



Food and Agriculture  
Organization of the  
United Nations

# Global Forest Resources Assessment 2020

Report

**Afghanistan**

Rome, 2020



FAO has been monitoring the world's forests at 5 to 10 year intervals since 1946. The Global Forest Resources Assessments (FRA) are now produced every five years in an attempt to provide a consistent approach to describing the world's forests and how they are changing. The FRA is a country-driven process and the assessments are based on reports prepared by officially nominated National Correspondents. If a report is not available, the FRA Secretariat prepares a desk study using earlier reports, existing information and/or remote sensing based analysis.

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# Introduction

## Report preparation and contact persons

The present report was prepared by the following person(s)

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## Introductory text

Place an introductory text on the content of this report

1 Forest extent, characteristics and changes

1a Extent of forest and other wooded land

National data

Data sources

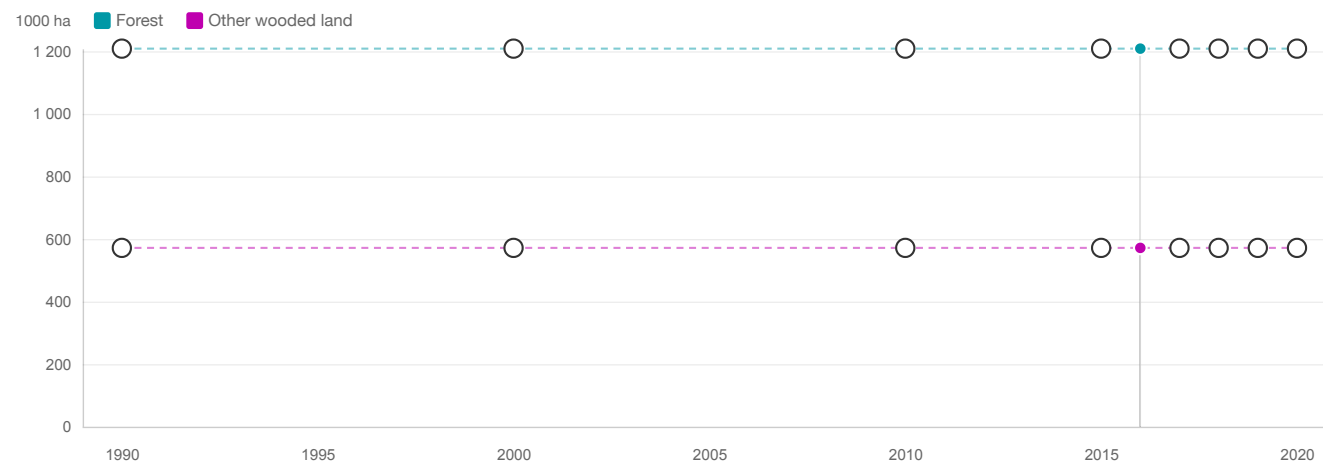
2016	References	The Islamic Republic of Afghanistan Land Cover Atlas, FAO 2016; <a href="http://www.fao.org/3/a-i5457e.pdf">http://www.fao.org/3/a-i5457e.pdf</a> .
	Methods used	Full-cover forest/vegetation maps
	Additional comments	

Classifications and definitions

2016	National class	Definition
	Closed Needleleaved Trees	
	Open Needleleaved Trees	
	Closed to Open Undifferentiated Trees	
	High Shrubs	

Original data and reclassification

2016	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Closed Needleleaved Trees	82.28	100.00 %	0.00 %	0.00 %
	Open Needleleaved Trees	891.76	100.00 %	0.00 %	0.00 %
	Closed to Open Undifferentiated Trees	234.40	100.00 %	0.00 %	0.00 %
	High Shrubs	571.61	0.00 %	100.00 %	0.00 %
	Total	1 780.05	1 208.44	571.61	0.00



FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest (a)	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44
Other wooded land (a)	571.61	571.61	571.61	571.61	571.61	571.61	571.61	571.61	571.61
Other land (c-a-b)	63 505.95	63 505.95	63 505.95	63 505.95	63 505.95	63 505.95	63 505.95	63 505.95	63 505.95
Total land area (c)	65 286.00	65 286.00	65 286.00	65 286.00	65 286.00	65 286.00	65 286.00	65 286.00	65 286.00

The FAOSTAT land area figure for the year 2015 is used for all reference years

Climatic domain	% of forest area 2015	Override value
Boreal	0.00	
Temperate	3.00	
Sub-tropical	97.00	
Tropical	0.00	

Comments

The most recent data from 'The Islamic Republic of Afghanistan Land Cover Atlas, FAO 2016' was used for 2016 national data point and applied to the previous years; available at <http://www.fao.org/3/a-i5457e.pdf>.

1b Forest characteristics

National data

Data sources

2016	References	The Islamic Republic of Afghanistan Land Cover Atlas, FAO 2016; <a href="http://www.fao.org/3/a-i5457e.pdf">http://www.fao.org/3/a-i5457e.pdf</a> .
	Methods used	Full-cover forest/vegetation maps
	Additional comments	

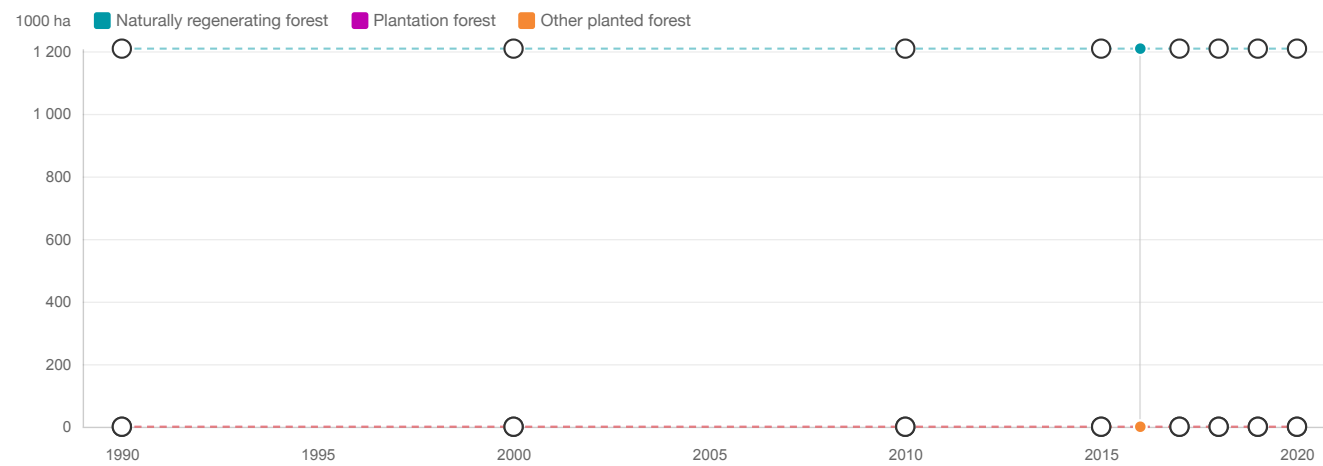
Classifications and definitions

2016	National class	Definition
	Closed Needleleaved Trees	
	Open Needleleaved Trees	
	Closed to Open Undifferentiated Trees	
	High Shrubs	

Original data and reclassification

2016	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Closed Needleleaved Trees	82.28	100.00 %	0.00 %	0.00 %
	Open Needleleaved Trees	891.76	100.00 %	0.00 %	0.00 %
	Closed to Open Undifferentiated Trees	234.40	100.00 %	0.00 %	0.00 %
	Total	1 208.44	1 208.44	0.00	0.00





FRA categories	Forest area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest (a)	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44
<b>Planted forest (b)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Plantation forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
...of which introduced species	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
Other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total (a+b)</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>
<b>Total forest area</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>	<b>1 208.44</b>

## Comments

There may be an unknown area of planted forest reported under Naturally regenerating forest as the data source did no indicate area of planted forest.

