FOOD AND AGRICULTURE

Country Report on the implementation of the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA)

OMAN

20/05/2021



ONLINE REPORTING SYSTEM

Second Report on Compliance of ITPGRFA

Online Reporting System on Compliance of the International Treaty on Plant Genetic Resources for Food and Agriculture

Pursuant to Article 21 of the Treaty, the Governing Body approved, at its Fourth Session, the Compliance Procedures that include, among others, provisions on monitoring and reporting: Resolution 2/2011.

According to the Compliance Procedures, each Contracting Party is to submit to the Compliance Committee, through the Secretary, a report on the measures it has taken to implement its obligations under the Treaty. This Online Reporting System facilitates the submission of such information in electronic format.

Should you need any additional information regarding the reporting on compliance or the use of the online system, please visit the Treaty's Website or contact the Secretariat at PGRFA-Treaty@fao.org.

Additional Reporting Information

Name and contact of the reporting officer

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Article 4: General Obligations

1. Are there any laws, regulations procedures or policies in place in your country that implement the Treaty?

Please select only one option

- Yes
 No

1A. If your answer is 'yes', please provide details of such laws, regulations, procedures or policies:

>>> Royal Decrees on The Conservation of Genetic Resources for Food, Agriculture & Nature

Number Royal Decree

1979/26 Issuance a Law of the Natural Protected Areas and National Parks

1979/86 Establishment of the Environmental Protection Council for Pollution Control

1994 /119 Ratification of the Convention of Biological diversity

1995/47 Modify some provisions law of the Natural Protected Areas and National Parks

1996/111 Modification of the Environmental Protection and Pollution Control law

10/1997 Ratification of the Global Plan of action for the Conservation and Sustainable Utilization of Plant Genetic Resources for Food and Agriculture

31/1998 Issuing system prevention and protection of agricultural wealth

2000/91 Law of Agricultural Quarantine

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2001/114 Law on Conservation of the Environment and Prevention of Pollution

2004 /45 Law on Veterinary Quarantine

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2004/ 57 International Treaty on Plant Genetic Resources for Food and Agriculture

2003/ 6 Law on Nature Reserves and Wildlife Conservation

2003/ 8 issuing Pastures and Animal Resources Management Law

2004/48 On setting up the Agriculture and Fisheries Development Fund

2004/35 The order number of Ministry of Agriculture and Fisheries on regulation on execution of the low of plant variety protection

2006/ 6 Establishment of Oman Botanic Garden

2007/4 On ratification of the royal decree number 6/2006 modifying the article number 1 regarding the determination boundaries natural plant habitat called as " Oman botanic garden"

2007/ 86 Establishment of International Plant Genetic Resources Institute (Biodiversity International)

49/2009 Promulgating the Protection of the Breeds' Rights in New Varieties of Plants law

2009/91 To formulate a committee for preparation of the breeds' right in new varieties of pant

70/2014 Approving the Sultanate of Oman's accession to the Near East Plant Protection Organization (NEPPO)

2. Are there any other laws, regulations, procedures or policies in place in your country that apply to plant genetic resources?

Please select only one option

- Yes
 No

2A. If your answer is 'yes', please provide details of such laws, regulations, procedures or policies:

>>> Royal Decrees on The Conservation of Genetic Resources for Food, Agriculture & Nature

Number Royal Decree

1979/26 Issuance a Law of the Natural Protected Areas and National Parks

1979/86 Establishment of the Environmental Protection Council for Pollution Control

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3. Is there any law, regulation, procedure or policy in place in your country that needs to be adjusted / harmonized to ensure conformity with the obligations as provided in the Treaty?

Please select only one option

Yes

No

3A. If your answer is 'yes', please provide details of such adjustments and any plans to make those adjustments:

>>>

Article 5: Conservation, Exploration, Collection, Characterisation, Evaluation and Documentation of Plant Genetic Resources for Food and Agriculture

4. Has an integrated approach to the exploration, conservation and sustainable use of plant genetic resources for food and agriculture (PGRFA) been promoted in your country?

Please select only one option

Yes

No

5. Have PGRFA been surveyed and inventoried in your country?

Please select only one option

Yes

No

5A. If your answer is 'yes', please provide details of your findings, specifying species, sub-species and /or varieties, including those that are of potential use.

>>>

You have attached the following documents to this answer.

