

REPUBLIC OF TÜRKİYE  
MINISTRY OF AGRICULTURE AND FORESTRY  
GENERAL DIRECTORATE OF FORESTRY

2022

GENERAL DIRECTORATE OF FORESTRY  
ACTIVITY REPORT

**GENERAL DIRECTORATE OF FORESTRY**  
**ADMINISTRATIVE ACTIVITY REPORT 2022**

**FEBRUARY 2023**

**DEPARTMENT OF STRATEGY DEVELOPMENT**  
**ANKARA/2023**



## MINISTER'S PRESENTATION

Factors such as climate change, population growth, geopolitical risks, epidemics, extreme destruction of the environment and nature require the agriculture and forestry sector to prepare for the future with a new approach. Due to these global events and geopolitical developments in our region, the importance

of sustainable forest management is increasing day by day.

Forests are among the important natural resources. However increasing global problems such as industrialization, increasing urban population, global climate change and destruction of biodiversity also threaten forests.

Economic, environmental and social developments in our country, as in the world, have significantly increased the demands and expectations for forest resources. Forests, which until recently were seen as a source of wood production, are now on the agenda with their ecological-social services and protective-environmental functions.

Considering the biological and technical characteristics and ecological, economic, social, cultural and managerial dimensions of forest management within an ecosystem integrity taking into consideration the demands of society and the structure of the country's forests is the basic approach of today's forestry understanding.

Our country has the distinction of being one of the rare countries that can increase its forest assets. Multipurpose afforestation and soil conservation works have been carried out on suitable areas, thus preventing erosion and sediment transport and creating new recreation and ecotourism areas, new carbon sinks and oxygen sources while forest areas have been increased. In addition, it is aimed to contribute to the local economy by afforestation, especially using income-generating species.

In this context, projects and action plans prepared for the whole country and including the determined priority activity areas have been put into practice.

**Prof. Dr. Vahit KİRİŞÇİ**  
Minister



## GENERAL DIRECTOR'S PRESENTATION

The primary goal of the General Directorate, which is responsible for protecting, developing and expanding forests and forest resources, and managing them in a sustainable manner within the integrity of the ecosystem and so as to provide multifaceted benefits to the society, is to be a leading institution in sustainable forest management practices.

Within this framework, 17 strategic targets, 48 strategies and 42 performance indicators were determined under 4 strategic goals for the period 2019-2023, and the budget is associated with the goals and targets included in the strategic plan.

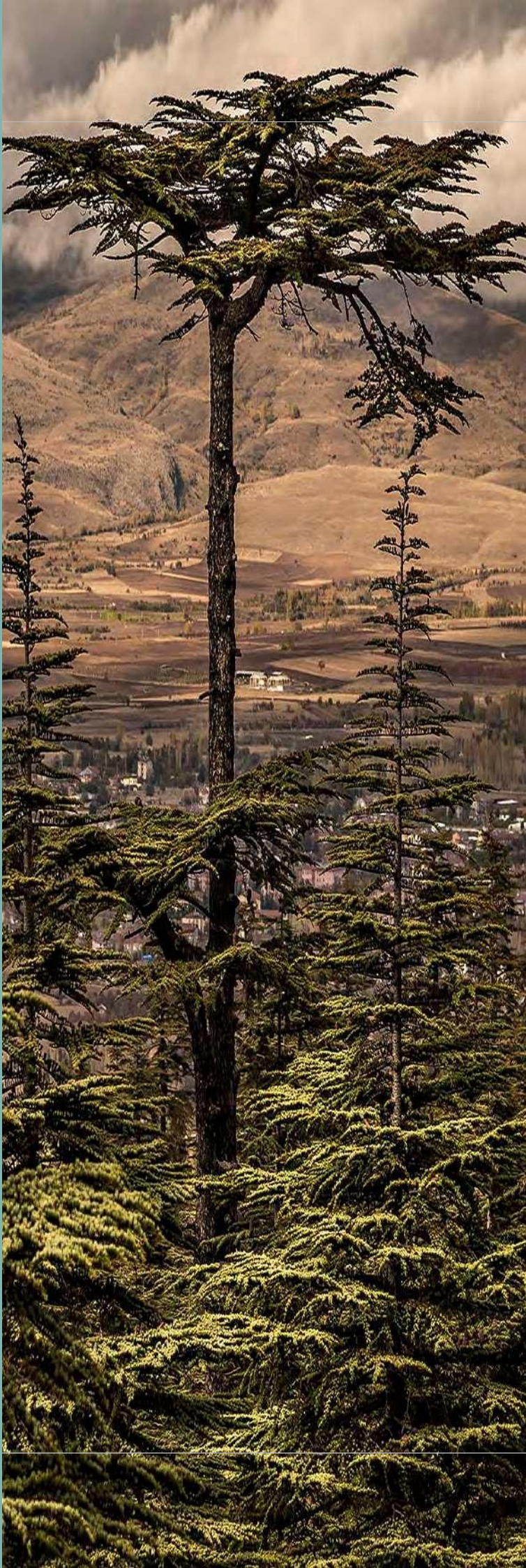
The 2022 programme was prepared considering the programmes and sub-programmes approved by the Presidency, and the prepared programme was supported by work programmes.

Protecting forests against biotic and abiotic pests, ensuring the sustainability of forest existence, developing the existing forests, increasing the forest existence and productive forest areas, ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products, controlling soil loss caused by erosion, landslides and similar reasons and increasing the improved pasture areas by monitoring the health of forest ecosystems, and improving quality of life, increasing the diversity of income sources and providing employment by contributing to the socioeconomic development of forest villagers have been among our priority targets in the programme period.

The activities and/or projects included in the programme for the determined targets have been implemented and resources of a total of TRY 35,998,511,261 were used. TRY 9,444,826,348, which constitutes 26.2% of the resources used, has been paid from the special budget, and TRY 26,553,684,913, which constitutes 73.8% thereof, has been paid from the revolving fund.

I hope that the Annual Activity Report 2022 of the General Directorate of Forestry, which is one of the important tools of accountability and contains a summary of the services and activities we have carried out in 2022, will be useful for informing all interested parties and the public.

**Bekir KARACABEY**  
General Director



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## I. GENERAL INFORMATION

### A. Mission and Vision

#### OUR MISSION

To protect forests and forest resources, to develop them with an understanding close to nature, and to manage them in a way that is sustainable

#### OUR VISION

To be a leading institution in sustainable forest management practices

### B. Authorities, Duties and Responsibilities

The principles and procedures regarding the establishment, organization, duties and authorities of the General Directorate of Forestry are regulated by the “Presidential Decree on the Organization of the Institutions and Organizations Associated, Related and Affiliated to the Ministries and Other Institutions and Organizations”, and in Article 334 of the aforesaid Decree, the duties of the General Directorate of Forestry are listed as follows:

- To manage forest resources within the ecosystem integrity, together with plant and animal existence, taking into account their ecological, economic and sociocultural benefits, to plan in a participatory and multi-purpose manner, to protect against illegal interventions, natural disasters and fires, to control various pests and to have them controlled, to conduct and develop forestry quarantine services, to increase forest areas and forest-related services, to develop and improve forests, to ensure silvicultural maintenance and regeneration.
- To carry out actions and procedures related to the ownership of forests and cadastral, permission and easement activities.
- To ensure sustainability of forest products and services and to manage forests according to technical, sociocultural, ecological and economic requirements, to carry out the production, transportation and storage of forest products and to market such products domestically and internationally.
- **(Amended: Official Gazette-5/2/2022-31741-Presidential Decree-Article 90/1)** To ensure the separation, protection and operation of recreational areas, urban forests, forest parks, research forests, arboretums, in-forest biodiversity protection areas, model forests and conserved forest areas.
- To carry out afforestation, erosion control, forest-related pasture improvement activities, and activities to combat desertification and flood and avalanche control activities, and to prepare and implement integrated basin projects, on all types of land within or outside the forest boundaries.
- To produce seeds and saplings of forest trees, shrubs and plant species belonging to the flora, to carry out grafting activities, to establish and operate permanent or temporary nurseries and to close them when necessary.
- To support natural and legal persons to establish, operate and market nurseries through special afforestation, reconstruction and erosion control activities.
- To establish and operate revolving fund enterprises and other necessary units in order to ensure maximum benefit from the products and services offered by forest ecosystems, to close them when necessary, to purchase or lease all kinds of materials, parcels, lands, buildings, facilities and installations, to make exchanges when necessary, to carry out their maintenance and repair works, to provide the machines and service vehicles required by the services, to carry out their maintenance and revision works, to carry out all kinds of infrastructure works in the forests, to conduct survey projects of the roads required for forestry activities, to carry out maintenance and repair works.
- To provide all kinds of pre-service and in-service training required by the services, to establish and operate institutes, directorates, research units, training centers and social facilities that will serve at local, national and global levels, regarding the services within the scope of the field of activity of the General Directorate.

- To carry out all kinds of research and development, inventory, printing, publication and promotional activities and projects related to its services and to market the results thereof at home and abroad.
- To carry out activities to popularize the use of forest products and services, to work in close cooperation with the private sector organizations, non-governmental organizations and universities that produce, process, market, import and export all kinds of forest products, to provide consultancy and implement projects at home and abroad, to carry out all kinds of activities to raise public awareness regarding forests and forestry.
- **(Added: Official Gazette-19/6/2019-30806-Presidential Decree-Article 39/4)** To ensure the dissemination of forestry activities to large masses and to provide transfer assistance to forest youth and sports clubs in order to raise public awareness about the prevention of fires, not to exceed two thousandths of the revolving fund budget at the beginning of the relevant year.
- To carry out expropriation, transfer and, when necessary, exchange of immovable properties owned by public institutions and organizations in order to bring the immovable properties owned by natural and legal persons under the forest regime in order to ensure forest integrity, to support the villagers living in and next to state forests with in-kind and in-cash aid resources, to develop forest-public relations and to take all kinds of actions in this regard.
- To determine the technical and administrative principles on the subjects within its field of activity, to establish laboratories related to the activity subjects and have them established, to make job descriptions and unit time analyses, to have them made and to determine unit prices.
- To determine the principles to be followed by other public institutions and organizations regarding the duties, services and activities of the General Directorate and to ensure coordination.
- To perform other duties and services as required by the legislation

## C. Administrative Information

### 1. Physical Structure

The General Directorate of Forestry carries out forestry services in a total of 25,985 buildings, 20,991 of which are registered with the special budget and 4,994 with the revolving fund, and has 2,995 underground and aboveground structures as well as a land covering an area of 37,451,540 m<sup>2</sup> against 4,840 title deeds.<sup>1</sup>

The central units operate in the premises of the General Directorate of Forestry, located in Ankara Province, Yenimahalle District, Söğütözü Locality, block no. 7,638, parcel no. 27.<sup>2</sup>

There are 8,576 vehicles and machines in the machinery park, including 2,369 service vehicles, 5,121 construction and protection machines and 1,086 production machines.

**Table 1: Number of Vehicles in the Machinery Park, 2022**

	Special Budget	Revolving Fund	TOTAL
	Number	Number	Number
<b>Service Vehicles</b>	<b>2,360</b>	<b>9</b>	<b>2,369</b>
Automobiles	22		22
4X4 Pick-ups	2,100	8	2,108
4X4 Station Wagons	168	1	169
Midibuses	2		2
Minibuses	40		40

<sup>1</sup> Immovable properties owned, used or managed by the General Directorate of Forestry were registered in immovable property and accounting records within the framework of the "Regulation on the Registration of Immovable Properties Owned by Public Administrations" and the "Implementation Directive for the Registration of Immovable Properties Owned, Managed or Used by the General Directorate of Forestry". In addition, an inventory of immovable properties is kept electronically with the Forest Information System (ORBIS) immovable property module, and an income of a total of TRY 48,115,105 was collected in 2022 from the immovable properties (excluding highland houses) that were determined to be surplus and rented out.

Also, in accordance with the 1st paragraph of Article 17 of the Forest Law No. 6831 and the Regulation on the Identification and Management of Highland Areas in State Forests, 384 highland areas with a total area of 10,011 hectares were declared in 20 Regional Directorates of Forestry to date. 15,017 buildings and facilities located on 384 highland areas were included in fixed assets, 12,331 buildings and facilities were rented out to users, and an income of TRY 11,271,293 was obtained in 2023.

<sup>2</sup> The premises with a closed area of 73,463 m<sup>2</sup> have 4 seminar and 1 conference halls, meeting halls, work offices, a fire operations center, a nursery, a guest house, an indoor sports hall, social facilities, a staff cafeteria, a parking garage for 524 vehicles and a parking lot for 180 vehicles, an archive room, a warehouse and a place of worship.

	<b>Special Budget</b>	<b>Revolving Fund</b>	<b>TOTAL</b>
	Number	Number	Number
Funeral Vehicles	1		1
Fire Command Vehicles	19		19
Auxiliary Vehicles (WCs, Kitchens, Caravans)	8		8
<b>Construction and Protection Machines</b>	<b>4,568</b>	<b>554</b>	<b>5,121</b>
Dozers	77	111	188
Graders	91	210	301
Loaders	13	14	27
Trailers	98	2	100
Water Supply Vehicles	308		308
Excavators	35	115	150
Mini Excavators	60	66	126
Fire Extinguishing Vehicles	1,050		1,050
First Response Vehicles	2,283		2,283
Oil Tankers	5		5
Rescue Vehicles (UTV)	1	2	3
Motorcycles	468	1	469
ATV Motorcycles	35	26	61
Electric Motorcycles		4	4
Mobile Repair Vehicles	28		28
Water Tankers	15		15
Cylinders		3	3
<b>Production Machines</b>	<b>761</b>	<b>325</b>	<b>1,086</b>
Loaders and Stackers	6	6	12
4X2 Tractors	185	12	197
4X4 Tractors	217	84	301
Skidders	25	9	34
Air Lines	7	3	10
4x4 Bucket Mounted Tractors	108	1	109
4x2 Bucket Mounted Tractors	9	180	189
Tree Diggers and Planters	4		4
Sapling Diggers and Planters	16	9	25
Garden Tractors	66	21	87
Trucks	118		118
<b>TOTAL</b>	<b>7,689</b>	<b>888</b>	<b>8,576</b>

Approximately 27% of the existing vehicles are service vehicles, 60% are construction and protection machines, 13% are production machines, and 58% are in the age group of 10 and above.

**Chart 1: Distribution of Vehicles and Machines by Type and Age, 2022**

Service Vehicles Construction and Protection Machines Production Machines

0-10 Years 10-15 Years 15-20 Years +20 Years



## 2. Organizational Structure

The central organization of the General Directorate of Forestry consists of the service units. The central organization has a Department of Inspection Board, Department of Legal Consultancy, Department of Internal Audit, 19 departments and a total of 118 branch directorates affiliated to these departments.

The provincial organization is directly connected to the center with 30 Regional Directorates of Forestry and consists of 12 Research Institute Directorates, 9 of which operate on general forestry issues and at the regional level, and 3 of which operate on a subject basis and throughout the country.

### REGIONAL DIRECTORATES OF FORESTRY

01 ADANA	07 BALIKESİR	13 ESKİŞEHİR	19 KASTAMONU	25 KONYA
02 SAKARYA	08 BOLU	14 GİRESUN	20 MERSİN	26 KAYSERİ
03 AMASYA	09 BURSA	15 ISPARTA	21 MUĞLA	27 ŞANLIURFA
04 ANKARA	10 DENİZLİ	16 İSTANBUL	22 TRABZON	28 ÇANAKKALE
05 ANTALYA	11 ELAZIĞ	17 İZMİR	23 ZONGULDAK	29 SİNOP
06 ARTVİN	12 ERZURUM	18 KAHRAMANMARAŞ	24 KÜTAHYA	30 HATAY

### FORESTRY RESEARCH INSTITUTE DIRECTORATES

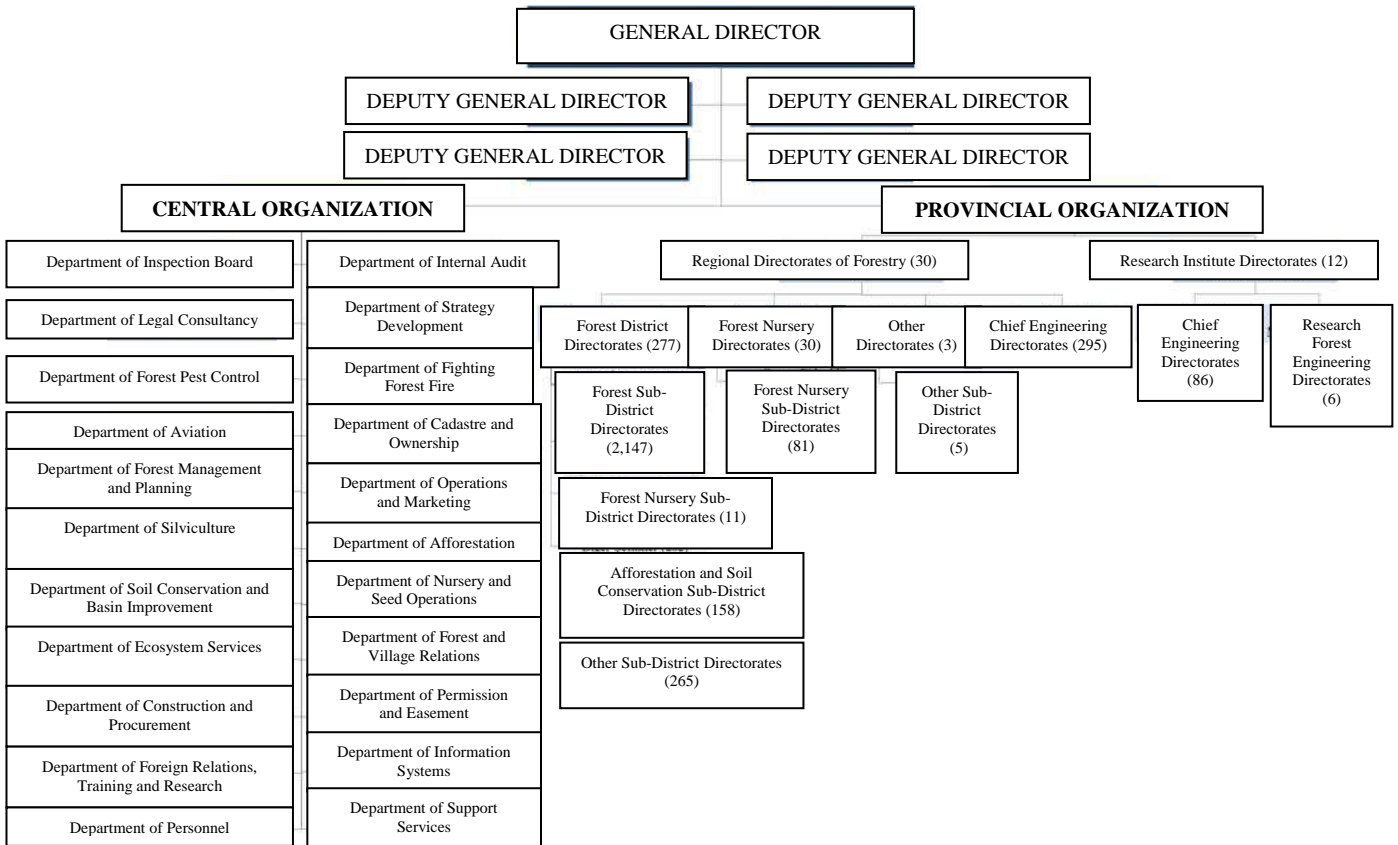
#### Research Institute Directorates operating on a subject basis and throughout the country

01 Research Institute Directorate for Poplars and Fast-Growing Forest Trees	İZMİT/KOCAELİ
02 Research Institute Directorate for Improvement of Forest Tress and Seeds	ANKARA
03 Research Institute Directorate for Forest Soil and Ecology	ESKİŞEHİR

#### Research Institute Directorates operating on general forestry issues and at the regional level

1 Western Mediterranean Forestry Research Institute Directorate	ANTALYA
2 Western Black Sea Forestry Research Institute Directorate	BOLU
3 Eastern Mediterranean Forestry Research Institute Directorate	TARSUS/MERSİN
4 Eastern Anatolian Forestry Research Institute Directorate	ERZURUM
5 Eastern Black Sea Forestry Research Institute Directorate	TRABZON
6 Aegean Forestry Research Institute Directorate	URLA/İZMİR
07 Southeastern Anatolian Forestry Research Institute Directorate	ELAZIĞ
8 Central Anatolian Forestry Research Institute Directorate	ANKARA
9 Marmara Forestry Research Institute Directorate	İSTANBUL

Figure 1: Organizational Structure, December 2022<sup>3</sup>



### 3. Technology and Information Infrastructure

Within the scope of the Forest Information System (ORBIS) Project, which was launched in 2011, a total of 41 modules were completed, the use of the modules by the units was expanded and web, desktop and mobile applications were developed.