## 1c Primary forest and special forest categories

### National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

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Original data

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### Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)				
	1990	2000	2010	2015	2020
Primary forest					
Temporarily unstocked and/or recently regenerated					
Bamboos					
Mangroves					
Rubber wood					

Comments

**1d Annual forest expansion, deforestation and net change**

**National Data**

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

**Analysis and processing of national data**

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha/year)			
	1990-2000	2000-2010	2010-2015	2015-2020
Forest expansion (a)				
...of which afforestation		0.07	0.07	0.07
...of which natural expansion				
Deforestation (b)				
Forest area net change (a-b)	0.00	0.00	0.00	0.00

Comments

## 1e Annual reforestation

### National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

### Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha/year)			
	1990-2000	2000-2010	2010-2015	2015-2020
Reforestation		0.55	0.55	0.55

Comments



# 1f Other land with tree cover

## National Data

### Data sources + type of data source eg NFI, etc

2015 data - Land Cover Atlas

### National classification and definitions

-

### Original data

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## Analysis and processing of national data

### Estimation and forecasting

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### Reclassification into FRA 2020 categories

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FRA categories	Area (1000 ha)				
	1990	2000	2010	2015	2020
Palms (a)					
Tree orchards (b)	20.00	40.00	45.00	117.64	120.00
Agroforestry (c)	0.11	0.10	0.15	0.14	0.62
Trees in urban settings (d)					
Other (specify in comments) (e)					
Total (a+b+c+d+e)	20.11	40.10	45.15	117.78	120.62
Other land area	63 505.95	63 505.95	63 505.95	63 505.95	63 505.95

Comments

## 2 Forest growing stock, biomass and carbon

### 2a Growing stock

#### National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

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#### Analysis and processing of national data

Estimation and forecasting

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Reclassification into FRA 2020 categories

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FRA categories	Growing stock m³/ha (over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest									
Planted forest									
...of which plantation forest									
...of which other planted forest									
Forest									
Other wooded land									

FRA categories	Total growing stock (million m³ over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest									
Planted forest									
...of which plantation forest									
...of which other planted forest									
Forest									
Other wooded land									

Comments

2b Growing stock composition

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

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Analysis and processing of national data

Estimation and forecasting

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Reclassification into FRA 2020 categories

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FRA categories	Scientific name	Common name	Growing stock in forest (million m³ over bark)				
			1990	2000	2010	2015	2020
Native tree species							
#1 Ranked in terms of volume	Quercus SPP	Oak					
#2 Ranked in terms of volume	Juglans regia	Walnut					
#3 Ranked in terms of volume	Pinus SPP	Pinus					
#4 Ranked in terms of volume	Cedrus deodora	Cedar					
#5 Ranked in terms of volume	Pecia smithiana	Pecia					
#6 Ranked in terms of volume	Abies spictablis	Abies					
#7 Ranked in terms of volume	Juniperous SPP	Juniper					
#8 Ranked in terms of volume	Populus SPP	Populus					
#9 Ranked in terms of volume							
#10 Ranked in terms of volume							
Remaining native tree species							
Total volume of native tree species			–	–	–	–	–
Introduced tree species							
#1 Ranked in terms of volume							
#2 Ranked in terms of volume							
#3 Ranked in terms of volume							
#4 Ranked in terms of volume							
#5 Ranked in terms of volume							
Remaining introduced tree species							

FRA categories	Scientific name	Common name	Growing stock in forest (million m³ over bark)				
			1990	2000	2010	2015	2020
Native tree species							
Total volume of introduced tree species			–	–	–	–	–
Total growing stock			–	–	–	–	–

Comments

## 2c Biomass stock

### National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

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Original data

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### Analysis and processing of national data

Estimation and forecasting

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Reclassification into FRA 2020 categories

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FRA categories	Forest biomass (tonnes/ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Above-ground biomass									
Below-ground biomass									
Dead wood									

Comments

## 2d Carbon stock

### National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

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Original data

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### Analysis and processing of national data