[MAF_Collections.docx](#)

5B. If your answer is 'no', please indicate:

Any difficulties encountered in surveying or inventorying PGRFA;

Any action plans to survey and inventory PGRFA;

The most important PGRFA that should be surveyed and inventoried

>>>

6. Has any threat to PGRFA in your country been identified?

Please select only one option

Yes

No

6A. If your answer is 'yes', please indicate:

The species, subspecies and/or varieties subject to such threats;

The sources (causes) of these threats;

Any steps taken to minimise or eliminate these threats;

Any difficulties encountered in implementing such steps;

>>>

7. Has the collection of PGRFA and relevant associated information on those plant genetic resources that are under threat or are of potential use been promoted in your country?

Please select only one option

Yes

No

7A. If your answer is 'yes', please provide details of the measures taken:

>>>

8. Have farmers and local communities' efforts to manage and conserve PGRFA on-farm been promoted or supported in your country?

Please select only one option

Yes

No

8A. If your answer is 'yes', please provide details of the measures taken:

>>> In Sultanate of Oman, seed production was under the direct supervision of agricultural research stations and restricted to Al'Dakhliya region. However, the program was later expanded to cover Al'Sharqiya and Al'Dharhira regions and is now under the direct supervision of the extension service. The Government undertakes the responsibility of seed production, particularly of some important crops such as wheat and

barley.

Most farmers produce their own alfalfa seed. Generally, seed is harvested from alfalfa crop of 4-5 years. This practice of harvesting seed from old stands applies a strong selection pressure in favor of those plants, which have survived several years of cutting. It will tend to ensure that these important 'survival' characteristics are preserved and enhanced in successive multiplication. This may explain in part the widespread reputation of the alfalfa variety known as 'Omani' in the region.

Some farmers produce seeds of local cultivars of vegetables like onion, garlic, carrot, cucumber, muskmelon, and sweet potato, and propagating materials of tree crops like date palm, mango, acid lime and other citrus species.

In fruit crops, the Ministry of Agriculture has established nurseries in the different parts of the country, which undertake the production of seedlings of datepalm, mango, acid lime, and other citrus species and crops. In addition, private nurseries are also engaged in selling propagated materials of some selected fruit crops.

9. Has in situ conservation of wild crop relatives and wild plants for food production been promoted in your country?

Please select only one option

- Yes
 No

9A. If your answer is 'yes', please indicate whether any measures have been taken to:

- Promote in situ conservation in protected areas
 Support the efforts of indigenous and local communities

9B. If such measures have been taken, please provide details of the measures taken:

>>> Conservation of wild PGR in protected areas

In Oman, there exist protected areas under the MoA in the vast rangelands of Dhofar (Southern Oman). These are monitored by the staff of the Rangeland and Forestry Department to conserve and protect rangeland, pasture and wild crop relative species from grazing animals. Currently, MoA has maintained as many as 20 fenced areas in the ranges that cover about 171 ha, which accommodate approximately 177 thousand pasture trees of different species. These areas include several rangeland grass and herb species as well as many wild crop relatives and wild plants for food (MAF, 2005a). Ministry of Environment and Climatic Affairs is simultaneously maintaining reserves of different dimensions throughout Oman from as low as 1 sq. km to as high as 24,785.4 sq. km. that supposedly host wild/ weedy crop relatives and rangeland species. It is expected that with the recent establishment of Steering and Executive Committees of PGR, the activities concerning monitoring and surveying of all the plant species present in these reserves, would be strengthened.

Ecosystem management of PGR outside protected areas

The Government of Oman has established several developmental projects aiming ecosystem management for sustaining biodiversity. For instance, of late, ever-increasing livestock number (camels and cattle) has exerted great pressure on grazing pasture flora of mountains and rangelands of Dhofar region and affected adversely on the integration of the ecosystem. In this respect, the project on ecosystem management for conservation of rangelands in Dhofar has been working on containing huge livestock population. There were 245 thousand cattle and 79 thousand camels during 2004. These populations were lessened significantly (174 thousand cattle and 53 thousand camels) during 2005 (MAF, 2005a), thus reducing the burden on the rangelands. However, such projects need to be continued for sustainable conservation and management of rangeland ecosystems of Oman.