Table 2: Information about the Network Infrastructure and System Room, 2022

Unit Name	Network Infrastructure and System Room		Network Key (Switch)	Firewall
	Number of Units	Scope	Number of Units	Number of Units
General Directorate of Forestry (Center)	1	1,250 Modules	216	2
Regional Directorates of Forestry	30	10,890 Modules	296	
Research Institute Directorates of Forestry	9	329 Modules	8	
Forest District Directorates	264	10,570 Modules	400	
Forest Nursery Directorates	25	233 Modules	26	
Forest Sub-District Directorates and Other Sub-District Directorates	404	250 Modules	404	

<sup>3</sup> In 2022, 1 department and 7 branch directorates were established, 7 branch directorates were closed, and 1 department and 8 branch directorates had their names changed in the central organization.

<sup>4</sup> 4 forest district directorates, 6 forest sub-district directorates, 1 afforestation and soil conservation sub-district directorate, 18 cadastre and ownership sub-district directorates, 3 training sub-district directorates, 11 warehouse sub-district directorates, 1 ecosystem services sub-district directorate, 1 repair and maintenance sub-district directorate, 2 electronics and communications sub-district directorates and 1 real estate sub-district directorate were closed in the provincial organization. In addition, 4 forest district directorates, 38 forest sub-district directorates, 2 real estate sub-district directorates, 2 cadastre and ownership sub-district directorates, 1 warehouse sub-district directorate, 2 afforestation and soil conservation sub-district directorates and 1 forest nursery sub-district directorate had their connections changed, 3 regional directorates of forestry, 2 forest district directorates, 2 forest nursery directorates and 9 forest sub-district directorates had their borders changed, 1 afforestation and soil conservation sub-district directorate had its responsibility area changed, and 30 branch directorates and 1 warehouse sub-district directorate had their names changed.

**Table 3: Information about the Inventory of Hardware and Peripherals, 2022**

Hardware	Number	Server Name	Number	Current Storage Capacity	Capacity (TB)
Laptop Computers	5,866	Physical Server	21	General Capacity	2,400
Desktop Computers	16,530				
Monitors	16,655				
Tablets	3,498				
Photocopy Machines	501				
Printers	7,898				

#### 4. Human Resources

The number of officers, contract employees, permanent workers and temporary workers employed in the central and provincial units of the General Directorate of Forestry is 44,200.

**Table 4: Statuses and Numbers of Employees, 2018-2022**

	Officers	Contract Employees	Permanent Workers	Temporary Workers	TOTAL
2018	16,494	816	10,667	8,129	36,106
2019	15,908	786	9,385	7,975	34,054
2020	15,334	5,564	9,089	8,197	38,184
2021	14,632	5,544	8,436	10,090	38,702
2022	14,257	7,294	7,896	14,753	44,200

As compared to 2018, the total number of employees increased by 22.4%, the number of officers and permanent workers decreased by 13.5% and 25.9% respectively, and the number of temporary workers and contract employees increased.

**Table 5: Status of Occupied-Vacant Positions, 2022**

	Special Budget				Revolving Fund				TOTAL			
	Central		Provincial		Central		Provincial		Central		Provincial	
	Vacant	Occupied	Vacant	Occupied	Vacant	Occupied	Vacant	Occupied	Vacant	Occupied	Vacant	Occupied
Officers	966	809	9,372	11,997	910	128	15,586	1,323	1,876	937	24,959	13,320
Contract Employees				611		94		6,589		94		7,200
Permanent Workers		34		5,540		194		2,128		228		7,668
Temporary Workers				2,014		8		12,731		8		14,745

**Table 6: Budget and Title Distributions of Occupied Positions, 2022**

	Special Budget		Revolving Fund		TOTAL		Total
	Central	Provincial	Central	Provincial	Central	Provincial	
General Director	1				1		1
Deputy General Director	3				3		3
Legal Counsels	6				6		6
Department Head	17				17		17
Internal Auditors	14				14		14
Chief Inspectors	70				70		70
Inspectors	46				46		46
Regional Directors		26			0	26	26
Deputy Regional Directors		84			0	84	84
District Directors		252			0	252	252
Deputy District Directors		287			0	287	287
Deputy Directors, Spare Parts Warehouse		1			0	1	1
Institute Directors		9			0	9	9
Deputy Institute Directors		7			0	7	7
Nursery Directors		14			0	14	14
Deputy Nursery Directors		4			0	4	4
Chief Engineers		156			0	156	156
Branch Directors	96	362			96	362	458
Engineers	275	2,866	30	182	305	3,048	3,353
Lawyers	8	114	10	36	18	150	168
Financial Services Specialists	6				6		6
Specialists	4	12	1		5	12	17
Research, Planning and Coordination	4				4		4
Training Specialists	6				6		6
Civil Defense Specialists	1	7			1	7	8
Researchers	5	43			5	43	48
Accountants		30	13	258	13	288	301
Property Accountants		4				4	4
Operations Accountants				22		22	22
Chief Officers	14	152		1	14	153	167
Technicians	32	637	21	89	53	726	779
Technicists	45	415	18	19	63	434	497
Computer Operators	98	2,071	19	220	117	2,291	2,408
Forest Guards		3,145		130		3,275	3,275
Others	58	1,299	16	366	74	1,665	1,739
<b>TOTAL</b>	<b>809</b>	<b>11,997</b>	<b>128</b>	<b>1,323</b>	<b>937</b>	<b>13,320</b>	<b>14,257</b>
Contract Employees		611	94	6,589	94	7,200	7,294
Permanent Workers	34	5,540	194	2,128	228	7,668	7,896
Temporary Workers		2,014	8	12,731	8	14,745	14,753
<b>GRAND TOTAL</b>	<b>843</b>	<b>20,162</b>	<b>424</b>	<b>22,771</b>	<b>1,267</b>	<b>4,2933</b>	<b>44,200</b>

Approximately 32% of the current employees are employed as officers, and 68% are employed as contract employees, permanent workers and temporary workers.

**Chart 2: Distribution of Employees by Age Group and Length of Service, 2022**

The number of employees aged 56 and over constitutes 12% of the total number of employees. The number of employees with more than ten years of public service experience is 17,245, and the number of employees with an education level below the bachelor's degree is 33,804.

**Chart 3: Distribution of Employees by Educational Status and Gender, 2022**

## 5. Activities, Products and Services Offered

Our country's forest assets cover approximately 29.8% of the country's surface area with 23,245,000 hectares. Within this area, the area of forests with normal crown closure constitutes 58.97% of the total forest area with 13,707,843 hectares, and the area of forests with low crown closure constitutes 41.03% with 9,537,157 hectares.

**Table 7: Status of Forest Areas by Different Inventory Years**

Inventory Year	Forest Type	Normal Forest		Forest with Low Crown Closure		Total	
		Hectare	Percent	Hectare	Percent	Hectare	Percent
1973	Groves	6,176,899	30.58	4,757,708	23.55	10,934,607	54.13
	Coppice	2,679,558	13.27	6,585,131	32.60	9,264,689	45.87
	<b>Total</b>	<b>8,856,457</b>	<b>43.85</b>	<b>11,342,839</b>	<b>56.15</b>	<b>20,199,296</b>	<b>100.00</b>
2015	Groves	11,919,061	53.35	7,700,657	34.47	19,619,718	87.81
	Coppice	785,087	3.51	1,938,130	8.67	2,723,217	12.19
	<b>Total</b>	<b>12,704,148</b>	<b>56.86</b>	<b>9,638,787</b>	<b>43.14</b>	<b>22,342,935</b>	<b>100.00</b>
2020	Groves	12,914,800	56.31	8,741,566	38.12	21,656,366	94.43
	Coppice	349,629	1.53	927,005	4.04	1,276,634	5.57
	<b>Total</b>	<b>13,264,429</b>	<b>57.84</b>	<b>9,668,571</b>	<b>42.16</b>	<b>22,933,000</b>	<b>100.0</b>
2022	Groves	13,357,019	57.46	8,891,661	38.25	22,248,680	95.71
	Coppice	350,824	1.51	645,496	2.78	996,320	4.29
	<b>Total</b>	<b>13,707,843</b>	<b>58.97</b>	<b>9,537,157</b>	<b>41.03</b>	<b>23,245,000</b>	<b>100.00</b>

95.71% of the forest area is operated as groves and 4.29% as coppice, the total growing stock is approximately 1.73 billion m<sup>3</sup>, and the increment, which is an indicator of the wood raw material yield of the forests, is 47.8 million m<sup>3</sup>.

**Table 8: Growing Stock Status of Forest Areas by Different Inventory Years**

Inventory Year	Forest Type	Normal Forest		Forest with Low Crown Closure		Total	
		Cubic meter	Percent	Cubic meter	Percent	Cubic meter	Percent
1973	Groves	758,732,197	81.10	54,349,847	5.81	813,082,044	86.91
	Coppice	88,300,818	9.44	34,129,288	3.65	122,430,106	13.09
	<b>Total</b>	<b>847,033,015</b>	<b>90.54</b>	<b>88,479,135</b>	<b>9.46</b>	<b>935,512,150</b>	<b>100.00</b>
2015	Groves	1,506,131,410	93.45	59,996,731	3.72	1,566,128,141	97.17
	Coppice	33,692,118	2.09	11,953,934	0.74	45,646,052	2.83
	<b>Total</b>	<b>1,539,823,528</b>	<b>95.54</b>	<b>71,950,665</b>	<b>4.46</b>	<b>1,611,774,193</b>	<b>100.00</b>
2020	Groves	1,614,281,635	95.12	64,037,202	3.77	1,678,318,837	98.90
	Coppice	14,013,759	0.83	4,722,404	0.28	18,736,163	1.10
	<b>Total</b>	<b>1,628,295,394</b>	<b>95.95</b>	<b>68,759,606</b>	<b>4.05</b>	<b>1,697,055,000</b>	<b>100.00</b>
2022	Groves	1,656,185,782	95.38	64,870,635	3.74	1,721,056,417	99.12
	Coppice	12,053,366	0.69	3,292,217	0.19	15,345,583	0.88
	<b>Total</b>	<b>1,668,239,148</b>	<b>96.07</b>	<b>68,162,852</b>	<b>3.93</b>	<b>1,736,402,000</b>	<b>100.00</b>

Forestry practices not only change area and growing stock levels, but also affect the age components of trees constituting forests and therefore their increment.

**Table 9: Current Annual Increment of Forest Areas by Different Inventory Years**

Inventory Year	Forest Type	Forests with Normal		Forests with Low Crown		Total	
		Cubic meter	Percent	Cubic meter	Percent	Cubic meter	Percent
1973	Groves	20,791,672	74.09	1,343,744	4.79	22,135,416	78.88
	Coppice	4,813,197	17.15	1,114,592	3.97	5,927,789	21.12
	<b>Total</b>	<b>25,604,869</b>	<b>91.24</b>	<b>2,458,336</b>	<b>8.76</b>	<b>28,063,205</b>	<b>100.00</b>
2015	Groves	42,322,876	92.20	1,484,455	3.23	43,807,331	95.43
	Coppice	1,511,561	3.29	585,191	1.27	2,096,752	4.57
	<b>Total</b>	<b>43,834,437</b>	<b>95.49</b>	<b>2,069,646</b>	<b>4.51</b>	<b>45,904,083</b>	<b>100.00</b>
2020	Groves	44,647,096	94.19	1,713,498	3.62	46,360,594	97.81
	Coppice	762,981	1.61	276,425	0.58	1,039,406	2.19
	<b>Total</b>	<b>45,410,077</b>	<b>95.80</b>	<b>1,989,923</b>	<b>4.20</b>	<b>47,400,000</b>	<b>100.00</b>
2022	Groves	45,183,944	94.53	1,727,867	3.61	46,911,811	98.14
	Coppice	678,743	1.42	209,446	0.44	888,189	1.86
	<b>Total</b>	<b>45,862,687</b>	<b>95.95</b>	<b>1,937,313</b>	<b>4.05</b>	<b>47,800,000</b>	<b>100.00</b>

**Table 10: Status of Forest Areas by Tree Species, 2022**

Characteristics	Crown Closure	Groups of Tree Species		TOTAL
		Coniferous	Deciduous	
Area (Hectare)	Normal	8,972,417	4,735,426	13,707,843
	Low Crown Closure	4,996,160	4,540,997	9,537,157
	<b>Total</b>	<b>13,968,577</b>	<b>9,276,423</b>	<b>23,245,000</b>

Characteristics	Crown Closure	Groups of Tree Species		TOTAL
		Coniferous	Deciduous	
Growing Stock (Cubic meter)	Normal	1,138,942,246	529,296,902	1,668,239,148
	Low Crown Closure	41,865,600	26,297,252	68,162,852
	<b>Total</b>	<b>1,180,807,846</b>	<b>555,594,154</b>	<b>1,736,402,000</b>
Annual Increment (Cubic meter)	Normal	30,699,517	15,163,170	45,862,687
	Low Crown Closure	1,014,942	922,371	1,937,313
	<b>Total</b>	<b>31,714,459</b>	<b>16,085,541</b>	<b>47,800,000</b>

## 5.1 Protection of Forests and Forest Resources

Protecting forests and forest resources against fires and biotic and abiotic pests, regulation of forest-public relations and informing the public about forestry and management of forest resources constitute the main activity group of our forestry.

### 5.1.1 Protection of Forests against Fires

In our country, which is located in the Mediterranean climate zone due to its geographical location, a large part of our forests is under fire threat, and 60% of the total forest area consists of the areas sensitive to first- and second-degree fires. Therefore, forest fires are among the priority issues for our country's forestry.

### 5.1.2 Forest Pest and Disease Control

Insect damage has an important place among the damages caused by insects, fungi and other organisms in our country's forests. In this regard, insect control comes to the fore for forest pest control, and due to global warming and climate change, the method of biological control is primarily used in the forest pest control.<sup>4</sup>

### 5.1.3 Fighting Forest Crimes and Grazing Management

The efforts to identify areas with higher forest crime rates and establish protection teams in sensitive areas, to activate the protective measures by supporting the teams with vehicles and forest guards, to demolish unlicensed buildings and facilities in forest areas, to protect the surrounding forests through cooperation and protocols with village legal entities, and to transfer resources to villagers living here and ensure that the people protect the forests are continued uninterruptedly.<sup>5</sup>

### 5.1.4 Monitoring of the Health of Forest Ecosystems

In order to monitor forest ecosystems in sustainable natural resource management, permanent observation plots (Level I and Level II) were established in Europe in 1985 within the scope of the "International Cooperative Programme for Monitoring and Assessment of the Effects of Air Pollution" (ICP Forests).

Since 2007, the "Programme on Monitoring of Forest Ecosystems" has been put into practice in order to identify the problems that may occur in the forest health of our country's forests due to the effects of air pollution and climate change.

<sup>4</sup> In 52 of 54 laboratories in 31 provinces, predatory insects, parasites and parasitoids are produced, and in 2 laboratories, beneficial viruses are produced against chestnut branch cancer.

<sup>5</sup> The "Regulation on the Principles and Procedures Regarding Animal Grazing in Forests and in Grasslands, Summer Pastures and Winter Pastures Located in Forests" prepared within the scope of the revision made in Article 19 of the Forest Law No. 6831 was published in the Official Gazette dated July 11, 2012 and numbered 28350 and entered into force.

### 5.1.5 Determination of Forest Boundaries and Permissions

Determination of the boundaries of forests, application works for the application of forest limitation or cadastral procedures to the land in accordance with the new laws, applications in Article 2 of Law No. 1744 and applications in Article 2/B of Law No. 3302, and registration of the places with finalized boundaries with the land registry are carried out within the framework of the prepared programme.<sup>6</sup>

In addition, permission processes and procedures are carried out for areas regarded as forests in accordance with Articles 16, 17, 18 and 57 of the Forest Law No. 6831, and they are allocated to the Ministry of Culture and Tourism to be used for tourism purposes in accordance with Article 8 of the Law No. 2634 for the Encouragement of Tourism.

### 5.1.6 Development and Support of Forest Villagers

The main element of the activity group for supporting forest villagers is composed of the cooperative loans provided to individual forest villagers and the cooperative associations established by these villagers among themselves. Forest villagers are supported economically and socially through development of alternative business models and projects with the loans provided.

### 5.1.7 Regulation of Forest-Public Relations and Raising Public Awareness

Stakeholders are informed about the products and services offered and the results achieved. In this context, events such as fairs, symposiums and meetings are organized, and documented materials such as magazines, books, brochures and posters are presented to the stakeholders. Moreover documentaries, introductions, public service announcements and commercials are prepared, changes in communication means are closely followed.

## 5.2 Development and Expansion of Forests

Developing existing forests and increasing their productivity and expanding forest areas by establishing new forests on suitable lands constitute the second basic activity group of our forestry.

### 5.2.1 Forest Maintenance, Regeneration and Rehabilitation

Forest maintenance measures are silvicultural practices that require different technical interventions depending on the stage of stand development. The main purpose of the practices is to ensure that the economic, ecological and social functions enabled by the current ecological conditions are produced in forests at the lowest cost, in the highest quality and quantity, in a way that constantly meets the needs of the society, and to create forests that are resistant to external effects and that can fulfill these functions in the best way.

### 5.2.2 Afforestation

The activities carried out with the aim of increasing the forest assets of our country and supplying wood raw materials needed by the forest industry, diversifying the income sources of the rural population and contributing to the country's economy are completed within the framework of the action plans and programmes prepared. In case of special afforestation activities, grants and loans are provided to natural and legal entities.

### 5.2.3 Sapling and Seed Production

Sapling production is carried out in various species including coniferous and deciduous forest tree species, especially black pines, yellow pines, red pines and stone pines, etc. and ornamental plants, and the required seeds are supplied from seed stands and seed orchards consisting of high-quality trees

<sup>6</sup> Due to the technical and legal problems arising from the separate conduct of forest cadastral studies and land cadastral studies, a revision was made in the Cadastre Law No. 3402, and the studies were brought together and started to be carried out simultaneously.

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#### 5.2.4 Conservation, Development and Effective Use of Soil Resources

Erosion control and pasture improvement activities, activities to combat desertification, and flood and avalanche control activities are completed within the framework of the prepared programmes and projects, and erosion control, flood/avalanche/landslide control and pasture improvement activities carried out within the scope of integrated basin improvement projects<sup>8</sup> are also included in the scope of activities.

### 5.3 Management of Forests

Addressing the economic, ecological, social and cultural functions of forests within an ecosystem integrity and managing forests according to sustainable forest management principles constitute another activity group of our forestry.