Estimation and forecasting

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Reclassification into FRA 2020 categories

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FRA categories	Forest carbon (tonnes/ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Carbon in above-ground biomass									
Carbon in below-ground biomass									
Carbon in dead wood									
Carbon in litter									
Soil carbon									

Soil depth (cm) used for soil carbon estimates	
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Comments

3 Forest designation and management

3a Designated management objective

National Data

Data sources + type of data source eg NFI, etc

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National classification and definitions

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Original data

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Analysis and processing of national data

Estimation and forecasting

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Reclassification into FRA 2020 categories

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Primary designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production (a)					
Protection of soil and water (b)					
Conservation of biodiversity (c)		5.00	60.00	95.00	95.00
Social Services (d)					
Multiple use (e)					
Other (specify in comments) (f)					
None/unknown (g)	1 208.44	1 203.44	1 148.44	1 113.44	1 113.44
Total forest area	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44

Total area with designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production					
Protection of soil and water					
Conservation of biodiversity		5.00	60.00	95.00	95.00
Social Services					
Other (specify in comments)					

Comments

3b Forest area within protected areas and forest area with long-term management plans

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

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Original data

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Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest area within protected areas									
Forest area with long-term forest management plan						16.00	16.00	17.00	18.00
...of which in protected areas									

Comments

## 4 Forest ownership and management rights

### 4a Forest ownership

#### National Data

**Data sources + type of data source eg NFI, etc**

Tandon, J. C. 1988. Forest and Forestry in Afghanistan. Sector Review. AFG/86/011. FAO.

**National classification and definitions**

-

**Original data**

-

#### Analysis and processing of national data

**Estimation and forecasting**

-

**Reclassification into FRA 2020 categories**

-



FRA categories	Forest area (1000 ha)			
	1990	2000	2010	2015
Private ownership (a)	0.00	0.00	0.00	0.00
...of which owned by individuals	0.00	0.00	0.00	0.00
...of which owned by private business entities and institutions	0.00	0.00	0.00	0.00
...of which owned by local, tribal and indigenous communities	0.00	0.00	0.00	0.00
Public ownership (b)	1 208.44	1 208.44	1 208.44	1 208.44
Unknown/other (specify in comments) (c)	0.00	0.00	0.00	0.00
Total forest area	1 208.44	1 208.44	1 208.44	1 208.44

## Comments

Afghanistan forest depends on government and the user right is belongs to public

4b Holder of management rights of public forests

National Data

Data sources + type of data source eg NFI, etc

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National classification and definitions

-

Original data

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Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Forest area (1000 ha)			
	1990	2000	2010	2015
Public Administration (a)	1 208.44	1 208.44	1 208.44	1 208.44
Individuals (b)	0.00	0.00	0.00	0.00
Private business entities and institutions (c)	0.00	0.00	0.00	0.00
Local, tribal and indigenous communities (d)	0.00	0.00	0.00	0.00
Unknown/other (specify in comments) (e)	0.00	0.00	0.00	0.00
Total public ownership	1 208.44	1 208.44	1 208.44	1 208.44

Comments

5 Forest disturbances

5a Disturbances

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)																	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Insects (a)																	0.40	0.15
Diseases (b)											0.30							
Severe weather events (c)	0.20																5.00	0.05
Other (specify in comments) (d)																		
Total (a+b+c+d)	0.20	–	–	–	–	–	–	–	–	–	0.30	–	–	–	–	–	5.40	0.20
Total forest area	1 208.44	–	–	–	–	–	–	–	–	–	1 208.44	–	–	–	–	1 208.44	1 208.44	1 208.44

Comments

5b Area affected by fire

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)																	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total land area affected by fire										0.10	0.30	0.10	0.20	0.20	0.10	0.10	0.10	0.20
...of which on forest																		

Comments

5c Degraded forest

Does your country monitor area of degraded forest		Yes
If "yes"	What is the national definition of "Degraded forest"?	Loosing the capacity of forests products and its qualtiy and density.
	Describe the monitoring process and results	Through visits to forests areas by field forest officers and reporting to forest directorate.