10. Are there any ex situ collections of PGRFA in your country?

Please select only one option

- Yes
 No

10 A. If your answer is 'yes', please provide information on the holder and content of such collections:

>>> Table 2 . List of plant taxa of medicinal importance

Family name Scientific Name Local name Occur in or as

1. Aloeaceae Aloe vera L. Siql or Sabar Rangelands
2. Amaranthaceae Aerva javanica L. Ra' Rangelands
3. Anacardaceae Rhus aucheri Qataf Rangelands
4. Apiaceae Coriandrum sativum L. Cobzra, kabzara or khabzara or Dhania Vegetable
5. Apiaceae Daucus carota Gizr Vegetable
6. Apocynaceae Rhazya stricta Harmal Rangelands
7. Asclepiadaceae Caralluma aucheriana N.E. Br. Dhij Rangelands
8. Asclepiadaceae Leptadenia pyrotechnica Marakh Rangelands
9. Asclepiadaceae Pergularia tomentosa Ghalaqah Rangelands
10. Asclepiadaceae Periploca aphylla Handaboob Rangelands
11. Asteraceae Carthamus tinctorius L. Zafran Field crop
12. Asteraceae Launea nudicaulis L. Hook. Huwah Rangelands

13. Asteraceae Reichardia tingitana L. Halawla or huwwa or makn or murr Rangelands
14. Brassicaceae Anastatica hierochuntica Kaff Al-Maryam Rangelands
15. Brassicaceae Physorhynchus chamaerapistrum Boiss. Khophiz Rangelands
16. Brassicaceae Raphanus sativus L. Fejel or figl or qusm Vegetable
17. Boraginaceae Arnebia hispidissima L. Funn or lish al thor Rangelands
18. Boraginaceae Heliotropium crispum Desf. Rumram Rangelands
19. Burseraceae Boswellia sacra Flueck Luban Rangelands
20. Cactaceae Opuntia ficus-indica sabbar Rangelands
21. Caesalpiniaceae Delonix elata Eyrir Rangelands
22. Caesalpiniaceae Senna italica Ashriq Rangelands
23. Caesalpiniaceae Tamarindus indica L. Sebbar or tamar al-hind Rangelands
24. Capparaceae Cadaba farinose Forsaakal Simar or Surah Rangelands
25. Capparaceae Capparis cartilaginea Decne Lusef, aslub Rangelands
26. Capparaceae Capparis spinosa L. Lisaf or Lusef or fakouha or shafallah Rangelands
27. Capparaceae Cleome amblycarpa L. Mukhaisa Rangelands
28. Capparaceae Cleome rupicola Vicary Mukhaiblutil-shams Rangelands
29. Capparaceae Maerua crassifolia Sarh Rangelands
30. Caricaceae Carica papaya L. Papaya or fifaiy Fruit crop
31. Chenopodiaceae Atriplex halimus L. Rughul Rangelands
32. Chenopodiaceae Cornulaca monocantha L. Thallg Rangelands
33. Chenopodiaceae Haloxylon salicornicum Bunge Rimth Rangelands
34. Chenopodiaceae Sueda aegyptiaca Hasselq. Suwwaida Rangelands
35. Chenopodiaceae Sueda vermiculata Forsskal Suwwaida Rangelands
36. Coniferophyta Juniperus excelsa Al-alan Rangelands
37. Convolvulaceae Cressa cretica Nedewah or shuwuyil Rangelands
38. Cucurbitaceae Citrulus colocynthis Handal Rangelands
39. Cucurbitaceae Citrulus lanatus (Thunb.) Bateekh Vegetable
40. Cucurbitaceae Cucumis sativus Kheyar Vegetable
41. Cucurbitaceae Cucurbita maxima Qar Vegetable
42. Ebenaceae Euclea schimperii Kilit Rangelands
43. Euphorbiaceae Euphorbia balsamifera ssp.adenensis Tikedoha or tiskot or tehekot Rangelands
44. Euphorbiaceae Euphorbia larica Asbaq Rangelands
45. Euphorbiaceae Ricinus communis L. arash or kharwa or khirwa Rangelands
46. Fabaceae Alhagi maurorum L. Aqul or Agul Rangelands
47. Fabaceae Crotalaria aegyptiaca Nizaa Rangelands
48. Fabaceae Taverniera glabra Asmat Rangelands
49. Fabaceae Tephrosia purpurea Dhafra Rangelands
50. Fabaceae Trigonella foenum-graecum Helba Vegetable
51. Fabaceae Indigofera oblongifolia Uzlim Rangelands
52. Fabaceae Medicago sativa L. Qat or get Field crop
53. Labiatae Lavandula dhofarensis Heyem or ekulun or hibun Rangelands
54. Labiatae Lavandula subnuda Sawmar, haraq Rangelands
55. Labiatae Teucrium muscatense Jyaad Rangelands
56. Lamiaceae Mentha longifolia L. Hudson Na'ana Farms
57. Lamiaceae Thymus vulgaris Za'ater Rangelands
58. Lamiaceae Ocimum basilicum L. Basil or Rehan Rangelands
59. Liliaceae Adiantum capillus-veneris L. Khuwaisat-al ma'a Rangelands
60. Liliaceae Allium cepa L. Basal Vegetable
61. Liliaceae Allium sativum L. Thoom Vegetable
62. Liliaceae Asphodelus fistulosus L. Mubsaila Rangelands
63. Lythraceae Lawsonia inermis Henna Rangelands
64. Malpighiaceae Acridocarpus orientalis L. Qaphas Rangelands
65. Meliaceae Azadirachta indica A.Juss Neem, shireesh Rangelands
66. Mimosaceae Acacia ehrenbergiana L. Salam Rangelands
67. Mimosaceae Acacia gerrardii L. Tulh Rangelands
68. Mimosaceae Acacia nilotica L. Qarat or Karat Rangelands
69. Mimosaceae Acacia sinegal L. Thor Rangelands
70. Mimosaceae Acacia tortilis L. Samar Rangelands
71. Mimosaceae Prosopis cineraria L. Gaaf Rangelands
72. Moraceae Ficus cordata sp. Salicifolia Vahl. Lithab Rangelands
73. Moringaceae Moringa perigrina Shuh Rangelands
74. Myrtaceae Myrtus communis L. Yaas or Myrtle or hads Rangelands
75. Oleaceae Olea europaea Itm Rangelands
76. Pedaliaceae Sesamum indicum L. zait simsim or saltt gigilan Field crop
77. Plumbaginaceae Dyerophytum indicum Kuntze Malihla Rangelands
78. Plumbaginaceae Limonium axillare Qataf or gataf Rangelands