#### 5.3.1 Planning of Forests

According to the Forest Law No. 6831, all forests are managed and operated according to management plans. Making forest management plans or having them made, monitoring and controlling the implementation process, as well as preparing inventory data required by forestry services are among the priority areas of activity.

#### 5.3.2 Production and Marketing of Wood-Based Forest Products

As a result of forestry activities carried out in forest areas, forest products such as logs, utility poles, mine poles, industrial wood, pulpwood, fiber-chip wood, stakes, sticks and firewood are supplied and these products are used for construction, furniture, mining, fiberboard and chipboard and paper industries and other wood-based industries. Since the production and marketing process in forestry is an economic activity, it is of great importance that these activities are carried out in a free market economy in accordance with economic rules.

#### 5.3.3 Production and Marketing of Non-Wood Forest Products

Our forests, which have a rich biodiversity, also have a significant potential in terms of non-wood forest products. Necessary studies are carried out in order to ensure sustainable production of non-wood forest products and to protect biodiversity in forest areas, and action plans prepared in this context are implemented.

#### 5.3.4 Strengthening the Forestry Infrastructure

Forest roads provide services for the performance of many forestry activities such as protection, production and maintenance, and the activities for building of new forest roads, construction of superstructures and engineering structures needed to keep the forest roads accessible, maintenance and repair of the forest roads and standardization of nonstandard forest roads are carried out within the framework of the programme prepared every year

<sup>7</sup> There are 189 seed orchards with an area of 1,485.7 hectares from 12 tree species/311 seed stands with an overall area of 40,337.9 hectares and a core area of 16,525.5 hectares from 32 tree species/339 genetically conserved forests with an overall area of 43,231.7 hectares and a core area of 24,285.7 hectares from 64 tree species/28 clone parks with an area of 72.6 hectares from 7 tree species/24 seed plantations with an area of 66.55 hectares from 17 tree species/45 trial areas of 144.2 hectares from 5 tree species. In addition, there are 25 Seed Stock Centers with a capacity of approximately 320 tonnes in 22 regional directorates of forestry.

<sup>8</sup> Bolaman River Basin Rehabilitation Project covers a total of 2 provinces and 15 districts including 12 districts in Ordu Province and 3 districts in Tokat Province, and 266 villages and 257,500 persons. Coordinating Institution: General Directorate of Forestry. Stakeholding Institutions: General Directorate of State Hydraulic Works, General Directorate of Agricultural Reform, General Directorate of Highways. Project Start Date: 2021

Çekerek River Basin Rehabilitation Project covers a total of 4 provinces and 14 districts including 8 districts in Yozgat Province, 2 districts in Çorum Province, 3 districts in Tokat Province and 1 district in Sivas Province, and 480 villages and 256,000 persons. Coordinating Institution: General Directorate of Forestry. Stakeholding Institutions: General Directorate of State Hydraulic Works, General Directorate of Agricultural Reform and Yozgat, Sivas, Tokat, Çorum Provincial Special Administrations. Project Start Date: 2021

### 5.3.5 Other Products and Services

Activities for water production and improving water quality, functions related to biomass and carbon storage in forests, and oxygen production are important topics. In addition, planning activities for the spread of ecotourism, and identification and planning of recreational areas, completion of infrastructure and superstructure facilities and making them available for public use are also among the activity elements.

## 6. Management and Internal Control System

The principles and procedures regarding the establishment, organization, duties and authorities of the General Directorate of Forestry are regulated by the “Presidential Decree on the Organization of the Institutions and Organizations Associated, Related and Affiliated to the Ministries and Other Institutions and Organizations”. The duties assigned to the General Directorate of Forestry are carried out by the units and sub-units specified in the organizational structure, under the responsibility of the spending authorities.

In the 2021 Regularity Audit process conducted by the Court of Accounts, the activities carried out and the results achieved regarding the internal control system were evaluated, and it was stated that “..... high-level development of the internal control system is achieved, the application of internal control mechanisms is established, however there are areas that need to be improved in practice...” .

## II. GOALS AND TARGETS

### A. Basic Policies and Priorities

Basic policies, priorities and targets related to forestry and forest resources management are included in the ongoing development plans and programmes as summarized below.

#### Eleventh Development Plan <sup>9</sup>

Policies	Measures
415. The contribution of forests to the economy will be increased through sustainable forest management.	415.1 The National Forest Inventory study will be completed.
	415.2 Capacity to fight diseases and pests and fires in forestry will be strengthened.
	415.3 Forest villagers will continue to be supported within certain programmes, and professionalization will be increased through training activities to ensure increased quality production and labor productivity in forestry.
	415.4 Establishment of industrial plantations will be enabled with fast-growing species in order to meet the need for wood raw materials.
	415.5 The use of wood will be expanded and its standards will be identified.

<sup>9</sup>The Eleventh Development Plan was approved by the General Meeting of the Turkish Grand National Assembly at its 105th session dated 18.07.2019, and published in the Official Gazette dated 23 July 2019 and numbered 30840 (Repeated).

## 2022 Presidential Annual Programme 10

Policies	Measures	Activities		
415. The contribution of forests to the economy will be increased through sustainable forest management.	415.4. Establishment of industrial plantations will be enabled with fast-growing species in order to meet the need for wood raw materials.	Industrial plantation will be carried out on an area of 24 thousand hectares, maintenance work will be carried out on an area of 60 thousand hectares and survey project work will be carried out on an area of 160 thousand hectares.		
Targets		2020	2021 Estimated Realization	2022 Programme
Ratio of Forest Areas to the Area of the Country	Percent	29.4	29.5	29.8
Duration of First Response to Fire-Sensitive Areas of the First Degree	Minute	12	11	11

## 2022 Performance Programme

Programme Name	Sub-Programme Name	Activities
Protection and sustainable management of forests and nature	Protection of forests and forest resources	<ol style="list-style-type: none"> <li>1. Fighting forest fires</li> <li>2. Protection of forests against unlawful interference and forest pest control</li> </ol>
	Development and expansion of forests	<ol style="list-style-type: none"> <li>1. Afforestation and sapling and seed production</li> <li>2. Forest maintenance, regeneration and rehabilitation</li> </ol>
	Management of forests	<ol style="list-style-type: none"> <li>1. Management activities</li> <li>2. Wood production, standardization and certification</li> <li>3. Evaluation and expansion of non-wood forest products and services</li> <li>4. Services related to forest roads</li> </ol>
Use and management of soil and water resources Rural development	Conservation, development and effective use of soil resources	<ol style="list-style-type: none"> <li>1. Combating desertification and erosion</li> <li>2. Pasture improvement activities</li> </ol>
	Development and support of forest villagers	<ol style="list-style-type: none"> <li>1. Support of forest villagers</li> </ol>
Management and support programme	Inspection, audit and consulting services	<ol style="list-style-type: none"> <li>1. Legal counseling and proceedings services</li> <li>2. Internal audit</li> <li>3. Corporate international cooperation activities</li> <li>4. Inspections, examinations and investigations</li> </ol>
	Senior management, administrative and financial services	<ol style="list-style-type: none"> <li>1. Activities related to information technology</li> <li>2. Other support services</li> <li>3. General support services</li> <li>4. Activities related to human resources management</li> <li>5. Private secretarial services</li> <li>6. Strategy development and financial services</li> </ol>

## B. Goals and Targets in the Strategic Plan

The **mission** of the General Directorate of Forestry in the 2019-2023 Strategic Plan is “to protect forests and forest resources, to develop them with an understanding close to nature, and to manage them in a way that is sustainable and provides multifaceted benefits to the society within the integrity of the ecosystem”, and its **vision** is “to be a leading institution in sustainable forest management practices”, and the following strategic goals and targets have been determined.

<sup>10</sup> 2022 Presidential Annual Programme was published in the Official Gazette dated 25 October 2021 and numbered 31639 (Repeated).

## STRATEGIC GOAL (G1): TO PROTECT FORESTS AND FOREST RESOURCES AGAINST BIOTIC AND ABIOTIC PESTS

**Target (T1.1):** Preventive actions will be increased for fight against forest fires and response capacity will be strengthened.

**Target (T1.2):** The health of forest ecosystems will be monitored, and forest existence and health will be protected by taking natural or nature-friendly preventive actions for disease and pest control.

**Target (T1.3):** The registration of forest areas with finalized cadastre will be ensured and ownership problems will be resolved.

**Target (T1.4):** Socio-economic development in forest villages will be supported.

## STRATEGIC GOAL (G2): TO DEVELOP FORESTS, INCREASE THEIR PRODUCTIVITY AND EXPAND THEIR AREAS

**Target (T2.1):** Wood quality and seed and fruit productivity will be increased, and silvicultural maintenance measures for the establishment of healthy forests will be increased.

**Target (T2.2):** Productive forest area will be increased to 14,000,000 hectares.

**Target (T2.3):** The implementation rate will be increased from 9% to 100% in a total potential area of 330,000 hectares determined to be suitable for industrial afforestation.

**Target (T2.4):** Our forest presence will be increased to 30% of the total area of the country.

**Target (T2.5):** Erosion will be controlled and pasture improvement activities will be developed to reduce soil loss.

## STRATEGIC GOAL (G3): TO ENSURE THAT THE SOCIETY BENEFITS FROM THE GOODS AND SERVICES PRODUCED BY FORESTS AT THE OPTIMUM LEVEL

**Target (T3.1):** In accordance with the multi-purpose utilization of 6,868,000 hectares of forest area, inventory will be prepared and the management plan will be renewed.

**Target (T3.2):** Quality and productivity of wood-based forest products will be increased, costs will be reduced and sustainable competition will be ensured in domestic and foreign markets.

**Target (T3.3):** Ecotourism services will be expanded, and non-wood forest product diversity and production will be increased.

**Target (T3.4):** Considering national conditions and international developments, a standardization and certification system will be developed for forest products, and the area of certified forests will be increased.

**Target (T3.5):** Forestry infrastructure will be strengthened, and pilot applications will be carried out to improve road standards in forests whose main function is production.

## STRATEGIC GOAL (G4): TO IMPROVE INSTITUTIONAL CAPACITY

**Target (T4.1):** Research and development projects will be prepared and implemented to solve problems in the field of forestry, to develop new techniques and to ensure effective governance.

**Target (T4.2):** In order to ensure institutionalization in strategic management, the financial, legal, administrative and human resources will be developed.

**Target (T4.3):** Information systems and technology infrastructure will be completed, and forest information system will be developed and expanded.

### III. INFORMATION AND ASSESSMENTS RELATED TO ACTIVITIES

#### A. Financial Information

##### 1. Budget Implementation Results

In 2022, a total of TRY 6,220,952,000 was allocated to our General Directorate with the Central Administration Budget Law, and the year-end appropriation was increased to TRY 9,758,915,239 as a result of the additions and transfers carried out during the year.<sup>11</sup>

**Table 11: Economic Classification of Budget Expenses (TRY), 2022**

Expense Type	Budget Appropriation	Transfers		Blocked	Year-End Appropriation	Year-End Expenditure	Year-End Balance
		Added	Deducted				
1 Personnel Costs	2,915,736,000	1,286,479,080	686,103,946		3,516,111,134	3,395,094,933	121,016,201
02 Social Security Institution State Premium Costs	592,039,000	260,947,195	94,521,400		758,464,795	724,387,480	34,077,315
3 Goods and Services Procurement Costs	1,058,006,000	2,852,105,420	974,692,500		2,935,418,920	2,888,193,551	47,225,369
	136,823,000	17,580,000			154,403,000	147,335,499	7,067,501
5 Current Transfers	1,242,939,000	1,022,407,348	517,462,958		1,747,883,390	1,647,432,037	100,451,353
6 Capital Expenditure							
07 Capital Transfers	74,293,000	149,571,023	2,406,023		221,458,000	217,816,415	3,641,585
08 Loaning	201,116,000	224,060,000			425,176,000	424,566,433	609,567
<b>TOTAL</b>	<b>6,220,952,000</b>	<b>5,813,150,066</b>	<b>2,275,186,827</b>		<b>9,758,915,239</b>	<b>9,444,826,348</b>	<b>314,088,891</b>

In the initial budget, the total own revenues amounted to TRY 3,671,900,000, and as of the end of the year, own revenues amounted to TRY 7,076,003,843 and expenses amounted to TRY 9,444,826,348, and the coverage ratio of own revenues to expenses was 74.9%.<sup>12</sup>

**Table 12: Economic Classification of Budget Revenues (TRY), 2022**

Revenues				2022			
I	II	III	IV	Description	Estimated Revenues (TRY)	Year-End Realization (TRY)	Realization/Estimated Revenues (%)
<b>03</b>				<b>Revenues from Enterprises and Properties</b>	<b>2,472,010,000</b>	<b>4,356,097,114</b>	<b>176.2</b>
03	1	1	01	Revenues from Specifications, Printed Documents and Form Sales	400,000	820,260	205.1
03	1	2	03	Attorney Fee Revenues		562	
03	1	2	99	Revenues from Other Services	6,000,000	22,674,787	377.9
03	6	1	01	Income from Housing Rental	24,000,000	38,738,118	161.4
03	6	1	03	Income from Social Facility Rental	110,000	129,905	118.1
03	6	1	99	Income from Other Immovable Property Rental	15,000,000	42,090,685	280.6
03	6	3	01	Prior Permission Revenues	6,500,000	2,187,834	33.7

<sup>11</sup> In the new State Accounting Information System, the offset period processes and transactions are continued. In this respect, the special budget financial statements could not be reflected in the activity report. The data under the title Financial Information/Budget Implementation Results were retrieved from the e-budget records. 16/02/2023

<sup>12</sup> The total of own revenues amounted to TRY 7,076,003,843 and TRY 1,500,000,000 of the projected treasury aid of TRY 2,544,052,000 was collected.

03	6	3	02	Easement Revenues	10,000,000	857,337	8.6
03	6	3	03	Usage Permission Revenues	60,000,000	57,305,100	95.5
03	6	3	04	Land Permit Fee Revenues for Forestry Activities	2,000,000,000	3,726,720,476	186.3
03	6	3	05	Afforestation Fee Revenues	350,000,000	464,572,050	132.7
<b>04</b>				<b>Donations and Aids Received and Special Revenues</b>	<b>2,564,052,000</b>	<b>1,774,654,370</b>	<b>69.2</b>
04	2	1	01	Treasury Aid	1,025,704,000	1,009,177,000	98.4
04	2	2	01	Treasury Aid	1,518,348,000	490,823,000	32.3
04	4	2	01	Donations and Aids Received from Institutions			
04	4	2	03	Conditional Donations and Aids Received from Institutions	19,000,000	270,238,553	1422.3
04	4	2	04	Conditional Donations and Aids Received from Individuals	1,000,000	4,415,817	441.6
<b>05</b>				<b>Other Revenues</b>	<b>1,145,230,000</b>	<b>2,344,683,459</b>	<b>204.7</b>
05	1	5	01	Interest on Securities and Overdue Payments	1,000,000	3,554,533	355.5
05	1	9	01	Interest on Receivables from Individuals	800,000	1,922,399	240.3
05	1	9	99	Other Interests	50,000,000	83,203,961	166.4
05	2	1	03	State Right from Mines		12,602,537	
05	2	6	99	Other Shares Belonging to Administrations with Special Budgets	100,000	38,761	38.8
05	3	2	99	Other Administrative Fines	8,000,000	8,560,025	107.0
05	3	9	99	Other Fines Not Described Above	200,000	912,045	456.0
05	9	1	01	Cash Guarantees to Be Recorded as Revenues	1,000,000	2,518,228	251.8
05	9	1	06	Interest on Receivables from Individuals	2,130,000	6,277,823	294.7
05	9	1	08	Forest Villagers' Development Revenues	350,000,000	679,614,280	194.2
05	9	1	09	Afforestation and Erosion Control Revenues	700,000,000	1,499,106,867	214.2
05	9	1	99	Other Miscellaneous Revenues Not Described Above	32,000,000	46,372,000	144.9
<b>06</b>				<b>Capital Gains</b>	<b>2,450,000</b>	<b>565,246</b>	<b>23.1</b>
06	2	1	01	Movable Property Sales Revenues	50,000	61,000	122.0
06	2	2	01	Vehicle Sales Revenues	2,400,000	504,246	21.0
<b>08</b>				<b>Collection from Receivables</b>	<b>32,210,000</b>	<b>100,003,654</b>	<b>310.5</b>
08	1	5	02	From Municipalities		3,912	
08	1	5	03	From Villages	160,000		
08	1	9	05	From Private Enterprises	50,000	280,711	561.4
08	1	9	06	From Households	32,000,000	98,250,950	307.0
08	1	9	99	Others		1,468,081	

A total of TRY 26,800,000,000 revolving fund revenue budget is projected, including TRY 25,175,008,000 industrial wood products sales revenues, TRY 137,500,000 forest trees sapling sales revenues, TRY 122,407,311 non-wood forest products and in-forest recreation area revenues and TRY 1,365,084,689 other revenues.

**Table 13: Classification of Revolving Fund Revenues (TRY), 2022**

Revenues	2022	
	Revised Budget	Realization
Revenues from Forest Products Sales	25,175,008,000	28,966,118,165
Revenues from Sapling Sales	137,500,000	260,664,486
Non-Wood Revenues	122,407,311	158,294,184
Other Revenues	1,365,084,689	1,558,008,091
<b>TOTAL</b>	<b>26,800,000,000</b>	<b>30,943,084,926</b>

In return for projected revenues, a balanced budget has been prepared, including investment expenses of TRY 6,106,228,830 and current expenses of TRY 20,693,771,170.

**Table 14: Classification of Revolving Fund Expenses (TRY), 2022**

Expenses	2022	
	Revised Budget	Realization
<b>01 Personnel Costs</b>	<b>4,083,309,149.00</b>	<b>4,083,309,149.00</b>
01.01 Officers	878,381,497.76	878,381,497.76
01.02 Contract Employees	829,454,872.89	829,454,872.89
01.03 Workers	2,366,203,299.58	2,366,203,299.58
01.04 Temporary Employees	9,269,478.77	9,269,478.77
<b>02 Social Security Institution State Premium Costs</b>	<b>665,143,907.54</b>	<b>665,143,907.54</b>
02.01 Officers	36,074,958.70	36,074,958.70
02.02 Contract Employees	126,752,643.96	126,752,643.96
02.03 Workers	502,316,304.88	502,316,304.88
02.04 Temporary Employees		
<b>03 Goods and Services Procurement Costs</b>	<b>11,164,071,992.89</b>	<b>11,164,071,992.89</b>
03.01 Goods and Materials Procurement for Production	12,902,597.50	12,902,597.50
03.02 Goods and Materials Procurement for Consumption	1,098,326,539.92	1,098,326,539.92
03.03 Travel Expenses	109,162,004.01	109,162,004.01
03.04 Mission Expenses	101,668,733.36	101,668,733.36
03.05 Service Procurement	7,301,978,699.94	7,301,978,699.94
03.06 Representation and Promotional Expenses	48,306,915.17	48,306,915.17
03.07 Movable Goods and Intangible Rights Purchase, Maintenance and Repair Expenses	694,897,860.80	694,897,860.80
03.08 Real Estate Maintenance and Repair Expenses	1,796,828,642.19	1,796,828,642.19
<b>05 Current Transfers</b>	<b>4,781,246,120.57</b>	<b>4,578,233,321.09</b>
05.01 Mission Losses	10,445,868.89	10,445,868.89
05.03 Aid to Non-Profit Organizations	4,252,554.51	4,252,554.51
05.08 Shares from Revenues and Profits	4,741,955,697.17	4,538,942,897.69
05.09 Other Transfers	24,592,000.00	24,592,000.00
<b>06 Capital Expenditure</b>	<b>6,106,228,830.00</b>	<b>6,062,926,543.00</b>
06.01 Finished Goods Procurement	4,451,650,421.77	4,451,650,421.77
06.02 Securities Production Expenses	262,937,961.43	262,937,961.43
06.03 Purchases of Intangible Rights	19,345,234.04	19,345,234.04
06.04 Real Estate Purchases and Expropriation	546,782.51	546,782.51
06.05 Real Estate Capital Production Expenses	1,364,394,153.75	1,321,091,866.75
06.07 Real Estate Major Repair Expenses	7,354,276.50	7,354,276.50
<b>TOTAL</b>	<b>26,800,000,000.00</b>	<b>26,553,684,913.52</b>

## 2. Descriptions regarding Key Financial Statements

The total budget resource revised in 2022 is TRY 36,558,915,239 and TRY 9,758,915,239, which constitutes about 26.69% of this amount, was paid from the special budget, and TRY 26,800,000,000, which constitutes 73.31% thereof, was paid from the revolving fund.