Comments



6 Forest policy and legislation

6a Policies, Legislation and national platform for stakeholder participation in forest policy

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Indicate the existence of	Boolean (Yes/No)	
	National	Sub-national
Policies supporting SFM	Yes	Yes
Legislations and regulations supporting SFM	Yes	Yes
Platform that promotes or allows for stakeholder participation in forest policy development	Yes	Yes
Traceability system(s) for wood products	No	No

Comments

6b Area of permanent forest estate

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

FRA 2020 categories	Forest area (1000 ha)					
	Applicable?	1990	2000	2010	2015	2020
Area of permanent forest estate	Yes	1 208.44	1 208.44	1 208.44	1 208.44	1 208.44

Comments

7 Employment, education and NWFP

7a Employment in forestry and logging

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

FRA 2020 categories	Full-time equivalents (1000 FTE)											
	1990			2000			2010			2015		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Employment in forestry and logging												
...of which silviculture and other forestry activities												
...of which logging												
...of which gathering of non wood forest products												
...of which support services to forestry												

Comments

## 7b Graduation of students in forest-related education

### National Data

Data sources + type of data source eg NFI, etc

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National classification and definitions

-

Original data

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FRA 2020 categories	Number of graduated students											
	1990			2000			2010			2015		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Doctoral degree												
Master's degree												
Bachelor's degree	220.00	20.00	200.00	250.00	30.00	220.00	250.00	30.00	220.00	300.00	50.00	250.00
Technician certificate / diploma							180.00	20.00	160.00	400.00	100.00	300.00
Total												

Comments



## 7c Non wood forest products removals and value 2015

### National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

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	Name of NWFP product	Key species	Quantity	Unit	Value (1000 local currency)	NWFP category
#1	Pistachio	pistatia vera	45 691	Metric Ton	335 067	1 Food
#2	Pinus	Pinus gerardiana	23 000	Metric Ton	223 000	1 Food
#3	Hing	Ferula assafoetida	355	Metric Ton	35 500	13 Raw material for medicine
#4	Licorice	glyceyrhiza glabra	40 264	Metric Ton	54 800	3 Raw material for medicine and aromatic products
#5						
#6						
#7						
#8						
#9						
#10						
All other plant products						
All other animal products						
Total					648 367	

Name of currency	USD
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Comments

8 Sustainable Development Goal 15

8a Sustainable Development Goal 15

SDG Indicator 15.1.1 Forest area as proportion of total land area 2015

Indicator	Percent							
	2000	2010	2015	2016	2017	2018	2019	2020
Forest area as proportion of total land area 2015	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85

Name of agency responsible	General Directorate of Natural resources management of Agriculture ministry
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SDG Indicator 15.2.1 Progress towards sustainable forest management

Sub-Indicator 1	Percent						
	2000-2010	2010-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Forest area annual net change rate	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of agency responsible	General Directorate of Natural resources management of Agriculture ministry
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Sub-Indicator 2	Forest biomass (tonnes/ha)							
	2000	2010	2015	2016	2017	2018	2019	2020
Above-ground biomass stock in forest	–	–	–	–	–	–	–	–

Name of agency responsible	
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Sub-Indicator 3	Percent (2015 forest area baseline)							
	2000	2010	2015	2016	2017	2018	2019	2020
Proportion of forest area located within legally established protected areas	–	–	–	–	–	–	–	–

Name of agency responsible	General Directorate of Natural resources management of Agriculture ministry
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Sub-Indicator 4	Percent (2015 forest area baseline)							
	2000	2010	2015	2016	2017	2018	2019	2020
Proportion of forest area under long-term forest management plan	–	–	–	–	1.32	1.32	1.41	1.49

Name of agency responsible	
----------------------------	--

Sub-Indicator 5	Forest area (1000 ha)							
	2000	2010	2015	2016	2017	2018	2019	2020
Forest area under independently verified forest management certification schemes	0.00	0.00	0.00	0.00	0.00	0.00	–	–