79. Poaceae(Gramineae) Cymbopogon schoenanthus Sakhbar Rangelands
80. Poaceae(Gramineae) Pennisetum setaceum Halfa Rangelands
81. Poaceae(Gramineae) Phragmites australis Cav. Aqraban or hajna Rangelands
82. Poaceae(Gramineae) Saccharum officinarum L. Qasab al- sukkar Field crop
83. Polygonaceae Calligonum comosum L.'Herit Abl or Arta Rangelands
84. Polygonaceae Pteropyrum scoparium Sidaf Rangelands
85. Polygonaceae Rumex vesicarius L. Humayda, Humaid Rangelands
86. Polypodiaceae Pteris vittata Khusa-tal ma'a Rangelands
87. Portulacaceae Portulaca oleraceae L. Al-khalqa or barbir or ferfena or humdeh Rangelands
88. Resedaceae Ochradenus baccatus Del. Gurdii or qirdi or qurdi Rangelands
89. Rhamnaceae Zizipus spina-christi Sidr Rangelands
90. Rubiaceae Crucianella membraneaea Muhtadi Rangelands
91. Rutaceae Citrus aurantifolia L Loomi Fruit crop
92. Rutaceae Haplophyllum tuberculatum Tafar al tays Rangelands
93. Salvadoraceae Salvadora persica Raq Rangelands
94. Sapindaceae Dodonaea viscosa Shahs Rangelands
95. Solanaceae Datura metel L. Maranhah Rangelands
96. Solanaceae Lycium shawii Qasad Rangelands
97. Solanaceae Solanum incanum Shrinjiban Rangelands
98. Tamaricaceae Tamarix aphylla Athal Rangelands
99. Verbanaceae Avicennia marina L. Qurm Rangelands
100. Zygophyllaceae Fagonia indica Shikya Rangelands
101. Zygophyllaceae Zygophyllum propinquum Decne Harm Rangelands

11. Has the development of an efficient and sustainable system of ex situ conservation of PGRFA been promoted in your country?