At the economic classification level, the amounts of appropriations and expenditures are given below, and 99.09% of the appropriation was spent for the realization of the sub-programme targets. In the management and support programme, this rate was 96.39%.

**Table 15: Appropriations and Expenditures at Economic Classification Level (Thousand TRY), 2022**

Expense Type	Initial Appropriation			Year-End Appropriation			Realization		
	Service Programmes	Management and Support Programme	TOTAL	Service Programmes	Management and Support Programme	TOTAL	Service Programmes	Management and Support Programme	TOTAL
01 Personnel Costs	2,710,985	204,751	<b>2,915,736</b>	3,288,772	227,339	<b>3,516,111</b>	3,202,416	192,679	<b>3,395,095</b>
02 Social Security Institution State Premium Costs	553,863	38,176	<b>592,039</b>	711,107	47,358	<b>758,465</b>	684,974	39,414	<b>724,388</b>
03 Goods and Services Procurement Expenses	1,047,789	10,217	<b>1,058,006</b>	2,779,845	155,574	<b>2,935,419</b>	2,741,003	147,191	<b>2,888,194</b>
05 Current Transfers		136,823	<b>136,823</b>		154,403	<b>154,403</b>		147,335	<b>147,335</b>
06 Capital Expenditure	1,179,939	63,000	<b>1,242,939</b>	1,665,310	82,573	<b>1,747,883</b>	1,566,041	81,391	<b>1,647,432</b>
07 Capital Transfers	74,293		<b>74,293</b>	221,458		<b>221,458</b>	217,816		<b>217,816</b>
08 Loaning	201,116		<b>201,116</b>	425,176		<b>425,176</b>	424,566		<b>424,566</b>
<b>Budgetary Total</b>	<b>5,767,985</b>	<b>452,967</b>	<b>6,220,952</b>	<b>9,091,668</b>	<b>667,247</b>	<b>9,758,915</b>	<b>8,836,816</b>	<b>608,010</b>	<b>9,444,826</b>
Revolving Capital	8,356,854	4,043,146	<b>12,400,000</b>	19,007,990	7,792,010	<b>26,800,000</b>	19,007,990	7,545,695	<b>26,553,685</b>
<b>Extrabudgetary Total</b>	<b>8,356,854</b>	<b>4,043,146</b>	<b>12,400,000</b>	<b>19,007,990</b>	<b>7,792,010</b>	<b>26,800,000</b>	<b>19,007,990</b>	<b>7,545,695</b>	<b>26,553,685</b>
<b>GRAND TOTAL</b>	<b>14,124,839</b>	<b>4,496,113</b>	<b>18,620,952</b>	<b>28,099,658</b>	<b>8,459,257</b>	<b>36,558,915</b>	<b>27,844,806</b>	<b>8,153,705</b>	<b>35,998,511</b>

The cash realization rate for the Rural Development Programme was 97.8%, and the same rate was 99.3% for the Programme for Protection and Sustainable Management of Forests and Nature, and 95.6% for the Programme for Use and Management of Soil and Water Resources.

**Table 16: Appropriations and Expenditures at Programme Classification Level (Thousand TRY), 2022**

Programme Classification	Initial	Year-End Appropriation	Year-End Expenditure	Balance
Rural Development	765,085	1,192,055	1,165,938	26,117
Protection and Sustainable Management of Forests and Nature	12,622,649	25,918,592	25,733,607	184,985
Use and Management of Soil and Water Resources	737,105	989,011	945,262	43,749
Management and Support Programme	4,496,113	8,459,257	8,153,704	305,553
<b>TOTAL</b>	<b>18,620,952</b>	<b>36,558,915</b>	<b>35,998,511</b>	<b>560,404</b>

There were 19 projects in the investment programme in 2022, an appropriation of a total of TRY 4,036,811,000 was allocated, including a special budget of TRY 1,242,939,000 (expropriation expense of TRY 165,000) and a revolving fund of TRY 2,793,872,000. In addition, TRY 40,000,000 real estate sales income investment appropriation was given for the restoration of service buildings of Adana, Elazığ, Mersin and Kahramanmaraş regional directorates of forestry, which are not included in the investment ceiling, to be covered from the income obtained from the sale of real estate.

During the year, an additional appropriation of a total of TRY 3,474,704,891 was allocated, including the revolving fund income surplus of TRY 3,237,356,830 and the special budget income surplus of TRY 237,348,061, and the investment programme was increased to TRY 7,511,515,891. In addition, a total of TRY 160,246,390 conditional donations deposited by persons or institutions in the special budget for afforestation were recorded as appropriations, and the unused appropriation of TRY 107,349,837 from the previous year's conditional donations was transferred to 2022.

For price differences arising from 2021 investment implementations, an appropriation of TRY 69,006,830 was allocated under the Various Works Project, all of which is the provision for the revolving fund budget income surplus<sup>13</sup>, and TRY 46,721,994 was spent.

### 3. Financial Audit Results

In the "2021 Regularity Audit Report of the General Directorate of Forestry" prepared as a result of the audit carried out by the Court of Accounts in order to determine the compliance of the accounts and transactions of the General Directorate of Forestry with the laws and other legal regulations, to have reasonable assurance that the financial reports and statements accurately and reliably reflect the results of all activities and transactions, and to evaluate the financial management and internal control systems, it has been concluded that the financial reports and statements for 2021 contain accurate and reliable information in all essential aspects, except for the account fields listed below and specified in the section "Findings that are the Basis for the Audit Opinion".

Basis for Audit Opinion	Activities Initiated and/or Concluded for Detection
Failure to Include the Capital Increase of the Revolving Fund Enterprise in the Accounting Records	It was entered in the accounting records in 2022.
<p>Although the capital of the General Directorate of Forestry Revolving Fund Enterprise was increased, it was observed that this was not entered in the special budget accounting records.</p>	

As a result of the 2021 Regularity Audit of the General Directorate of Forestry Revolving Fund Enterprise, it has been concluded that the financial reports and statements for 2021 contain accurate and reliable information in all essential aspects.

## B. Performance Information

### 1. Programme, Sub-Programme and Activity Information

#### 1.1 Protection and Sustainable Management of Forests and Nature

##### 1.1.1 Protection of Forests and Forest Resources

###### 1.1.1.1 Fighting Forest Fires

In order to effectively fight forest fires, the activities outlined below were carried out during the year.

- The planned trainings for non-governmental organizations, hunters, shepherds and farmers, students, personnel working in tourism agencies and touristic facilities, military units and local fire brigades, forest villagers and volunteer firefighters have been completed.

<sup>13</sup> It was decided to put the Principles on the Implementation of the Provisional Article 5 of the Law No. 4735 on Public Procurement Contracts into effect in accordance with the aforementioned article of the Law No. 4735. (Resolution Number: 5203)

- The fine flammable materials that cause forest fires and act as sources of ignition were removed from forest areas, flammable materials were reduced, and new water sources were created in suitable places.
- In order to prevent the spread of forest fires, construction and maintenance of fire safety roads and lanes were carried out.
- Within the scope of fighting and preventing forest fires, a total of 113,830 people were registered as volunteer firefighters. Also 32,966 fire-resistant suits and 32,303 pairs of boots were procured through open tender and distributed to the relevant units.
- 55 firefighting helicopters, 20 aircraft and 6 unmanned aerial vehicles were leased<sup>14</sup>, TRY 400,000,000 was allocated to the Department of Defense Industry within the scope of the Helicopters and Aircraft Procurement Project<sup>15</sup>, and TRY 316,858,376 was paid as an advance payment for the Manned Reconnaissance Aircraft.  
In addition, a total of TRY 77,760,581 was spent for the firefighting equipment provided to the aircraft, TRY 55,801,301 of which was investment, and TRY 117,900,000 was spent for the 3 infrared cameras used in the unmanned aerial vehicles.
- Fire risk maps were created and decision support software was prepared to monitor unmanned aerial vehicles. “UAV Base Station” was installed on the unmanned aerial vehicle AKSUNGUR developed by Turkish Aerospace Industries with domestic and national resources.
- The installation of 1 Fire-Cell System was completed, and 3 mobile solar energy systems, 278 water tankers, 1 power plant and 4 test and measuring devices were purchased, and resources of TRY 18,678,947 were used.

By taking physical measures for fighting fires, 2,160 forest fires were responded to and 12,799 hectares of forest area was damaged.

**Table 17: Numeric Distribution of Causes of Forest Fires, 2018-2022**

Causes of Fire Outbreak	Unit	2018	2019	2020	2021	2022
Deliberate	Number	94	124	72	110	86
Negligence/Carelessness/Accide	Number	676	883	1,156	1,001	830
Natural	Number	400	372	312	353	358
Undetermined Cause	Number	997	1,309	1,859	1,329	886
<b>TOTAL</b>	<b>Number</b>	<b>2,167</b>	<b>2,688</b>	<b>3,399</b>	<b>2,793</b>	<b>2,160</b>

**Table 18: Areal Distribution of Causes of Forest Fires, 2018-2022**

Causes of Fire Outbreak	Unit	2018	2019	2020	2021	2022
Deliberate	Hectare	179	686	718	46,148	4,722
Negligence/Carelessness/Acci	Hectare	2,120	6,529	8,285	46,878	5,428
Natural	Hectare	142	373	197	208	517
Undetermined Cause	Hectare	3,203	3,744	11,771	46,269	2,132
<b>TOTAL</b>	<b>Hectare</b>	<b>5,644</b>	<b>11,332</b>	<b>20,971</b>	<b>139,503</b>	<b>12,799</b>

Within the scope of the “Project for Rehabilitation of Burned Areas and Establishment of Fire-Resistant Forests (YARDOP)” initiated in 2010, a study was carried out on an area of 72,992 hectares, and fire prevention installations of 375 km and various numbers of fire pools and ponds were organized using resources of TRY 33,892,474.

<sup>14</sup> 1 fire management aircraft and 6 fire management helicopters registered in the inventory of the General Directorate of Forestry were operated for fighting forest fires. 25 helicopters and 2 planes belonging to the Ministry of National Defense and the Ministry of Interior were used to fight forest fires.

In addition, 75 aircraft were leased by the Department of Defense Industry with 7 contracts for a total period of 3 years (2022, 2023 and 2024) and 6 unmanned aerial vehicles for 2022, and according to the payment plan announced by the Department of Defense Industry, TRY 2,391,685,506 was paid for 75 aircraft and TRY 184,702,450 was paid for 6 unmanned aerial vehicles.

<sup>15</sup> Within the scope of the “Helicopters and Aircraft Procurement Project” included in the revolving fund investment programme, appropriation of a total of TRY 1,509,440,323 was accounted for transfer to the Department of Defense Industry.

### 1.1.1.2 Protection of Forests against Unlawful Interference and Forest Pest Control

A fight against harmful species seen in our forests was carried out on an area of 207,306 hectares, 48,048 bird nests were hung in forest areas and 68 ants were transported. 830,252 predatory insects were produced and released into diseased areas, and 1,609 islets/wire cages were established in areas where pine processionary caterpillars were seen.

**Table 19: Forest Pest Control Implementation Areas and Costs, 2018-2022**

	Unit 2021	2018	2019	2020	2022		
					Quantity	Thousand TRY	
Biological Control	Hectare	88,096	88,835	93,790	84,226	73,840	6,649
Biotechnical Control	Hectare	84,521	79,273	106,198	125,172	73,745	8,459
Mechanical Control	Hectare	87,438	35,482	45,725	62,617	58,636	7,939
Chemical Control	Hectare	1,188	1,586	2,059	814	1,085	850

In order to increase the capacity of beneficial insect production laboratories, 79 laboratory devices were purchased during the year, and an appropriation of TRY 4.494.875 were used.

13,328 trees were evaluated in 579 Level I permanent observation plots and 7,144 trees were monitored in 50 Level II observation plots.

**Table 20: Number of Permanent Observation Plots (POPs) and Trees Evaluated, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Level II Permanent Observation Plots	Number	601	599	599	580	579
Trees Evaluated	Number	13,973	13,856	13,885	13,463	13,328
Level II Permanent Observation	Number	52	52	52	50	50
Trees Evaluated	Number	7,656	7,637	7,574	7,413	7,144

Sedimentation, spill sampling, phenological observations, air quality measurements and analyses were carried out at 18 Level II sites with intensive monitoring, and an appropriation of TRY 2,009,302 was used.

A total of 17,446 crime reports were issued by the forest guards from 18 sensitive areas and 2,186 collective protection teams established across the country.

**Table 21: Change in Forest Crimes, 2018-2022**

Year	Cutting Down		Transporting		Possessing	
	Number of Crimes	m <sup>3</sup>	Number of Crimes	m <sup>3</sup>	Number of Crimes	m <sup>3</sup>
2018	2,880	26,483	670	1,330	396	813
2019	3,356	33,742	706	1,442	642	1,514
2020	4,532	68,756	786	1,795	701	1,382
2021	4,047	38,783	548	1,450	556	1,492
2022	4,962	51,515	1,079	3,147	611	1,397
	Deforestation-Settlement		Occupation		Grazing	
	Number of Crimes	Decare	Number of Crimes	Decare	Number of Crimes	Number of Animals
2018	3,465	14,362	3,221	11,682	818	45,821
2019	3,550	13,494	3,549	12,864	834	52,385
2020	5,096	22,707	4,642	17,371	962	65,265
2021	6,043	24,677	5,987	26,290	802	61,798
2022	4,774	21,085	5,361	23,298	528	49,381

	Consumption		Hunting Crimes		TOTAL
	Number of Crimes	m3	Number of Crimes	Number of Animals	Number of Crimes
2018	58	143	2	45	11,510
2019	96	252	2	150	12,735
2020	92	146	1		16,812
2021	88	361			18,071
2022	90	144	41	107	17,446

4 “Drones” were purchased and 1,086 “Camera Traps” were installed and a total of TRY 11,384,606 was spent. In addition, a total of 671 village legal entities were cooperated with for the protection of regeneration maintenance areas and cultivation areas, and resources of TRY 27,150,802 were transferred to the villagers.

By completing the 2/B application in 250 units and revision application in 2,000 units, 5,000 hectares of land has been taken out of the forest boundaries within the scope of the 2/B application of the Forest Law No. 6831 as amended by the Law No. 3302.

**Table 22: Forest Cadastre Project Implementation Results, 2022**

	Unit	Revision	2/B	Total
Programme of the Year	Number/Unit	2,000	250	2,250
	Thousand TRY			150,000
Implementation Result	Number/Unit	2,000	250	2,250
	Thousand TRY			149,493

Permission requests other than forestry activities in areas considered as forests were evaluated during the year and submitted to the Ministry’s committee in accordance with the Presidential Circular No. 2018/8, and requests that are approved were subject to permission.<sup>16</sup>

In order to raise and spread the love of forests and environmental awareness, to promote our forests and forestry services to large masses, and to constantly inform the society about forests and forestry-related issues;

- Activities on the love of nature and forests were organized at the level of all regional directorates and participation in the activities organized by the local people was ensured.
- In order to promote the activities and to constantly inform the society about forestry and forests, cooperation was made with broadcasting organizations, and meetings and promotional trips were organized with media organizations, and Squirrel Children’s Magazine is especially delivered to primary-school-age children in rural areas.
- The “Embracing the Forest and Nature Walks” organization and the “Forest Volunteers Youth Camp” practice were continued at the regional level, and activities were organized within the framework of the protocols signed with the Provincial Directorates of Youth and Sports.
- Forest sports clubs of various branches within the regional directorates of forestry were supported, and activities of various types and contents were organized within the scope of the protocol signed with the Provincial Directorates of Youth and Sports.

## 1.1.2 Development and Expansion of Forests

### 1.1.2.1 Afforestation and Sapling and Seed Production

A survey-project of 95,308 hectares, a total of 29,631 hectares of afforestation<sup>17</sup>, including 17,655 hectares of industrial afforestation, and 104,588 hectares of afforestation maintenance activities were carried out.

<sup>16</sup>“Directive on Delegations of Authority, Signatures and Division of Labor” of Regional Directorates of Forestry was put into effect and the power to grant permission was changed within the scope of Articles 16, 17/3 and 18 of the Forest Law, and the permission processes were accelerated. Permission requests regarding “mushroom and medicinal aromatic plant cultivation, establishment of forest plant nurseries and non-wood product processing facilities” were received and started to be evaluated in 2022.

The statement “establishing fish farming areas using forest water resources” was added after the wording “opening of pits” in the first sentence of the article 2 of the Law No. 7346 on the Amendment of Certain Laws, and the statement “mussels and oysters” was added after the wording “fish” in the first sentence of article 18 of the Forest Law, and the process of receiving and evaluating requests started in this context.

**Table 23: Results of Afforestation Activities, 2018-2022**

	2018 2021	2019	2020	2022				
				Programme		Implementation		
				Hectare	Thousand TRY TRY	Hectare	Thousand TRY	Thousand TRY
Survey-Project	356,029	180,684	155,382	141,100	88,586	1,881	95,308	2,585
Afforestation	45,015	17,871	28,632	35,371	30,465	358,346	29,631	322,363
Afforestation Maintenance	165,126	153,428	152,200	97,676	102,631	190,892	104,588	219,716

A grant of TRY 111,677,979 was allocated to the projects of village legal entities, a loan of TRY 5,272,000 was allocated to the projects of natural and legal entities, and private afforestation activities of TRY 6,537 hectares were completed.

**Table 24: Results of Special Afforestation Activities, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Special Afforestation	Hectare	2,468	3,692	4,374	5,755	6,537
Grants	Thousand TRY	9,244	16,826	36,154	46,674	111,678
Loans	Thousand TRY	2,113	949	68	31	5

170,000,000 saplings were produced (new production)<sup>18</sup> and 90,000,000 saplings were maintained (transferred and new production), and 116.8 tonnes of seeds were produced from ornamental plants and coniferous and deciduous forest tree species, especially black pine, yellow pine, red pine, Oriental beech, mahaleb, silverberry, oak, almond, etc.<sup>19</sup>

**Table 25: Production and Use Capacity of Nurseries, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Number of Nurseries	Number	137	138	137	135	136
	Hectare	3,290	3,290	3,270	3,351	3,367
Sapling Production and Maintenance	Thousand	320,350	242,436	273,534	274,930	260,000
Seed Production	Tonne	222.7	132.6	143.8	146.5	116.8

**Table 26: Sapling and Seed Production, 2022**

	Unit	2022			
		Program		Implementation	
		Quantity	Thousand TRY	Quantity	Thousand TRY
Sapling Production (New Production)	Thousand (pcs)	170,000	219,266	170,000	218,376
Sapling Maintenance (Transferred and New Production)	Thousand (pcs)	90,000	37,282	90,000	38,454
Seed Production	Tonne	112.00	8,470	116.75	8,055
Seed Maintenance	Tonne	100.00	1,000	100.00	855
Tree and Seed Improvement	Hectare	62.00	1,240	45.40	845
Tree and Seed Improvement Maintenance	Hectare	1,677.0	3,360	1,678.7	2,867
Encirclement of Tree and Seed Improvement Areas	Km	15.00	770	8.83	451
Sapling Rootstock Production	Number	26,500	215	26,500	183
Grafted Sapling Production	Number	13,500	115	10,000	115

<sup>17</sup> 11,976 hectares of afforestation and 54,305 hectares of afforestation maintenance activities were completed for the Forest Development and Expansion Project, 17,655 hectares of industrial afforestation and 49,483 hectares of industrial afforestation maintenance were completed for the Industrial Plantation Project, and 800 hectares of afforestation maintenance activities were completed for the Murat River Basin Rehabilitation Project. 552 hectares of afforestation activities carried out by other institutions are not included in the total number.