Please select only one option

- Yes
 No

11A. If your answer is 'yes', please indicate the measures taken to promote ex situ conservation, in particular any measures to promote the development and transfer of technologies for this purpose:

>>>

12. Has the maintenance of the viability, degree of variation, and the genetic integrity of ex situ collections of PGRFA been monitoring in your country?

Please select only one option

- Yes
 No

12A. If your answer is 'yes', please provide details of the main conclusions of these monitoring activities

>>>

13. Has your country cooperated with other Contracting Parties, through bilateral or regional channels, in the conservation, exploration, collection, characterization, evaluation or documentation of PGRFA?

Please select only one option

- Yes
 No

13A. If your answer is 'yes', please indicate the other Contracting Parties with whom the cooperation was undertaken (where additional to cooperation through the Governing Body or Treaty mechanisms) and, where possible, details of any relevant projects:

>>> Regional and sub-regional networks, and International Programs

Oman developed several collaborations in respect of conservation and utilization of PGRFA with international organizations like IBPGR (currently, Bioversity International) since early 1980's for the first reconnaissance survey to collect several accessions of indigenous crop species. Other collaborations with international organizations such as ICARDA, Kew Gardens, and the International Institute of Tropical Agriculture (IITA) were involved in collection and conservation of Omani indigenous crop species between 1997 and 2004, through international programs such as ICARDA's Arabian Peninsula Regional Program (APRP). Recently, Ministry of Agriculture has been able to establish Genetic Resources Modeling (GeRMS) for PGR in collaboration with Bioversity International. Besides, the country is also collaborating with other countries of the WANA region through the Ministry of Agriculture along with ICARDA, Bioversity International, Association of Agricultural Research Institutions in the Near East and North Africa (AARINENA) and Global Crop Diversity Trust, to draft an ex situ strategy of the region, which is in the stage of approval. This strategy has emphasized on promoting networks for different crop species of the region based on their common importance. Of late, Oman is also

involved in collaboration with AARINENA through Medicinal and Herbal Plants Network and in the Regional Project on Date Palm Improvement initiated by ICARDA and sponsored by Gulf Cooperative Council (GCC) countries.

Article 6: Sustainable Use of Plant Genetic Resources for Food and Agriculture

14. Are there any policy and legal measures in place in your country that promote the sustainable use of PGRFA

Please select only one option

- Yes
 No

14A. If your answer is 'yes', please indicate whether such policy and legal measures include:

- Pursuing fair agricultural policies that promote the development and maintenance of diverse farming systems that enhance the sustainable use of agricultural biological diversity and other natural resources;
 Strengthening research that enhances and conserves biological diversity by maximizing intra- and inter-specific variation for the benefit of farmers;
 Promoting plant breeding efforts, with the participation of farmers, that strengthen the capacity to develop varieties particularly adapted to social, economic and ecological conditions, including in marginal areas;
 Broadening the genetic base of crops and increasing the range of genetic diversity available to farmers
 Promoting the expanded use of local and locally adapted crops, varieties and underutilised species
 Supporting the wider use of diversity of varieties and species in on-farm management, conservation and sustainable use of crops and creating strong links to plant breeding and agricultural development
 Reviewing and adjusting breeding strategies and regulations concerning variety release and seed distribution

14B. If such policy and legal measures are in place, please provide details of the measures taken and any difficulties encountered in implementing them:

>>> None

Article 7: National Commitments and international Cooperation

15. Has the conservation, exploration, collection, characterization, evaluation, documentation and sustainable use of PGRFA been integrated into your country's programmes and policies?

Please select only one option

- Yes
 No

15A. If your answer is 'yes', please provide details of the integration of such activities:

- Conservation
 Exploration
 Collection
 Characterization
 Evaluation
 Documentation
 Sustainable Use

Please indicate into which type of programmes and policies:

- Agriculture and rural development
 Food security
 Biodiversity conservation
 Climate change
 Other

Additional details:

>>> None

16. Has your country cooperated with other Contracting Parties, through bilateral or regional channels, in the conservation and sustainable use of PGRFA?