<sup>18</sup> Production of income-generating sapling species was increased and 5.2 million lavender, 3.4 million almond and 191 thousand olive saplings were produced.

<sup>19</sup> Sapling production is carried out in 136 forest nurseries established on an area of 3,367 hectares and new nurseries are established according to needs.

As part of capacity improvement in nurseries, the purchase of various machinery and equipment and maintenance and repair works were completed and resources of a total of TRY 65,752,144 were used.

Forest tree sapling sales revenue amounted to TRY 209,860,634, ornamental plant sales revenue amounted to TRY 49,872,298 and seed sales revenue amounted to TRY 931,554, and 13,123,152 saplings were distributed free of charge to schools, universities, military units, municipalities, public institutions and organizations and our citizens.

### 1.1.2.2 Forest Maintenance, Regeneration and Rehabilitation

As part of maintenance activities, a total area of 705,421 hectares was maintained, including 8,632 hectares of pruning.

**Table 27: Results of Maintenance Activities, 2018-2022**

	2018 2021	2019	2020	2022				
				Programme		Implementation		
				Hectare	Thousand TRY	Hectare	Thousand TRY	Thousand TRY
Regeneration Maintenance	153,339	165,022	167,683	188,404	203,917	200,010	207,751	200,010
Frequent Maintenance	171,138	171,712	178,839	191,630	164,831	64,148	178,739	64,148
Pruning	12,638	11,346	9,936	8,732	8,104	12,622	8,632	12,622
Initial Thinning Maintenance	71,549	77,536	79,393	89,544	86,924		85,578	
Transformation of Coppice	77,448	75,647	72,843	69,341	60,610	10,352	67,876	10,352
Cultivation Maintenance	138,682	127,248	117,563	97,021	113,266	80,540	120,875	80,540
Industrial Maintenance				36,275	36,000	17,724	35,970	17,724

299 silviculture plans have been prepared, 209 of which have been revised, and natural regeneration of 88,270 hectares and artificial regeneration of 27,800 hectares have been completed.

**Table 28: Results of Regeneration Activities, 2018-2022**

	2018 2021	2019	2020	2022				
				Programme		Implementation		
				Hectare	Thousand TRY	Hectare	Thousand TRY	
Natural Regeneration	30,735	24,652	53,240	32,435	81,645	279,541	88,270	279,541
Artificial Regeneration	10,102	8,786	10,139	18,798	27,497	163,208	27,800	163,208

During the ongoing rehabilitation activities, a total area of 55,107 hectares was rehabilitated including 35 hectares of rehabilitation of mining areas.<sup>21</sup>

**Table 29: Realizations in Rehabilitation Activities, 2018-2022**

	2018 2021	2019	2020	2022				
				Programme		Implementation		
				Hectare	Thousand TRY	Hectare	Thousand TRY	Hectare
Rehabilitation	112,273	73,248	56,576	85,098	43,208	33,839	55,107	33,157
Rehabilitation Maintenance	58,152	39,768	34,589	44,292	35,830	20,565	36,365	21,355

<sup>20</sup> In accordance with the Law No. 4122 on National Afforestation and Erosion Control Mobilization and the Decree No. 2013/4777 of the Council of Ministers, dated 06.05.2013 published in the Official Gazette No. 28688 dated 25.06.2013, saplings are distributed free of charge to public institutions, military units, educational institutions and non-governmental organizations.

<sup>21</sup> A total of 1,784 hectares of rehabilitation activities including 35 hectares of mine sites and a total of 36,275 hectares of rehabilitation maintenance activities including 905 hectares of mine sites were completed for the Forest Development and Expansion Project, 53,273 hectares of rehabilitation activities were completed for the Silvicultural Practices, and 50 hectares of rehabilitation activities and 90 hectares of rehabilitation maintenance activities were completed for the Murat River Basin Rehabilitation Project.

### 1.1.3 Management of Forests

#### 1.1.3.1 Management Activities

In 2022, a management plan was made for a total area of 2,351,928 hectares including 430,870 hectares by our chief engineering directorates and 1,921,058 hectares through service procurement and resources of a total of TRY 30,724,000 was used.

**Table 30: Forest Areas with Forest Management Plan, 2018-2022**

	2018	2019	2020	2021	2022
Hectare	1,329,408	957,019	1,953,580	1,539,855	2,351,928

**Table 31: Forest Management Project Implementation Status, 2022**

Investment Programme	Implementation								
	Delegations Forest		Tender		National Inventory		TOTAL		
	Hectare	Thousand TRY Thousand TRY	Hectare Hectare	Thousand TRY Thousand TRY	Hectare	Thousand TRY	Hectare	Thousand TRY	
	2,351,928	30,943	430,870	5,212	1,921,058	20,409	5,103	2,351,928	30,724

Draft maps of stands were produced in Amasya, Denizli and Kayseri Regional Directorates of Forestry in an area of 4,210,931 hectares, and TRY 3,713,475 of the appropriation of TRY 5,075,000 received for the programme was spent. Also the orthophoto production and procurement processes for the area of 653,559 hectares were completed and resources of TRY 310,085 were used.

#### 1.1.3.2 Wood Production, Standardization and Certification

The production programme was prepared considering the production capacity of the forests and market demands, and 25,480,940 m<sup>3</sup> of industrial wood and 6,128,791 steres of firewood were produced.

**Table 32: Wood Production Programme and Realizations, 2018-2022**

	Unit	2018	2019	2020	2021	2022	
						Programme	Realization
Standing Tree Mark	M <sub>3</sub>	24,437,797	28,662,997	31,699,680	36,133,585	37,000,000	34,159,056
Industrial Wood	M <sub>3</sub>	19,080,137	22,113,249	24,751,066	27,735,268	29,600,000	25,480,940
Firewood	Stere	4,890,455	5,589,798	5,396,680	5,487,368	5,000,000	6,128,791
Production Cost (Primary)	Thousand TRY	1,252,530	1,745,463	2,307,046	2,782,658	6,000,000	5,911,995

**Table 33: Industrial Wood Production Figures, 2018-2022**

	Unit 2021	2018	2019	2020	2021	2022	
						Programme	Realization
Logs	M <sub>3</sub>	7,152,776	8,514,026	9,790,637	10,327,486	9,650,000	8,609,521
Utility Poles	M <sub>3</sub>	71,147	58,333	68,298	99,211	70,000	72,372
Mine Poles	M <sub>3</sub>	731,604	929,259	1,070,533	1,254,837	1,575,000	957,835
Industrial Wood	M <sub>3</sub>	875,403	1,008,952	1,092,798	1,195,476	2,275,000	1,031,331
Pulpwood	M <sub>3</sub>	2,874,882	3,175,505	3,609,978	4,453,280	5,280,000	5,387,855
Fiber-Chip Wood	M <sub>3</sub>	7,361,714	8,417,096	9,105,038	10,388,354	10,740,000	9,411,013
Stakes	M <sub>3</sub>	12,611	10,078	13,784	16,624	10,000	11,013
<b>TOTAL</b>	<b>M<sub>3</sub></b>	<b>19,080,137</b>	<b>22,113,249</b>	<b>24,751,066</b>	<b>27,735,268</b>	<b>29,600,000</b>	<b>25,480,940</b>

Efforts to increase the sales of standing trees were continued in terms of efficient and rational management, 12,464,558 m<sup>3</sup> of standing trees, 14,432,497 m<sup>3</sup> of industrial wood and 4,959,239 steres of firewood were sold.<sup>22</sup>

**Table 34: Wood Sales Quantities, 2018-2022**

	Unit 2021	2018	2019	2020	2022		
					Quantity	Thousand TRY	
Industrial Wood	Thousand M <sup>3</sup>	12,679	13,606	16,109	17,071	14,432	18,942,608
Firewood	Thousand Steres	3,888	4,396	6,874	4,538	4,959	595,290
Standing Trees	Thousand M <sup>3</sup>	8,006	9,308	9,914	13,361	12,465	9,428,220

A forest management certificate (FSC) was obtained for 6,577,142 hectares of forest area covering 80 forest district directorates<sup>23</sup>, and within the scope of the “Project for Establishment of the Wood Building Material Testing Laboratory”, no resources were used.

**Table 35: Number of Forest Areas with Forest Management Certification, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Area of Certified Forests (Cumulative)	Hectare	2,367,000	4,276,219	6,577,142	6,577,142	6,577,142

### 1.1.3.3 Evaluation and Expansion of Non-Wood Forest Products and Services

24 “Ecotourism Management Plans” were completed in accordance with the “Communiqué No. 308 on Procedures and Principles for the Management of Ecotourism Areas”. Non-wood forest products sales revenue was 33,218,750 TL<sup>24</sup>, and as a result of inventory studies, 124,308 tonnes of non-wood forest products were identified in an area of 354,404 hectares.

**Table 36: Production Quantities of Non-Wood Forest Products, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Production Quantities	Tonne	701,092	771,000	829,000	928,000	1,060,000
Sales Revenues	Thousand TRY	8,104	12,650	15,288	18,407	33,218

In order to ensure that the public can benefit from the social functions of forests to the maximum extent, to meet the needs for sports, ecotourism, picnics, recreation and entertainment, and to regulate forest-public relations, the establishment of forest parks<sup>25</sup> was continued, 149 forest parks were registered during the year, and the “Ankara Beştepe National Forest”, “Bursa National Forest” and “Mardin National Forest” were established.

In order to protect and ensure the sustainability of biodiversity, biodiversity was integrated into forest management plans in 3 forest district directorates<sup>26</sup>, and the results summarized below have been achieved during the year with action plans whose implementation period is ongoing and/or completed

<sup>22</sup> In 2022, e-sales application was continued and 6,406 tenders were held.

<sup>23</sup> The forest management certificate reached the approval stage in the forest area of 1,529,275 hectares covering 15 forest district directorates in the Amasya Regional Directorate of Forestry which is targeted to be completed by the end of 2022.

<sup>24</sup> The sales of non-wood forest products are carried out according to the tariff price determined each year. Payments for the productions caused by the administration to be carried out at a unit price are made from the item of general production costs and released to the market through the tenders of the relevant Forest District Directorate. The tender price (estimated price) for products sold by tender is determined by deducting the actual expenses from the cost price, which will be calculated by addition of the distribution expenses, tariff price, sales expenses and reconstruction expenses to the actual expenses prepared for each year.

<sup>25</sup> “Regulation on Forest Parks” was published in the Official Gazette dated 28 May 2022 and numbered 31849. Before the date the regulation entered into force, type A, type B, type C recreation areas and type D recreation areas called city or urban forests were called forest parks with or without accommodation without any process.

<sup>26</sup> A biodiversity database was created within the scope of the Forest Information System Project (ORBIS) for the detection, identification and creation of the inventory, of biodiversity and was made available as of February 2018. In 2022, 3,078 data were recorded and a total of 31,570 data records were accessed.

- 725 tonnes of resins were produced, and a work was carried out on an area of 1,044 hectares within the scope of transforming areas with plenty of acorns into the class of acorn business for the purposes of plant production operations.
- Within the scope of transforming areas with plenty of cedar mushroom into the class of cedar mushroom business for the purposes of plant production operations, a work was carried out on an area of 335 hectares and a truffle forest was created in an area of 109 hectares.
- Laurel rehabilitation was carried out in an area of 2,855 hectares and 64 honey forests were established.

The process for carbon markets was initiated and “the General Directorate of Forestry Carbon Markets Scientific Committee” meeting was held during the year.

#### 1.1.3.4 Services related to Forest Roads

10,180 km of road works were carried out, 215,015 km of construction, maintenance and repair works, 8,292 km of application and 1,948 km of cultural structures were completed and resources of TRY 1,584,709,660 were used.

**Table 37: Results of Forest Road Construction Programme Implementation, 2018-2022**

	Unit 2021	2018	2019	2020	2022				
					Programme		Implementation		
					Quantity	Thousand TRY	Quantity	Thousand TRY	
Forest Road Network	Number	143	298	278	862				
New Roads	Km	2,902	1,324	2,675	3,822	6,901	781,392	6,865	777,389
Application	Km	8,826	109		1,307	8,302	26,945	8,292	11,720
Fire Safety Roads	Km	169	113	173	152	390	7,967	374	5,612
Tower Hut Road	Km	3				2	19	2	19
Tractor Road	Km	969	1,025	1,538	2,538	3,048	54,566	2,740	78,631
Internal Warehouse Path	Km	147	136	167	272	231	5,485	199	4,116

**Table 38: Results of Maintenance, Restoration, Cultural Structure and Bridge Programme Implementation, 2018-2022**

	Unit 2021	2018	2019	2020	2022				
					Programme		Implementation		
					Quantity	Thousand TRY	Quantity	Thousand TRY	
Major Repair	Km	3,184	1,389	1,354	1,630				
Superstructure	Km	2,843	515	710	942	1,167	75,457	1,132	69,953
Skidding Road	Km					3,304	28,742	2,686	22,550
Bridges	M	111	12	55					
Cultural Structure	Km	3,696	873	2,071	1,251	1,928	136,760	1,948	122,890
Maintenance of Fire Safety Roads	Km	24,584	24,911	25,088	23,595	23,956	25,554	22,770	22,777
Tower Hut Road	Km	1,605	1,562	1,585	1,473	1,298	664	1,206	673
Production Path Maintenance	Km	169,293	168,590	171,251	175,803	182,303	439,729	187,221	468,380

## 1.2 Use and Management of Soil and Water Resources

### 1.2.1. Conservation, Development and Effective Use of Soil Resources

#### 1.2.1.1. Combating Desertification and Erosion

A total of 36,088 hectares of soil conservation activities including 16,238 hectares of flood control, 88,902 hectares of soil conservation maintenance activities and 10 hectares of flood control maintenance activities were completed.<sup>27</sup>

<sup>27</sup> 35,638 hectares of soil conservation activities including 16,238 hectares of flood control, and 81,402 hectares of soil conservation maintenance activities were completed for the Erosion Control and Soil Conservation Project, and 450 hectares of soil conservation activities and 7,500 hectares of soil conservation maintenance activities were completed for the Murat River Basin Rehabilitation Project.

**Table 39: Soil Conservation and Erosion Control, 2018-2022**

	Unit	2018	2019	2020	2021	2022			
						Programme		Implementation	
						Quantity	Thousand TRY	Quantity	Thousand TRY
Soil Conservation and Erosion Control	Hectare	86,758	16,538	20,902	36,695	37,152	115,634	36,088	98,026

### 1.2.1.2. Pasture Improvement

Within the scope of the projects included in the 2022 investment programme, pasture improvement activities were completed in an area of 12,893 hectares.<sup>28</sup>

**Table 40: Pasture Improvement Activities, 2018-2022**

	Unit	2018	2019	2020	2021	2022			
						Programme		Implementation	
						Quantity	TRY	Quantity	TRY
Pasture Improvement	Hectare	20,518	8,088	10,438	12,394	13,495	15,214	12,893	17,891

The summary information about the developments and realizations achieved with the basin rehabilitation projects included in the investment programme are provided below.

**Table 41: Results of Murat River Basin Rehabilitation Project Implementation, 2022**

	Unit	Programme		Implementation	
		Quantity	Thousand TRY	Quantity	Thousand TRY
Afforestation Maintenance	Hectare	800	3,790	800	3,790
Rehabilitation	Hectare	50	188	50	188
Rehabilitation Maintenance	Hectare	90		90	
Erosion Control	Hectare	450	2,250	450	2,250
Erosion Control Maintenance	Hectare	7,500	1,375	7,500	1,374
Pasture Improvement	Hectare	1,200	3,906	1,200	3,906
Improvement of Living Conditions of People	+		12,926		12,924
Vehicle Rental	+		192		165
Technical Assistance, Training, Courses...	+		10,823		10,585

**Table 42: Results of Bolaman River Basin Rehabilitation Project Implementation, 2022**

	Unit	Programme		Implementation	
		Quantity	Thousand TRY	Quantity	Thousand TRY
Pasture Improvement	Hectare	475	1,050		
Flood Control	Hectare	948	2,100		
Consultancy/Supervision	+		2,549		1,466
Technical Cap. Building, Training Printed Publications, ...	+		94		29
Hardware Procurement	+		454		334
Improvement of Nurseries	+		2,100		
Improvement of Living Conditions of People	+		5,463		
Development of Recreational Areas and Ecotourism	+		4,934		

<sup>28</sup> 11,693 hectares of pasture improvement activities were completed for the Erosion Control and Soil Conservation Project, and 1,200 hectares of pasture improvement activities were completed for the Murat River Basin Rehabilitation Project.

**Table 43: Results of Çekerek River Basin Rehabilitation Project Implementation, 2022**

	Unit	Programme		Implementation	
		Quantity	Thousand TRY	Quantity	Thousand TRY
Erosion Control	Hectare	480	515		
Pasture Improvement	Hectare	150	342		
Consultancy/Supervision	+		3,559		2,078
Technical Cap. Building, Training Printed Publications, Workshops and Daily Allowances	+		1,206		419
Hardware Procurement	+		504		341
Software Procurement	+		300		
Afforestation	Hectare	450	4,083		
Rehabilitation	Hectare	110	398		
Improvement of Nurseries	+		1,058		
Improvement of Living Conditions of People	+		4,174		
Development of Recreational Areas and Ecotourism	+		18,085		18,084

## 1.3 Rural Development

### 1.3.1. Development and Support of Forest Villagers

#### 1.3.1.1 Support of Forest Villagers

TRY 530,693,409 of the resources amounting to a total of TRY 531,395,000, including TRY 425,116,000 loaning and TRY 106,279,000 capital transfer (grant), was spent<sup>29</sup>, and 59 individual loan type projects from different project types were approved.

**Table 44: Individual and Cooperative Loan Implementations, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Individual Loans	Thousand	309,066	340,837	368,833	391,599	522,395
Cooperative Loans	Thousand TRY	3,314	5,123	874	7,686	8,299
<b>TOTAL</b>	<b>Thousand</b>	<b>312,380</b>	<b>345,960</b>	<b>369,707</b>	<b>399,285</b>	<b>530,694</b>

Based on 2022 Deflator Coefficient

**Table 45: Social and Economic Individual Loan Implementations, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Social Loans	Thousand TRY	20,389	26,286	28,195	48,680	55,192
Economic Loans	Thousand TRY	288,677	314,551	340,638	342,919	467,203
<b>TOTAL</b>	<b>Thousand</b>	<b>309,066</b>	<b>340,837</b>	<b>368,833</b>	<b>391,599</b>	<b>522,395</b>

Based on 2022 Deflator Coefficient

Individual support was provided to 10,418 families through social and economic practices, and a resource of TRY 522,394,657 was provided. <sup>30</sup>

**Table 46: Number of Families Benefiting from Individual Loan Implementations, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Social Loans	Number	2,216	2,163	2,119	3,640	2,668
Economic Loans	Number	6,303	7,178	7,129	7,487	7,750
<b>TOTAL</b>	<b>Number</b>	<b>8,519</b>	<b>9,341</b>	<b>9,248</b>	<b>11,127</b>	<b>10,418</b>

<sup>29</sup> Individual loans: loaning of TRY 417,915,725, capital transfer (grant) of TRY 104,478,932. Cooperative supports: loaning of TRY 6,639,002, capital transfer (grant) of TRY 1,659,750

<sup>30</sup> Within the scope of economically supported projects, three new types of projects were put into practice, namely "Aronia Cultivation", "Mechanical Charcoal Production" and "Plum Production in Greenhouses", and projects such as log handling cranes (drums), tractors and chain saws, etc. were continued to be supported in order to meet the demands of forest villagers, who actually work in forest goods production, for production mechanization.