Please select only one option

- Yes
 No

16A. If your answer is 'yes', please indicate whether the aim of such cooperation is to:

- Strengthen the capability of developing countries and countries with economies in transition with respect to conservation and sustainable use of PGRFA
 Enhance international activities to promote conservation, evaluation, documentation, genetic enhancement, plant breeding, seed multiplication, and sharing, providing access to and exchanging PGRFA and appropriate information and technology, in conformity with the Multilateral System of Access and Benefit-Sharing under the Treaty

16B. If, in addition to cooperation through the Governing Body or other Treaty mechanisms, your country has cooperated with other Contracting Parties directly or through FAO and other relevant international organizations, please indicate such other Contracting Parties and, where possible, details of any relevant projects:

>>>

Article 8: Technical Assistance

17. Has your country promoted the provision of technical assistance to developing countries and countries with economies in transition, with the objective of facilitating the implementation of the Treaty?

Please select only one option

- Yes
- No
- Not applicable

17A. If your answer is 'yes', please provide details of the measures taken

- Exchange of information
- Access to and transfer of technology
- Capacity building

Please explain:

>>>

18. Has your country received technical assistance with the objective of facilitating the implementation of the Treaty?

Please select only one option

- Yes
- No
- Not applicable

18 A. If your answer is 'yes', please provide details of such technical assistance:

- Exchange of information
- Access to and transfer of technology
- Capacity building

Please explain:

>>>

Article 9: Farmers' Rights

19. Subject to national law, as appropriate, have any measures been taken to protect and promote farmers' rights in your country?

Please select only one option

- Yes
- No

19 A. If your answer is 'yes', please indicate whether such measures were related to:

- Recognition of the enormous contribution that local and indigenous communities and farmers of all regions of the world have made and will continue to make for the conservation and development of plant genetic resources;
- The protection of traditional knowledge relevant to PGRFA
- The right to equitably participate in sharing benefit arising from the utilisation of PGRFA
- The right to participate in making decisions, at the national level, on matters related to the conservation and sustainable use of PGRFA
- Any rights that farmers have to save, use, exchange, and sell farm-saved seed/propagating material

19B. If such measures were taken, please provide details of the measures taken and any difficulties encountered in implementing them:

>>> None

Article 11: Coverage of the Multilateral System

20. Has your country notified all PGRFA listed in Annex I to the Treaty that are under the management and control of your Government and in the public domain as included in the Multilateral System of Access and Benefit-Sharing (MLS)?

Please select only one option

- All
- Partially
- None

20A. If your answer is 'all', please provide details of any difficulties encountered in including Annex 1 PGRFA in the MLS:

>>> None

20B. If your answer is 'partially', please provide details of:

The extent to which Annex 1 PGRFA have been included in the MLS

The crops that have been included in the MLS; and

The difficulties encountered in including Annex 1 PGRFA in the MLS:

>>>

20C. If your answer is 'none', please provide details of the difficulties encountered in including Annex 1 PGRFA in the MLS:

- Lack of guidelines for the identification and inclusion of material;
- There is no national genebank;
- Lack of catalogue of PGRFA in the country;
- Lack of specialised human resources;
- Limited economic resources and the need for capacity building;

Other, please explain:

>>>

21. Has your country taken measures to encourage natural and legal persons within your jurisdiction who hold Annex 1 PGRFA to include those resources in the MLS?

Please select only one option

- Yes
- No

21A. If your answer is 'yes', please provide details of:

The natural or legal persons within your jurisdiction that included Annex 1 PGRFA in the MLS;

The crops that have been included in the MLS by these persons; and

Any difficulties these persons encountered in including Annex 1 PGRFA in the MLS:

>>>

21B. If your answer is 'no', please provide details, in particular details of any difficulties encountered in encouraging these persons to include Annex 1 PGRFA in the MLS:

>>> None

Article 12: Facilitated access to plant genetic resources for food and agriculture within the Multilateral System

22. Has your country taken measures to provide facilitated access to Annex 1 PGRFA, in accordance with the conditions set out in Article 12.4 of the Treaty?

Please select only one option

- Yes
 No

22A. If your answer is 'yes', please provide details of such measures:

>>>

22B. If your answer is 'no', please provide details of any difficulties encountered in providing facilitated access to Annex 1 PGRFA:

>>> Duplicative efforts and financial resources availability for fostering agricultural development through a more sustainable use of PGRFA. All PGRFA stakeholders in Oman need to contribute jointly to the development of this strategy and to formulate objectives, themes and mechanisms of the National Program.

23. Has facilitated access been provided in your country to Annex 1 PGRFA using the Standard Material Transfer Agreement (SMTA)?