**Table 47: Number of Families Benefiting from Individual Loan Implementations by Loan Types, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Roof Covering	Number	960	958	1,046	978	890
Insulation and Floor Heating Systems	Number	589	911	711	1,030	822
Solar Water Heating System	Number	667	221	116	338	173
Technical Beekeeping	Number	311	312	171	240	349
Livestock Breeding	Number	5,896	5,806	5,488	5,751	5,614
Handicrafts and Domestic Crafts	Number	30	77	88	68	64
Facility Acquisition and Conversion	Number	66	218	77	213	217
Indoor Electrical Installation	Number		73		124	89
Production Mechanization	Number		765	1,305	1,215	1,506
Disaster Payments	Number			246	609	
Pellet Heating System	Number				10	8
Roof Type Solar Energy Electricity Production System	Number				551	686
<b>TOTAL</b>	<b>Number</b>	<b>8,519</b>	<b>9,341</b>	<b>9,248</b>	<b>11,127</b>	<b>10,418</b>

10 cooperative projects prepared by Agricultural Development Cooperatives established in forest villages were approved and 9 projects were implemented, and resource of a total of TRY 8,298,752 was allocated.

**Table 48: Distribution of Cooperative Loans by Year, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Number of Projects Implemented	Number	4	5	2	12	9
Cooperative Loans	Thousand TRY	3,314	5,123	874	7,686	8,299

Based on 2022 Deflator Coefficient

## 1.4 Management and Support Programme

### 1.4.1 Inspection, Audit and Consulting Services

#### 1.4.1.1 Internal Audit

Internal Audit Plan for the Period 2022-2024 and Internal Audit Programme 2022 have been prepared, and 2 system and 19 compliance audits included in the programme have been carried out.

**Table 49: Number of Internal Audits Performed, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Compliance Audits	Number	6	15	5	10	19
System Audits	Number	6	2	3	2	2

21 internal audit reports were prepared, application errors were evaluated within the framework of the legislation, and suggestions for improvement were reflected in the reports. Also, 7 inspection reports were prepared, and compliance audits of information systems were carried out within the scope of the "Information and Communication Security Guide" published by the Presidential Digital Transformation Office.

**Table 50: Number of Internal Audit Reports Issued, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Internal Audit Report	Number	12	17	8	12	21
Inspection Report	Number	1	1	1	1	7
Consulting Reports	Number	1				

An internal evaluation for 2021 was made within the framework of the Quality Assurance and Development Program, and it was stated in the review report that it was “Generally Compliant with Public Internal Audit Standards”.

### 1.4.1.2 Inspections, Audits and Investigations

As a result of administrative and technical inspections carried out to ensure that forestry activities are carried out effectively, efficiently and in accordance with economic management principles, a total of 259 reports of different types were prepared and implemented.

**Table 51: Number of Inspection Reports Issued and Implemented, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Inspection Reports	Number	76	106	422	117	73
Disciplinary Investigation/Investigation Reports	Number	62	54	49	39	60
Preliminary Inspection Reports	Number	17	12	16	17	20
Inspection Reports with Response	Number	82	130	4	24	84
Consignment Reports	Number	11	9	13	7	10
Judicial Investigation/Investigation/Regulation Reports	Number	9	7	15	8	12

### 1.4.1.3 Corporate International Cooperation Activities

In the process of sharing the experiences gained throughout the country in the forestry on an international scale and developing cooperation in the implementation of scientific/technical developments, 73 temporary international assignment approvals were obtained, 211 employees were assigned abroad, and the studies summarized below were carried out.

- In 2022, the National Greenhouse Gas Inventory and Inventory Report (NIR) was prepared and reported for the years (1990-2020) and the 2023 report preparation process was initiated. The renewal of the LULUCF (Land Use, Land-Use Change, and Forestry) land use matrix is important in terms of the significant contribution it will make to the increase of the accuracy of the report, and a project proposal has been submitted to the EU delegation within the scope of IPA III.<sup>31</sup>
- As of 2023, our country, which has assumed the position of Vice President of Forest Europe, will host the Ministerial Conference to be held in Germany in the autumn of 2024 together with Germany as President. Following the conference, it will also take over the position of President of Forest Europe as of 2025. In order that this process function properly and the transfer of the position of President be easy, the Liaison Unit Bonn (LuBo) and bilateral meetings with Germany as President as well as other meetings of the process will be continued online and physically in the upcoming period.
- The position of President of FAO-SilvaMed, which has been taken over by our country as of 2022, is actively continued. In this context, upon the invitation of the secretariat of FAO Silvamed, conferences and workshops on forest and ecosystem restoration in the Mediterranean Region were attended, and the activities of the General Directorate of Forestry within the scope of rehabilitation, restoration and Bonn Challenge were introduced. In addition, the FAO-Silvamed Forest Fires Working Group meeting was hosted by our country.
- Contributions were made to the “National Contribution Project”, “Project for Strengthening the Implementation Capacity and Developing Incentive Mechanisms for Adaptation to Climate Change” and “Project for Support of the Preparation of 8th National Communication and 5th Biennial Report on Climate Change of Türkiye”, which are among the international projects related to climate change and carried out by the Ministry of Environment, Urbanization and Climate Change.
- The negotiations for the United Nations Framework Convention on Climate Change (UNFCCC) and the processes related to the United Nations Forum on Forests (UNFF10) were followed, and the meetings and relevant sessions were attended.
- Contributions were made to the “Bridges from Türkiye to Africa (BRIDGES) Project” prepared within the scope of the FAO-Türkiye Forestry Partnership Program (FTPP), “Project for Restoration of Degraded Forest Areas and Other Areas” and other projects to be developed within this scope.

<sup>31</sup> Within the scope of UNFCCC obligations, it is necessary to prepare the National Greenhouse Gas Inventory of our forests and the National Greenhouse Gas Inventory Report of the LULUCF sector every year, to send it to the Turkish Statistical Institute for submission to the Secretariat of United Nations, and to fulfill the duty of ensuring the Quality Control/Quality Assurance of this report.

- A “Memorandum of Understanding in Forestry” was signed with Serbia, Kazakhstan and Kosovo. In addition, a “Fellowship Agreement” was signed between the Forest Cantons of the Federation of Bosnia and Herzegovina and the Regional Directorates of Forestry.
- 2 crawler excavators (Uzbekistan) - 2 crawler excavators, 44 thousand saplings and 150 kg of seeds (Azerbaijan) - 500 rootstocks *Calosoma Sycophanta* (Albania) - 6 kg of cedar seeds (Bosnia and Herzegovina) were granted, and support was provided for the efforts to fight forest fires in Georgia.
- 98 experts from 8 countries visited the General Directorate of Forestry, 63 institutional employees visited 9 countries as delegations, information was provided on forestry and forest resource management, and cooperation opportunities were considered. In addition, 94 employees from 6 countries were trained on forestry.

The summary information about the developments and realizations achieved with the outsourced projects are provided below.

Project Name	Studies Concluded in 2022
Project for Strengthening the Conservation of Biodiversity and Sustainable Management of Forest Landscapes in Kazdağları Region <sup>32</sup>	The process regarding the project initial workshop was evaluated, project introduction and implementation field visit was performed with the participation of relevant parties.
ERASMUS + Accredited Projects for Mobility of Learners and Staff in Vocational Education (KA121-VET) <sup>33</sup>	The grant budget for 2021 was announced as 122,000 Euros, and the agreement was signed in 2022. According to the grant agreement, 5 different mobility programmes were accepted for 35 people and 15 employees were ensured to participate in 4 different types of activities in 2022. An application was made for 2022 grant budget and a grant of 164,000 Euros was accepted by the Türkiye National Agency, and a grant agreement was signed.
Project for Sustainable Energy Financing Mechanism for Photovoltaic Electricity Production in Forest Villages (ORKÖY PV Project):	Rooftop solar power systems of variable capacities were installed in a total of 686 houses in 71 villages in 16 provinces (Ankara, Bolu, Bursa, Çanakkale, Denizli, Eskişehir, Elazığ, İzmir, Kayseri, Kahramanmaraş, Konya, Kütahya, Mersin, Muğla, Sakarya, Zonguldak) and grants and loans amounting to TRY 33,991,060 were provided.
Project for Promoting Low Cost Energy Efficient Wooden Buildings in Türkiye <sup>34</sup>	The project evaluation process is ongoing.
Türkiye Resilient Landscape Integration Project (TRLIP)	The project implementation area covers the Bolaman and Çekerek Basins. The total project budget allocated for 2022 is TRY 105,672,000 and the total expenditure for both regions is TRY 26,497,117. 10 sub-projects were contracted in 2022 and the total contract price is TRY 24,978,311.
The Murat River Basin Rehabilitation Project: Development) was closed	The project supported by the IFAD (International Fund for Agricultural

## 1.4.2 Senior Management, Administrative and Financial Services

### 1.4.2.1. Activities Related to Information Technology

Various IT materials including 1 laptop and 700 desktop computers, 32 tablet computers, 655 monitors, 8 projectors, 39 multifunctional printers, 3 document scanners, 2 projectors and 2 integrated servers were procured, the activities summarized below were completed and resources of a total of TRY 135,855,891 were used.

- Maintenance and support services were procured for modules completed within the scope of the Forest Information System (ORBIS) Project.

<sup>32</sup> The comprehensive project document authoring process of the project proposal, which obtained approval from the GEF administrative focal point in 2019, was completed in 2022 and submitted to the secretariat of GEF through the implementing agency FAO.

<sup>33</sup> The projects will be implemented in 2021-2027, and a budget request is made for vocational training for each year. The program started in 2022 due to the pandemic.

<sup>34</sup> The process regarding the project agreement is ongoing and will be signed between the implementing agency UNDP, the General Directorate of Forestry and the General Directorate of Multilateral Economic Affairs of the Ministry of Foreign Affairs.

- The website of the General Directorate was structured in accordance with the Information Security Management System (ISMS) and the Personal Data Protection Law and the infrastructure of 2 mobile applications and websites of the Regional Directorates of Forestry was updated.
- The internal and external audit process of the Information Security Management System (ISMS) was completed and the license updates of the required software and maintenance and support services were procured.
- The procurement and renewal of 6,058 e-signatures was completed, and the integration, update and renewal activities required for the services provided through e-government portal were continued.

#### 1.4.2.2 Other Support Services

TRY 10,824,044 of the appropriation of TRY 10,880,000 allocated for the purpose of increasing the capacity of the Institute Directorates, improving the physical infrastructure and financing the projects was spent, and 168 research projects were carried out, 18 of which were new.

**Table 52: Number of Research Projects Conducted and Completed, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Number of Projects Conducted	Number	220	208	196	188	168
Number of Projects Completed	Number	40	42	25	32	24

24 projects were finalized, 292,386 soil, water and plant analyses were performed, 2,107 seed quality control tests were carried out, 73 research projects prepared by public institutions/organizations and universities were examined and permission documents were issued.

Major repairs and constructions of the administrative buildings were continued and resources of a total of TRY 56,954,000 were used for construction of new and supplementary buildings as well as maintenance and repair of existing buildings and facilities.

TRY 6,106,852,698 was spent for operating and repair-maintenance expenses of service vehicles and production and protection machines, and TRY 2,490,273,983 was spent to purchase various vehicles, machinery and equipment as detailed below.

**Table 53: Machinery Park Operating Expenses, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Operating Time	Hour	1,850,044	898,419	974,100	1,039,266	1,050,815
	Kilometer	102,684,566	94,565,843	110,004,506	127,831,877	125,339,636
Consumed Fuel	Liter	34,838,932	27,577,415	28,246,872	31,868,793	32,926,837
	Thousand TRY	226,453	176,484	281,011	226,037	1,036,464
Consumed Oil	Liter	167,004	152,762	143,733	166,702	158,012
	Thousand TRY	13,054	3,474	3,790	5,429	12,991
	Liter	12,640	15,439	14,484	137,233	10,933
Consumed Grease Oil		184	982	295	380	614,953
	Liter	10,445	9,270	8,253	8,383	6,773
Consumed Antifreeze		122	157	287	232	361
	Liter			113,685	32,927	43,541
Consumed Adblue				942	1,173	2,302
	Thousand TRY					
Tire Expenses		6,044	6,996	7,141	10,239	44,010
	Thousand TRY					
Spare Parts Expenses		45,994	57,068	79,135	103,811	4,922,306
	Thousand TRY					
Labour Expenses		16,019	24,009	24,782	51,636	87,804
	Thousand TRY					

**Table 54: Number of Machinery-Equipment Purchased, 2022**

	Number	Thousand TRY		Number	Thousand TRY
Fire Logistics Vehicle	73	207,132	Fire Management Vehicles	1	5,044
Water Tankers	24	153,701	Excavators (with Crusher)	30	87,232
Sprinklers	200	1,043,204	Mini Excavators	34	39,869
Dozers	24	203,775	Electric Landscaping Vehicles	2	716
Graders	40	180,385	Machinery and Equipment	Various	5,694
First Response Vehicles	197	247,167			
First Response Team Vehicles	25	23,439			
Water Supply Vehicles	38	249,211			
Trailers	8	43,705	<b>TOTAL</b>		<b>2,490,274</b>

### 1.4.2.3 General Support Services

Catering services for the personnel working in the central units of the General Directorate of Forestry and Ankara Regional Directorate of Forestry have been contracted for the period between 01.05.2022 and 31.12.2023 at a cost of TRY 11,402,937 excluding VAT.

A tender for personnel services was held at the Head Office of the General Directorate between 03.01.2022 and 30.12.2022, and the tender was cancelled as a result of the objection.<sup>35</sup> In addition, 20 vehicles were rented for use in the services performed at the Head Office and TRY 2,133,350 (excluding VAT) was paid.

### 1.4.2.4. Activities Related to Human Resources Management

A total of 1,361 employees, including 582 officers and 779 workers, left the institution, and a total of 6,859 employees, including 1,957 officers and 4,902 workers, started to work in the institution.

Position data were kept up-to-date on the public e-application and e-budget system, and 136 new positions were created for use in newly established units. In addition, 28 meetings were held in the Central Disciplinary Board and the High Disciplinary Board and 113 decisions were taken.

**Table 55: Number of Employees Leaving the Institution, 2022**

	Officers		Workers		Total		Grand Total
	Regular Employees	Contract Employees	Permanent Workers	Temporary Workers	Officers	Workers	
Retired	362	34	570	67	396	637	<b>1,033</b>
Death	26	2	30	10	28	40	<b>68</b>
Resignation	17		4	70	17	74	<b>91</b>
Termination	14	58	8	20	72	28	<b>100</b>
External Transfer	69				69		<b>69</b>
<b>TOTAL</b>	<b>488</b>	<b>94</b>	<b>612</b>	<b>167</b>	<b>582</b>	<b>779</b>	<b>1,361</b>

<sup>35</sup> A negotiated tender was held for 3 months in accordance with article 21/b of Law No. 4734, and between 01.04.2022 and 30.12.2022, 67 various service vehicles were tendered for personnel services, and a contract was signed for TRY 9,598,528 (excluding VAT).

**Table 56: Number of Employees Employed in the Institution, 2022**

	Officers		Workers		Total		Grand Total
	Regular Employees	Contract Employees	Permanent Workers	Tempor Workers	Officers	Workers	
Extra Appointment	87	1,844	72	4,830	1,931	4,902	<b>6,833</b>
Interinstitutional Transition	26				26		<b>26</b>
<b>TOTAL</b>	<b>113</b>	<b>1,844</b>	<b>72</b>	<b>4,830</b>	<b>1,957</b>	<b>4,902</b>	<b>6,859</b>

Within the scope of the prepared programmes, 77 trainings were carried out and a total of 11,887 employees were trained.<sup>36</sup>

**Table 57: Trainings Conducted and Number of Participants, 2018-2022**

	Unit	2018	2019	2020	2021	2022
Number of Trainings Planned	Number	63	38	130	248	120
Number of Trainings Conducted	Number	61	48	16	124	77
Number of Employees Trained	Number	4,410	4,077	629	6,417	11,887

In addition, 734 training activities were carried out by the regional directorates of forestry, and the internship requests of 2,366 university and 834 secondary school students were responded positively.

#### 1.4.2.5 Strategy Development and Financial Services

The preparation process for the member lists of the specialization commissions for “Protection of Forest Assets and Erosion Control” and “Forest Products” established with the Presidential Circular No. 2022/10<sup>37</sup> was coordinated, and the “Report of the Specialization Commission for Protection of Forest Assets and Erosion Control” (preliminary report) was prepared.

The preparation process for the Strategic Plan (2024-2028) of the General Directorate of Forestry was initiated<sup>38</sup> and the strategy development committee, strategic planning team and preparation programme were established.

The developments and realizations achieved with the goals and targets included in the strategic plan and annual performance programme<sup>39</sup> and with the programmes, action plans, activities and/or projects prepared for the decisions taken at the Agriculture and Forestry Council III<sup>40</sup> were recorded with the reports.

Within the framework of the Official Statistics Programme carried out by the Turkish Statistical Institute, “2021 Forestry Statistics” have been published.<sup>41</sup>

<sup>36</sup> 1,294 employees received training on “Official Correspondence and Filing Procedures”, 704 employees received training on “Occupational Health and Safety”, 48 officer candidates received training on “Officer Candidate”, and 148 trainings on the Platform were accessed by the relevant employees via the Online Training Platform of the Presidential Distance Training Portal.

<sup>37</sup> The preparation process for the Twelfth Development Plan was initiated with the Presidential Circular No. 2022/10 published in the Official Gazette dated 10 June 2022 and numbered 31862.

<sup>38</sup> Article 9 of Law No. 5018 of 10/12/2003 on Public Financial Management and Control states that the procedures and principles for scheduling the strategic planning process and associating strategic plans with the development plans and programmes will be set forth by the President. The said task was assigned to the Strategy and Budget Department by Presidential Decree No. 13.

<sup>39</sup> Within the scope of Law No. 5018, the relevant Regulation and the Presidential 100-Day Performance Program, the Strategic Plan 2017-2021 of the General Directorate of Forestry has been revised to cover the period 2019-2023.

The Performance Programme 2022 has been organized in line with the “Administrations Related to Programmes and Sub-Programmes to be Used in the Budget Preparation Process” and the “List of Administrations Responsible for Programme Coordination and Administrations Executing the Programme” in the Presidential Approval Annex No. 2 dated 16.01.2020, the “Procedures and Principles on the Preparation of Performance Programmes of Public Administrations within the Scope of Central Administration in Accordance with Programme Budget Principles” and the “Programme Budget Guide” prepared by the Department of Strategy and Budget.

<sup>40</sup> It was decided to implement 43 of the decisions taken at the Agriculture and Forestry Council held in Ankara on November 18-21, 2019, and the aforesaid decisions were announced to the public on January 30, 2020. In the action plan prepared for the decisions, the General Directorate of Forestry was directly responsible for 6 actions, while it was among the units to be cooperated for 12 actions.

In the National Data Dictionary Project developed by the Digital Transformation Office of the Presidency, data qualification studies were carried out.