Please select only one option

- Yes
 No

23B. If your answer is 'no', please provide details of any difficulties encountered in providing facilitated access to Annex 1 PGRFA using the SMTA:

>>>

24. Has the SMTA been used voluntarily in your country to provide access to non-Annex 1 PGRFA?

Please select only one option

- Yes
 No
 No, but the issue is under consideration

25. Does the legal system of your country provide an opportunity for parties to material transfer agreements (MTAs) to seek recourse in case of contractual disputes arising under such agreements?

Please select only one option

- Yes
 No

25A. If your answer is 'yes', please provide details of the relevant laws, regulations or procedures:

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Number Royal Decree

1979/26 Issuance a Law of the Natural Protected Areas and National Parks

1979/86 Establishment of the Environmental Protection Council for Pollution Control

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2009/91 To formulate a committee for preparation of the breeds' right in new varieties of pant
70/2014 Approving the Sultanate of Oman's accession to the Near East Plant Protection Organization (NEPPO)

26. Does the legal system of your country provide for the enforcement of arbitral decisions related to disputes arising under the SMTA?

Please select only one option

- Yes
 No

26A. If your answer is 'yes', please provide details of the relevant laws, regulations or procedures:

>>>

27. Have there been any emergency disaster situations in respect of which your country has provided facilitated access to Annex 1 PGRFA for the purpose of contributing to the re-establishment of agricultural systems?

Please select only one option

- Yes
 No

27A. If your answer is 'yes', please provide details of such emergency disaster situations and the Annex 1 PGRFA to which access was provided:

>>>

Article 13: Benefit-sharing in the Multilateral System

28. Has your country made any information available regarding Annex I PGRFA?

Please select only one option

- Yes
- No

28A. If your answer is 'yes', please provide details of any information made available regarding Annex 1 PGRFA:

- Catalogues and inventories
- Information on technologies
- Results of scientific and socio-economic research, including characterisation, evaluation and utilisation
- Other

29. Has your country provided or facilitated access to technologies for the conservation, characterisation, evaluation and use of Annex I PGRFA?

Please select only one option

- Yes
- No

29A. If your answer is 'yes', please indicate whether your country:

- Has established or participated in crop-based thematic groups on utilisation of PGRFA
- Is aware of any partnerships in your country in research and development and in commercial joint ventures relating to the material received through the MLS, human resource development and effective access to research facilities.

Please provide details:

>>>

30. Has your country provided for and/or benefitted from capacity building measures in respect of Annex 1 PGRFA?

Please select only one option

- Yes
- No

30A. If your answer is 'yes', please indicate whether such measures were related to:

- Establishing and/or strengthening programmes for scientific and technical education and training in conservation and sustainable use of PGRFA;
- Developing and strengthening facilities for conservation and sustainable use of PGRFA;
- Carrying out scientific research and developing capacity for such research.

30B. If your country provided for and/or benefitted from such measures, please provide details:

>>>

Article 14: Global Plan of Action

31. Has your country promoted the implementation of the Global Plan of Action for the Conservation and Sustainable Use of Plant Genetic Resources for Food and Agriculture?

Please note that this question differs from question 15 as it only concerns Annex I PGRFA and is more specific.

Please select only one option

- Yes
- No

31A. If your answer is 'yes', please indicate whether the implementation of the plan was promoted through:

- National actions
- International cooperation
- Other actions

Please provide details:

>>> No details

Article 15: Ex Situ Collections of Plant Genetic Resources for Food and Agriculture held by the International Agricultural Research Centres of the Consultative Group on International Agricultural Research and other International Institutions

32. Has facilitated access to Annex I PGRFA been provided in your country to the International Agricultural Research Centres of the Consultative Group on International Agricultural Research (IARCs) or other international institutions that have signed agreements with the Governing Body of the Treaty?

Please select only one option

- Yes
 No

32A. If your answer is 'yes', please indicate:

To which IARCs or other international institutions facilitated access was provided;
The number of SMTAs entered into with each IARC or other international institution:
>>>

32B. If your answer is 'no', please provide details of any difficulties encountered in providing facilitated access to Annex 1 PGRFA to IARCs and other international institutions that have signed agreements with the Governing Body of the Treaty

>>> Need training to facilitated access to Annex 1 PGRFA to IARCs and other international institutions

33. Has access to non-Annex I PGRFA been provided in your country to IARCs or other international institutions that have signed agreements with the Governing Body of the Treaty?