Within the scope of the “Mitigation of Bureaucracy and Digital Türkiye Project” carried out by the Presidency of Digital Transformation Office, three services, namely “career portal-public recruitment”, “forest park searching” and “volunteer application for fighting forest fires”, were integrated into the e-government gateway and in line with the amendments made to the “Regulation on the Implementation of Article 18 of the Forest Law, the processes regarding the evaluation of applications for the establishment of forest plant nurseries in forest areas, mushroom and medicinal aromatic plant cultivation and non-wood product processing facility permissions through the e-government gateway and the service registration activities in the KAYSIS Service Inventory Management System (HEYS) were carried out.

The Directive on Delegations of Authority, Signatures and Division of Labor of the General Directorate of Forestry (2022/1) was prepared and put into practice, and the risks identified for each target in the strategic plan were evaluated during the year.

The “Directive on Internal Control and Preliminary Financial Control of the General Directorate of Forestry”, which was prepared and put into practice within the framework of the Regulation on the Procedures and Principles Regarding Internal Control and Preliminary Financial Control, was revised and updated. Apart from the controls carried out within the framework of the Regulation, the high-risk documents of the central and provincial expenditure units to be subject to preliminary financial control were re-evaluated in 2022 and the necessary actions/procedures were carried out on the documents to be subject to control, and 209 commitment documents and draft contracts and 268 payment order documents were checked, found appropriate and confirmed.

Quality Management System (QMS) ISO 9001:2015 has been updated; in this process, “ISO 9001 Quality Management System Information Trainings” were continued, and Quality Council Members were provided with “QMS Training”. Also risks and performance criteria related to the processes established were monitored, and the “Surveillance Inspection” conducted by TSE was successfully completed.

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<sup>41</sup> The “Official Statistics Quality Certification”, renewed for the period between 2020 and 2024, was presented to the General Directorate of Forestry at the 16th Meeting of the Statistics Council .

## 2. Assessment of Performance Results

### 2.1 Implementation Results and Evaluations Regarding Sub-Programme Targets and Indicators

**Table 58: Monitoring Form for Implementation of Performance Indicators, 2022**

PROGRAMME		PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE											
Sub-Programme		PROTECTION OF FORESTS AND FOREST RESOURCES											
Sub-Programme Target		Protecting forests against biotic and abiotic pests, and ensuring the sustainability of forest existence by monitoring the health of forest ecosystems											
Indicator Name	Unit of Measurement	Final Realization				Realization							Realization Status
		Year	Value	Indicator Targeted Value	Year-End Realization Estimated	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value	Realization Rate		
Area damaged as a result of forest fires	Hectare	2021	139,503	0	0	74	5,778	5,778	12,799	12,799	0.0	Not Reached	
Ratio of the number of man-made fires to the total number of fires	Percent	2021	87.3	84.0	84.0	100.0	80.0	80.0	83.4	83.4	100.7	Exceeded	
Area per fire	Hectare	2021	49.94	2.30	2.30	0.59	7.40	7.40	5.92	5.92	38.8	Not Reached	
Duration of first response to fire-sensitive areas of the first degree	Minute	2021	11.0	13.0	13.0	17.0	14.0	14.0	11.0	11.0	118.1	Exceeded	
Number of unmanned protection systems installed (cumulative)	Number	2021	15	5	15	15	15	15	15	15	300.0	Exceeded	
Number of laboratories established (cumulative) <sup>42</sup>	Number	2021	8	10	10	8	8	8	8	10	100.0	Reached	
Number of observation plots where the health of forest ecosystems will be monitored	Thousand Hectare	2021	21,300	24,000	24,000	21,350	21,500	21,500	22,300	22,300	92.9	Partially Reached	
Area of registered forests (cumulative)													

By taking physical measures for fighting fires, 2,160 forest fires were responded to and 12,799 hectares of forest area was damaged.

During the year, major forest fires occurred and the area per fire increased due to the adverse impacts of the extreme meteorological weather conditions, drought and climate change.

5 of the 15 unmanned protection systems were donated by OGEMVAK. The effects of both unmanned protection systems and installed camera traps were evaluated and their number was increased.

#### Evaluation

13,328 trees were evaluated in 579 Level I permanent observation plots and 7,144 trees were monitored in 50 Level II observation plots, and the planned activities could not be completed in 16 observation plots due to transportation difficulties caused by floods and landslides during the year, personnel shortages and forest fires.

By completing the 2/B application in 250 units and revision application in 2,000 units, 5,000 hectares of land has been taken out of the forest boundaries within the scope of the 2/B application of the Forest Law No. 6831 as amended by the Law No. 3302, and the registration activities with the 2/B application are planned to be completed in 2024.

<sup>42</sup> 2 laboratories built by the Food and Agriculture Organization (FAO) of the United Nations in previous years were included in the 2022 year-end performance value, and there are 10 laboratories.

**PROGRAMME PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE**
**Sub-Programme DEVELOPMENT AND EXPANSION OF FORESTS**
**Sub-Programme Target** Developing the existing forests and increasing the total forest existence and productive forest areas

Indicator Name	Unit of Measurement	Final Realization		Targeted Indicator Value	Year-End Realization Estimated	Realization						Realization Rate	Realization Status
		Year	Value			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value			
Total forest area (cumulative)	Thousand Hectares Reached	2021	23,110	23,110	23,245	23,245	23,110	23,172	23,172	23,245	23,245	100.0	
Ratio of forest areas to the area of the country	Percent	2021	29.6	29.8	29.8	29.6	29.7	29.7	29.8	29.8	100.0		Reached
Productive forest area (cumulative)	Thousand Hectares	2021	13,500	13,750	13,750	13,500	13,500	13,500	13,707	13,707	99.7		Partially Reached
Growing stock of trees per hectare	Cubic meter	2021	74.5	74.7	74.7	74.5	74.5	74.5	74.7	74.7	100.0		Reached

**Evaluation**

The forest assets cover approximately 29.8% of the country's surface area with 23,245,000 hectares. Within this area, the area of forests with normal crown closure constitutes 58.97% of the total forest area with 13,707,843 hectares, and the area of forests with low crown closure constitutes 41.03% with 9,537,157 hectares.

95.71% of the forest area is operated as groves and 4.29% as coppice, the total growing stock is approximately 1.73 billion m<sup>3</sup>, and the increment, which is an indicator of the wood raw material yield of the forests, is 47.8 million m<sup>3</sup>.

**PROGRAMME PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE**
**Sub-Programme MANAGEMENT OF FORESTS**
**Sub-Programme Target** Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products

Indicator Name	Unit of Measurement	Final Realization		Targeted Indicator Value	Year-End Realization Estimated	Realization						Realization Rate	Realization Status
		Year	Value			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value			
Number of plans renewed using geographic information systems (cumulative)	Number	2021	856	843	856	856	856	856	1,101	1,101	130.6		Exceeded
Area with non-wood forest product inventory and planning performed (cumulative)	Hectare	2021	1,900,000	1,950,000	1,950,000	1,950,000	1,970,000	1,970,000	2,010,000	2,010,000	103.0		Exceeded
Rate of productivity in industrial wood production	Percent	2021	76.8	81.0	81.0	51.8	59.9	59.9	74.6	74.6	92.0		Partially Reached
Ratio of logs of Classes I and II to total log production	Percent	2021	15.8	12.3	12.3	14.5	16.8	16.8	16.8	16.8	136.5		Exceeded
Ratio of standing tree sales to total Standing Barked Stem Volume	Percent	2021	37.0	51.0	51.0	24.2	23.7	23.7	36.4	36.4	71.3		Not Reached
Area of Certified Forests (cumulative)	Hectare	2021	6,577,142	8,000,000	8,000,000	6,577,142	6,577,142	6,577,142	6,577,142	6,577,142	82.2		Partially Reached

## PROGRAMME

## PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE

## Sub-Programme

## MANAGEMENT OF FORESTS

## Sub-Programme Target

Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products

Indicator Name	Unit of Measurement	Final Realization		Indicator Targeted Value	Year-End Realization Estimated	Realization						Realization Rate	Realization Status
		Year	Value			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value			
Number of honey forests (cumulative)	Number	2021	673	670	733	676	703	703	734	734	109.5	Exceeded	
Laurel forest rehabilitation area (cumulative)	Hectare	2021	1,950	1,750	2,250	1,950	1,970	1,970	4,805	4,805	274.5	Exceeded	
Number of ecotourism management plans (cumulative)	Number	2021	50	25	74	51	58	69	74	74	296.0	Exceeded	
Amount of resin produced (cumulative)	Tonne	2021	1,558	1,750	2,198	1,558	1,558	1,558	2,283	2,283	130.4	Exceeded	
Truffle forest area (cumulative)	Hectare	2021	455	475	556	455	455	455	564	564	118.7	Exceeded	
Ratio of roads constructed by excavator to the total amount of roads	Percent	2021	70	75	75	70	73	73	75	75	100.0	Reached	
Amount of forest roads with standards developed	Kilometer	2021	1,850	2,050	2,050	1,850	1,955	1,955	2,020	2,020	98.5	Partially reached	

## Evaluation

In the maintenance interventions carried out in forest areas, the standing tree selling rate remained below the targeted level due to the restrictions on productivity in industrial wood production and the priorities and legal rights of cooperatives as a result of the fact that the thin diameter weight was high and the yield percentage decreased due to forest fires that occurred during the year.

The forest management certification was brought to the approval stage for the forest area of 1,529,275 hectares covering 15 forest district directorates affiliated to the Amasya Regional Directorate of Forestry, which was targeted to be completed by the end of 2022.

As a result of the inventory studies carried out on non-wood forest products, studies were carried out on an area of 2,010,000 hectares in 420 different species, and a total of 1,801 forest parks were established in order to put the health, sports, aesthetic, cultural and social functions of forests into service for the public. Also, the number of ecotourism management plans reached 74 and the number of honey forests reached 734 as completed in accordance with the "Communiqué No. 308 on Procedures and Principles for the Management of Ecotourism Areas".

**PROGRAMME USE AND MANAGEMENT OF SOIL AND WATER RESOURCES**
**Sub-Programme CONSERVATION, DEVELOPMENT AND EFFICIENT USE OF SOIL RESOURCES**
**Sub-Programme Target** Controlling soil loss caused by erosion, landslides and similar reasons and increasing the improved pasture areas

Indicator Name	Unit of Measurement	Final Realization				Realization						Realization Rate	Realization Status
		Year	Value	Indicator Targeted Value	Year-End Realization Estimated	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value			
Size of area with soil loss controlled (cumulative) <sup>43</sup>	Hectare	2021	1,607,695	1,652,000	1,652,000	1,607,825	1,614,977	1,614,977	1,643,783	1,646,654	99.7	Partially Reached	
Improved pasture (cumulative)	Hectare	2021	272,394	277,000	285,000	272,554	275,809	275,809	285,287	285,287		102.9	

**Evaluation** Priority will be given to erosion and flood control projects in all basins, especially dam and pond basins, and the implementation of basin improvement, flood, avalanche and landslide projects and large-scale integrated and participatory basin improvement projects prepared against natural disasters in the upper basin areas will be continued.

**PROGRAMME RURAL DEVELOPMENT**
**Sub-Programme DEVELOPMENT AND SUPPORT OF FOREST VILLAGERS**
**Sub-Programme Target** Improving quality of life, increasing the diversity of income sources and providing employment by contributing to the socioeconomic development of forest villagers

Indicator Name	Unit of Measurement	Final Realization				Realization						Realization Rate	Realization Status
		Year	Value	Targeted Indicator Value	Year-End Realization Estimated	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value			
Number of families benefiting from ORKÖY supports	Number	2021	11,127	11,100	11,100	173	1,444	1,444	10,418	10,418	93.8	Partially Reached	
Number of cooperatives benefiting from ORKÖY supports	Number	2021	12	10	10	0	2	2	9	9	90.0	Partially Reached	
Employment provided by ORKÖY supports (cumulative)	Person/Year	2021	79,676	81,974	81,974	79,735	80,833	80,833	82,414	82,414	100.5	Exceeded	

**Evaluation** In order to meet the demands for production mechanization of forest villagers actually working for the production of forest products, support of projects such as log handling cranes (drums), tractors and chain saws, etc. was continued, and the work programme prepared accordingly was put into practice. The change in the amount of resources and demands affects the targeted indicator values, and the loan and grant support provided to the forest villagers will be increased and the change in demands will be monitored.

<sup>43</sup> 2,871 hectares, which were completed in 2018, however were found not to be included in the realization value, were included in the 2022 year-end performance value.

Table 59: Result Form for Performance Indicators, 2022

Programme Name	Sub-Programme Name	Sub-Programme Target	Performance Indicator	Criterion	Targeted Indicator Value	Year-End Realization Value	Realization Status
PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE	PROTECTION OF FORESTS AND FOREST RESOURCES	Protecting forests against biotic and abiotic pests, and	Area damaged as a result of forest fires	Hectare	0	12,799	Not Reached
			Ratio of the number of man-made fires to the total number of fires	Percent	84.0	83.4	Exceeded
		ensuring the sustainability of forest existence by monitoring the health of forest ecosystems	Area per fire	Hectare	2.30	5.92	Not Reached
			Duration of first response to fire-sensitive areas of the first degree	Minute	13.0	11.0	Exceeded
			Number of unmanned protection systems installed (cumulative)	Number	5	15	Exceeded
			Number of laboratories established (cumulative)	Number	10	10	Reached
			Number of observation plots where the health of forest ecosystems will be monitored	Number	661	629	Partially Reached
			Area of registered forests (cumulative)	Thousand Hectares	24,000	22,300	Partially Reached
PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE	DEVELOPMENT AND EXPANSION OF FORESTS	Developing the existing forests, and increasing the total forest existence and productive forest areas	Total forest area (cumulative) Ratio of forest areas	Thousand Hectares	23,245	23,245	Reached
			to the area of the country Productive forest	Percent	29.8	29.8	Reached
			area (cumulative)	Thousand Hectares	13,750	13,707	Partially Reached
			Growing stock of trees per hectare	Cubic meter	74.7	74.7	Reached
PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE	MANAGEMENT OF FORESTS	Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products	Number of plans renewed using geographic information systems (cumulative)	Number	843	1,101	Exceeded
			Area with non-wood forest product inventory and planning performed (cumulative)	Hectare	1,950,000	2,010,000	Exceeded
				Percent	81.0	74.6	Partially Reached
			Rate of productivity in industrial wood production Ratio of logs of Classes I and II I. to total log production	Percent	12.3	16.8	Exceeded
			Ratio of standing tree sales to total Standing Barked Stem Volume	Percent	51.0	36.4	Not Reached
			Area of Certified Forests (cumulative)	Hectare	8,000,000	6,577,142	Partially Reached
			Number of honey forests (cumulative) Laurel forest rehabilitation area (cumulative)	Number	670	734	Exceeded
	Hectare	1,750	4,805	Exceeded			

Table 59: Result Form for Performance Indicators, 2022

Programme Name	Sub-Programme Name	Sub-Programme Target	Performance Indicator	Criterion	Targeted Indicator Value	Year-End Realization Value	Realization Status
PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE	MANAGEMENT OF FORESTS	Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products	Number of ecotourism management plans (cumulative)	Number	25	74	Exceeded
			Amount of resin produced (cumulative)	Tonne	1,750	2,283	Exceeded
			Truffle forest area (cumulative)	Hectare	475	564	Exceeded
			Ratio of roads constructed by excavator to the total amount of roads	Percent	75	75	Reached
			Amount of forest roads with standards developed	Kilometer	2,050	2,020	Partially Reached
USE AND MANAGEMENT OF SOIL AND WATER	CONSERVATION, DEVELOPMENT AND EFFICIENT USE OF SOIL RESOURCES	Controlling soil loss caused by erosion, landslides and similar reasons and increasing the improved pasture areas	Size of area with soil loss controlled (cumulative) <sup>44</sup>	Hectare	1,652,000	1,646,654	Partially Reached
			Improved pasture area (cumulative)	Hectare	277,000	285,287	Exceeded
RURAL DEVELOPMENT	DEVELOPMENT AND SUPPORT OF FOREST VILLAGERS	Improving quality of life, increasing the diversity of income sources and providing employment by contributing to the socioeconomic development of forest villagers	Number of families benefiting from ORKÖY supports	Number	11,100	10,418	Partially Reached
			Number of cooperatives benefiting from ORKÖY supports	Number	10	9	Partially Reached
			Employment provided by ORKÖY supports (cumulative)	Person/Year	81,974	82,414	Exceeded
OTHER PERFORMANCE INDICATORS DETERMINED BY THE STRATEGIC PLAN			Number of camera traps for preventing grazing damage (cumulative)	Number	2,127	4,052	Exceeded
			Number of units for which 2/B work is performed (cumulative)	Number	25,415	23,212	Partially Reached
			Wood savings provided by social supports (cumulative)	Thousand Steres	3,475	3,515	Exceeded
			Number of families supported (cumulative)	Thousand (ncs)	540.2	550.6	Exceeded

<sup>44</sup> A total of 2,871 hectares, which were completed in 2018, however were found not to be included in the realization data, were included in the 2022 performance value.

Table 59: Result Form for Performance Indicators, 2022

Programme Name	Sub-Programme Name	Sub-Programme Target	Performance Indicator	Criterion	Targeted Indicator Value	Year-End Realization Value	Realization Status
OTHER PERFORMANCE INDICATORS DETERMINED BY THE STRATEGIC PLAN			Total amount of increments in forests (cumulative)	(Thousand M3)	47,800	47,800	Reached
			Implementation rate for industrial afforestation in potential areas	Percent	82.0	31.1	Not Reached
			Number of pilot forest sub-district directorates (cumulative)	Number	42	42	Reached
			Number of research projects completed (cumulative)	Number	284	302	Exceeded
			Number of outsourced projects completed (cumulative)	Number	26	27	Exceeded
			Coverage ratio of own revenues to expenses	Percent	61.0	74.9	Exceeded
			Rate of completion in standard position	Percent	65.0	56.0	Reached
			Rate of completion in standard position	Number	206	202	Partially Reached
			Number of risk-based audits (cumulative)	Percent	100.0	64.0	Not Reached
			In-service training programme realization rate	Hectare	15,250	10,826	Exceeded
			Amount of area per forest sub-district directorate	Person	36,000	39,920	Exceeded
			Number of employees trained in information security (cumulative)	Number	41	41	Reached
			Number of software developed and/or procured (cumulative)	Number	1	1	Reached
			Number of Disaster Recovery Centers established (cumulative)				

Realization Rate (%)	Realization Status
more than 100	Exceeded
100	Reached
100 to 80	Partially Reached
less than 80	Not Reached

## 2.2 Performance Audit Results

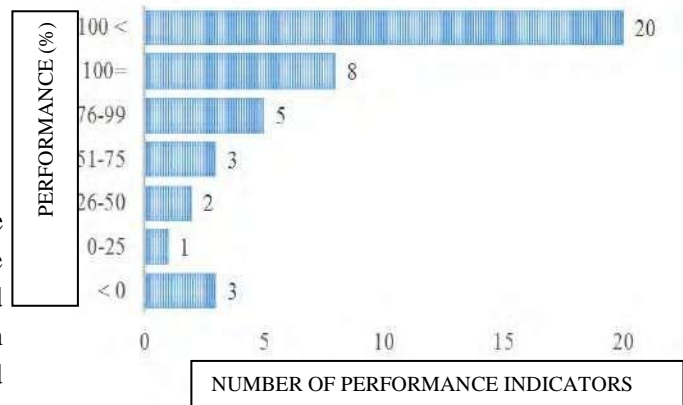
A regularity audit was carried out by the Court of Accounts in order to determine the compliance of the accounts and transactions of the General Directorate of Forestry with the laws and other legal regulations, to have reasonable assurance that the financial reports and statements accurately and reliably reflect the results of all activities and transactions, and to evaluate the financial management and internal control systems, and the report of the audit results was presented under “Management and Internal Control System” and “Financial Information”.