Please select only one option

- Yes
 No

33A. If your answer is 'yes', please indicate:

To which IARCs or other international institutions access was provided;
The number of MTAs entered into with each IARC or other international institution:
>>>

33B. If your answer is 'no', please provide details of any difficulties encountered in providing access to non-Annex 1 PGRFA to IARCs and other international institutions that have signed agreements with the Governing Body of the Treaty:

>>> None

Article 16: International Plant Genetic Resources Networks

34. Has your country undertaken any activities to encourage government, private, non- governmental, research, breeding and other institutions to participate in the international plant genetic resources networks?

Please select only one option

Yes

No

34A. If your answer is 'yes', please provide details of such activities:

>>> National activities regarding conservation of plant genetic resources for food and agriculture which are as follows.

1. Surveying, inventorying, and collection of PGRFA- since late 1980s. MAF has collected independently and in coordination with international organizations/institutes indigenous germplasm accessions of vegetables, fruits, forages and pastures crop plants (Guarino, 1989). Besides the Ministry of Heritage and Culture, Royal Gardens and Farms of the Directorate General of Agriculture & Veterinary of the Royal Court and Sultan Qaboos University have been either maintaining botanical gardens involving indigenous plant species or publishing the status of flora and fauna and checklists of plant species in the country highlighting the endangered species (Ghazanfar et al., 1995).

2. MAF is involved consistently in seed production of indigenous crop landraces and selected pasture grass species (Nadaf et.al., 2004a) and multiplication of seedlings of fruit tree species since 1980s and production of date palm offshoots and banana seedlings through tissue culture since 1990s.

3. MOA and Royal Gardens and Farms of the Directorate General of Agriculture & Veterinary of the Royal Court, are currently managing several field genebanks of fruit and rangeland species. Seed Technology Unit of MoA has been recently upgraded to National Gene Bank of Plant Genetic Resources.

4. Under the Royal Decree 6/2006, initial activities have been started to establish the Oman Botanic Garden in Seeb, Muscat by the office of the Advisor for Conservation of the Environment, Diwan of Royal Court. These included listing and collecting of the target plant species.

Article 18: Financial Resources

35. Has your country provided financial resources for national activities for the conservation and sustainable use of PGRFA?

Please select only one option

- Yes
 No

35A. If your answer is 'yes', please provide the estimated amount of funds provided during the last five years, including government resources:

>>> The amount of funds provided during the last five years are not available as there were not separated from other programs.

Most of the funds are technical supports from national and international institutes.

35B. Please indicate if your country has developed a strategy or other measures to enhance the availability, transparency, efficiency and effectiveness of the provision of financial resources to implement the International Treaty:

>>> No strategy for financial resources to implement the International Treaty.

36. Has your country provided financial resources for the implementation of the International Treaty?

Please select only one option

- Yes
 No

36A. If your answer is 'yes', where possible, please provide details of such channels and the amount of the financial resources involved during the last 5 years::

>>>

36B Channel:

- Bilateral
 Regional
 Multilateral

36C. Please provide details:

>>>

37. Has your country received financial resources for the implementation of the International Treaty?

Please select only one option

- Yes
 No

37A. If your answer is 'yes', where possible, please provide details of such channels and the amount of the financial resources involved during the last 5 years:

>>>

37B. Channel:

- Bilateral
 Regional
 Multilateral

37C. Please provide details:

>>>

General remarks on the implementation of the ITPGRFA

38. You may use this box to share any advice you may have arising from your country's experience with implementation of the Treaty:

>>> Assistance from international organizations and exchange of experiences with countries from the region in implementation of the Treaty would be needed.

39. You may use this box to share any additional information that may be useful to provide a broader perspective of difficulties in implementation of the Treaty:

>>> Assistance from international organizations and exchange of experiences with countries from the region in implementation of the Treaty would be needed.

40. You may use this box to share any additional information that may be useful to provide a broader perspective of measures that could help to promote compliance:

>>> None

About this reporting

41. Have you encountered any difficulties in completing this reporting format?

Please select only one option

Yes

No

41A. If your answer is 'yes', please provide details on such difficulties:

>>> Long questionnaire with repeated issues

MAF&WR is the only institute whom deals with PGR in Oman

41B. If you have suggestions for improvement of this reporting format, please share them:

>>> Simplifying and reducing the questions