## 3. Assessment of Strategic Plan

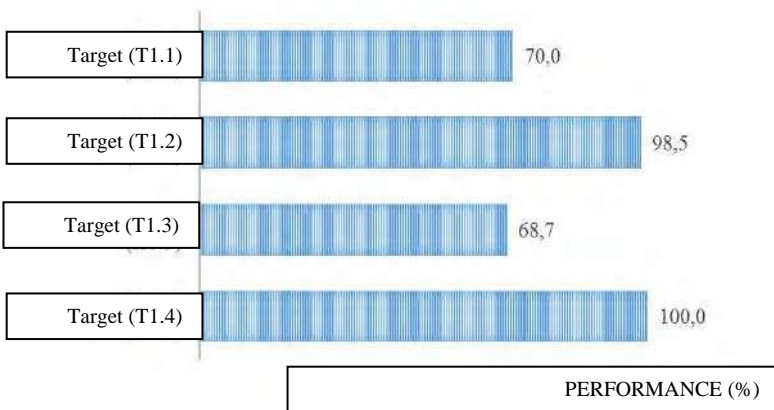
The **mission** of the General Directorate of Forestry in the 2019-2023 Strategic Plan is “to protect forests and forest resources, to develop them with an understanding close to nature, and to manage them in a way that is sustainable and provides multifaceted benefits to the society within the integrity of the ecosystem”, and its **vision** is “to be a leading institution in sustainable forest management practices”, and 17 strategic targets, 48 strategies and 42 performance indicators were determined under 4 strategic goals for the period 2019-2023.

Out of the performance indicators in the plan, 20 resulted in a performance value above the target values, 8 resulted in a performance value at the target value, and 14 resulted in a performance value below the target values.

Following the evaluation made on the performance indicators determined for the strategic targets, progress was achieved above 100% in 1 strategic target, at 100% in 6 strategic targets and below the targeted level in 10 strategic targets.<sup>45</sup>



**STRATEGIC GOAL (G1): TO PROTECT FORESTS AND FOREST RESOURCES AGAINST BIOTIC AND ABIOTIC PESTS**



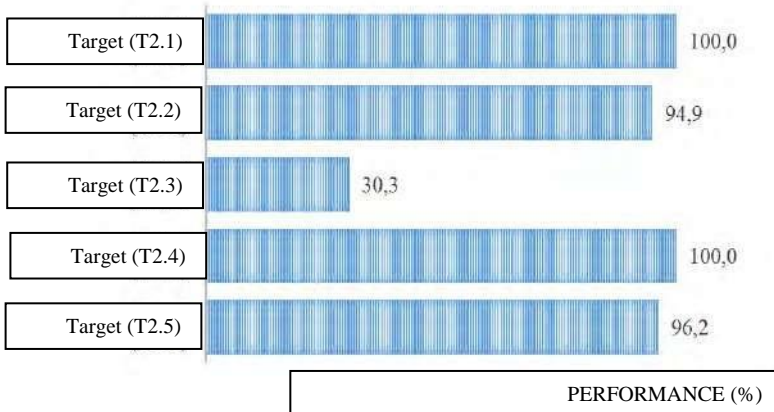
**Target (T1.1):** Preventive actions will be increased for fight against forest fires and response capacity will be strengthened.

**Target (T1.2):** The health of forest ecosystems will be monitored, and forest existence and health will be protected by taking natural or nature-friendly preventive actions for disease and pest control.

**Target (T1.3):** The registration of forest areas with finalized cadastre will be ensured and ownership problems will be resolved.

**Target (T1.4):** Socio-economic development in forest villages will be supported.

**STRATEGIC GOAL (G2): TO DEVELOP FORESTS, INCREASE THEIR PRODUCTIVITY AND EXPAND THEIR AREAS**



**Target (T2.1):** Wood quality and seed and fruit productivity will be increased, and silvicultural maintenance measures for the establishment of healthy forests will be increased.

**Target (T2.2):** Productive Forest Area will be increased to 14,000,000 hectares.

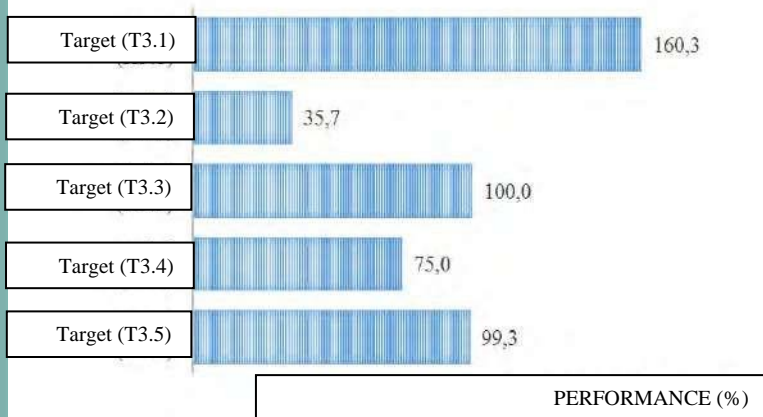
**Target (T2.3):** The implementation rate will be increased from 9% to 100% in a total potential area of 330,000 hectares determined to be suitable for industrial afforestation.

**Target (T2.4):** Our forest presence will be increased to 30% of the total area of the country

**Target (T2.5):** Erosion will be controlled and pasture improvement activities will be developed to reduce soil loss.

<sup>45</sup> The “Strategic Plan Evaluation Table”, which includes the targets and indicators in the strategic plan and the performance results, is included in the section “IV/ANNEXES” of the Report.

### STRATEGIC GOAL (G3): TO ENSURE THAT THE SOCIETY BENEFITS FROM THE GOODS AND SERVICES PRODUCED BY FORESTS AT THE OPTIMUM LEVEL



**Target (T3.1):** In accordance with the multi-purpose utilization of 6,868,000 hectares of forest area, inventory will be prepared and the management plan will be renewed.

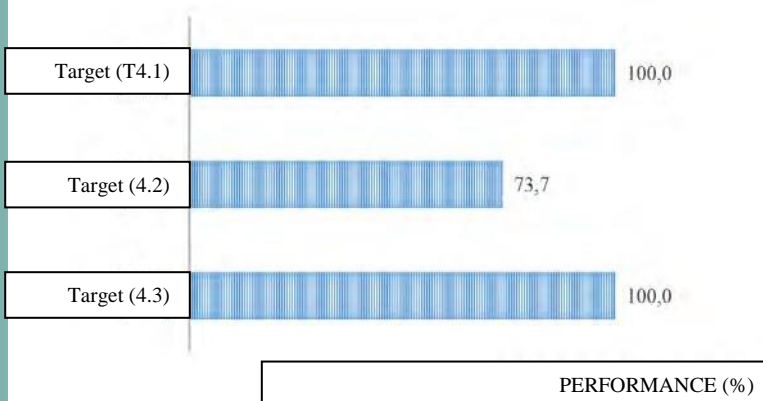
**Target (T3.2):** Quality and productivity of wood-based forest products will be increased, costs will be reduced and sustainable competition will be ensured in domestic and foreign markets.

**Target (T3.3):** Ecotourism services will be expanded, and non-wood forest product diversity and production will be increased.

**Target (T3.4):** Considering national conditions and international developments, a standardization and certification system will be developed for forest products, and the area of certified forests will be increased.

**Target (T3.5):** Forestry infrastructure will be strengthened, and pilot applications will be carried out to improve road standards in forests whose main function is production.

### STRATEGIC GOAL (G4): TO IMPROVE INSTITUTIONAL CAPACITY



**Target (T4.1):** Research and development projects will be prepared and implemented to solve problems in the field of forestry, to develop new techniques and to ensure effective governance.

**Target (T4.2):** In order to ensure institutionalization in strategic management, the financial, legal, administrative and human resources will be developed.

**Target (T4.3):** Information systems and technology infrastructure will be completed, and forest information system will be developed and expanded.

#### 4. Assessment of Performance Information System

Within the scope of the Forest Information System (ORBIS) Project, which will enable the actions and procedures of the General Directorate of Forestry to be carried out electronically, a total of 41 modules have been designed, the use of the modules has been expanded and web, desktop and mobile applications have been developed.

All internal and external correspondence processes are managed through the Electronic Document Management System, and the data on the developments and realizations provided in the targets and indicators in the strategic plan and performance programmes are recorded through the Electronic Document Management System (EDMS).

## IV. ASSESSMENT OF INSTITUTIONAL ABILITY AND CAPACITY

A SWOT Analysis was carried out by considering the current situation of our country's forestry and future trends and expectations, and the strengths and weaknesses of the institution, as well as opportunities and threats, have been identified.

## **A. STRENGTHS**

1. Organizational structure, adequate equipment, infrastructure and communication system
2. Corporate culture, strong and dynamic financial structure
3. Planning awareness and management system
4. Orientation towards information technology
5. Qualified human resources

## **B. WEAKNESSES**

1. Employment policy, specialization and career planning system
2. Professional structure in workforce and production
3. Corporate efficiency
4. Integration of information technology into business processes

## **C. OPPORTUNITIES**

1. Fast decision-making mechanisms
2. Strengthening civil society movements and awareness
3. Research partnerships and experience sharing
4. Expansion of information and communication technologies, ease of use
5. Green economy and participatory planning techniques
6. Increase in demand for wood and non-wood products and services

## **D. THREATS**

1. Climate change, air pollution and industrial waste
2. Diseases and harmful organisms originating from abroad subject to quarantine
3. Increase in labor and production costs
4. Rapid change in information technology

## **V. RECOMMENDATIONS AND MEASURES**

The primary goal of the General Directorate, which is responsible for protecting, developing and expanding forests and forest resources, and managing them in a sustainable manner within the integrity of the ecosystem and so as to provide multifaceted benefits to the society, is to be a leading institution in sustainable forest management practices.

Considering the biological and technical characteristics and ecological, economic, social, cultural and managerial dimensions of forest management within an ecosystem integrity taking into consideration the demands of society and the structure of the country's forests is the basic approach of today's forestry understanding.

Legal assurance of forests, effective protection against various factors, especially fires and pests, multipurpose and efficient management, afforestation for industrial and soil conservation purposes, rehabilitation works, development of special afforestation and raising public awareness on these issues, improvement of forest-public relations, benefiting from products and services provided by forests in a sustainable manner, and building of institutional capacity are among our priority goals.

In addition, despite the increase in demand for forest products, public demands for functional services of natural forests other than wood production, potential afforestation areas and industrial afforestation are considered to be increasingly important in closing the future wood supply gap.

## VI. ANNEXES

### Annex 1: Statement of the Financial Services Unit Manager

I hereby state within the limits of my power as a financial services unit manager that:

The necessary coordination is ensured for the establishment, implementation and development of the internal control system in the General Directorate of Forestry, training and guidance services are provided, activities are carried out in accordance with the financial management and control legislations and other legislations, internal control processes are conducted to ensure that public resources are used effectively, economically and efficiently, the implementation results are monitored, and my opinions and suggestions are reported to the senior manager in a timely manner so that the necessary measures be taken.

I hereby declare that I have provided the necessary information and provided consulting services to the senior manager and spending authorities regarding the implementation of financial laws and other related legislations.

I hereby confirm that the information in the section “III/A- Financial Information” in this Report is reliable, complete and accurate.

28/02/2023 ANKARA

-Signed-  
Oğuz DÖNER  
Head of Department

**Annex 2: Internal Control Assurance Statement of the Senior Manager**

I hereby state within the framework of my duties and powers as a senior manager that the budget of the General Directorate of Forestry is prepared and implemented in accordance with the development plan, annual programme, strategic plan and performance programme and service requirements, the resources allocated with the budget is used for the intended purposes and in accordance with the principles of good financial management in order to achieve the goals and targets and to fulfil the duties and services regulated by the related legislations.

I hereby declare that in this context, the internal control system provides adequate and reasonable assurance to manage administration's revenues, expenses, assets and liabilities effectively, economically and efficiently, to operate it in accordance with laws and other regulations, to prevent illegality and corruption in all financial decisions and transactions, to make and monitor decisions in a regular and timely manner, to obtain reliable reports and information, to prevent misuse and waste of assets, and to protect them against loss.

This assurance is based on the information and evaluations I have as a senior manager, management information systems, internal control system evaluation reports, monitoring and evaluation reports, assurance statements and audit reports submitted by the spending authorities and the financial services unit manager.

I hereby state that the information contained in this report is reliable, complete and accurate.

28/02/2023 ANKARA

-Signed-  
Bekir KARACABEY  
General Director

REGIONAL DIRECTORATE	GENERAL FOREST AREA			GROWING STOCK			INCREMENT		
	Hectare			Cubic meter			Cubic meter		
	Normal Crown Closure	Low Crown Closure	Total	Normal Crown Closure	Low Crown Closure	Total	Normal Crown Closure	Low Crown Closure	Total
1 ADANA	496,698	255,641	<b>752,339</b>	54,662,849	2,350,010	<b>57,012,859</b>	1,690,749	43,907	<b>1,734,655</b>
2 AMASYA	933,088	615,359	<b>1,548,447</b>	87,359,491	4,258,254	<b>91,617,745</b>	2,370,573	111,756	<b>2,482,329</b>
3 ANKARA	458,200	333,476	<b>791,676</b>	45,056,324	1,759,927	<b>46,816,251</b>	1,131,903	48,966	<b>1,180,868</b>
4 ANTALYA	718,696	458,545	<b>1,177,241</b>	101,054,124	4,271,246	<b>105,325,370</b>	2,513,188	89,121	<b>2,602,309</b>
5 ARTVİN	253,205	155,811	<b>409,016</b>	58,123,766	1,263,000	<b>59,386,766</b>	1,233,876	34,263	<b>1,268,139</b>
6 BALIKESİR	435,162	197,243	<b>632,405</b>	62,055,255	1,567,552	<b>63,622,807</b>	1,687,920	50,639	<b>1,738,559</b>
7 BOLU	530,836	110,856	<b>641,692</b>	128,637,145	1,017,778	<b>129,654,923</b>	2,917,399	24,530	<b>2,941,929</b>
8 BURSA	541,483	229,881	<b>771,364</b>	71,636,357	1,553,711	<b>73,190,068</b>	1,902,454	33,537	<b>1,935,991</b>
9 ÇANAKKALE	414,079	124,783	<b>538,862</b>	58,057,586	944,244	<b>59,001,830</b>	1,939,555	32,396	<b>1,971,951</b>
10 DENİZLİ	453,094	359,074	<b>812,168</b>	40,131,469	3,034,377	<b>43,165,846</b>	1,116,221	65,213	<b>1,181,434</b>
11 ELAZIĞ	446,998	960,057	<b>1,407,055</b>	12,994,412	5,039,071	<b>18,033,483</b>	601,395	251,945	<b>853,340</b>
12 ERZURUM	275,474	317,267	<b>592,741</b>	27,228,531	2,585,402	<b>29,813,933</b>	576,040	67,428	<b>643,468</b>
13 ESKİŞEHİR	324,134	313,702	<b>637,836</b>	24,421,340	2,261,578	<b>26,682,918</b>	683,741	63,266	<b>747,007</b>
14 GİRESUN	405,661	154,597	<b>560,258</b>	72,764,945	1,507,966	<b>74,272,911</b>	2,090,762	34,941	<b>2,125,703</b>
15 HATAY	182,259	85,798	<b>268,057</b>	15,302,689	614,092	<b>15,916,781</b>	570,454	16,971	<b>587,425</b>
16 ISPARTA	407,529	374,633	<b>782,162</b>	32,489,017	2,839,865	<b>35,328,882</b>	791,997	41,992	<b>833,989</b>
17 İSTANBUL	569,975	70,416	<b>640,391</b>	56,380,242	687,312	<b>57,067,554</b>	1,986,564	16,037	<b>2,002,601</b>
18 İZMİR	596,620	421,264	<b>1,017,884</b>	45,949,861	2,196,132	<b>48,145,993</b>	1,601,178	87,390	<b>1,688,568</b>
19 KAHRAMANMARAŞ	236,705	364,367	<b>601,072</b>	21,804,522	2,322,364	<b>24,126,886</b>	620,976	61,960	<b>682,936</b>
20 KASTAMONU	695,763	180,551	<b>876,314</b>	142,432,979	1,588,080	<b>144,021,059</b>	4,254,932	38,888	<b>4,293,820</b>
21 KAYSERİ	395,333	526,698	<b>922,031</b>	19,043,355	2,905,234	<b>21,948,589</b>	401,773	79,014	<b>480,787</b>
22 KÜTAHYA	412,079	234,473	<b>646,552</b>	49,216,217	1,994,916	<b>51,211,133</b>	1,386,680	48,037	<b>1,434,717</b>
23 KONYA	409,257	469,768	<b>879,025</b>	17,885,650	2,614,680	<b>20,500,330</b>	508,192	77,433	<b>585,625</b>
24 MERSİN	468,129	367,405	<b>835,534</b>	44,722,826	3,521,534	<b>48,244,360</b>	1,143,907	80,567	<b>1,224,474</b>
25 MUĞLA	752,571	404,728	<b>1,157,299</b>	74,268,041	3,965,452	<b>78,233,493</b>	2,152,628	92,794	<b>2,245,422</b>
26 SAKARYA	311,335	40,118	<b>351,453</b>	35,567,497	309,262	<b>35,876,759</b>	1,236,438	8,293	<b>1,244,731</b>
27 SİNOP	296,698	70,398	<b>367,096</b>	52,630,886	656,907	<b>53,287,793</b>	1,446,249	16,565	<b>1,462,814</b>
28 ŞANLIURFA	291,704	1,056,831	<b>1,348,535</b>	7,881,628	5,871,701	<b>13,753,329</b>	386,874	241,235	<b>628,109</b>
29 TRABZON	429,017	196,191	<b>625,208</b>	75,974,784	1,803,439	<b>77,778,223</b>	1,807,885	50,595	<b>1,858,480</b>
30 ZONGULDAK	566,061	87,226	<b>653,287</b>	132,505,360	857,767	<b>133,363,127</b>	3,110,185	27,634	<b>3,137,819</b>
<b>TOTAL</b>	<b>13,707,843</b>	<b>9,537,157</b>	<b>23,245,000</b>	<b>1,668,239,148</b>	<b>68,162,852</b>	<b>1,736,402,000</b>	<b>45,862,687</b>	<b>1,937,313</b>	<b>47,800,000</b>

REGIONAL DIRECTORATE	2/B IMPLEMENTATION CONDUCTED UNDER FOREST LAW NO. 6831			CORRECTING THE TECHNICAL MISTAKES OF THE UNITS WITH FOREST CADASTRE AND MAKING THEM READY FOR REGISTRATION ACCORDING TO FOREST LAW NO. 6831			IMPLEMENTATION RESULT	
	PROGRAMME		IMPLEMENTATION	PROGRAMME		IMPLEMENTATION	Number/Unit	TRY
	Number/Unit	TRY	Number/Unit	Number/Unit	TRY	Number/Unit		
1 ADANA	29	304,500	29	20	210,000	20	49	832,987
2 AMASYA	20	210,000	20	137	1,438,500	137	157	1,534,328
3 ANKARA	3	31,500	3	21	220,500	21	24	835,260
4 ANTALYA	20	210,000	20	36	378,000	36	56	532,509
5 ARTVIN	2	21,000	2	14	147,000	14	16	204,327
6 BALIKESİR	5	52,500	5	46	483,000	46	51	853,296
7 BOLU	4	42,000	4	59	619,500	59	63	473,228
8 BURSA	7	73,500	7	24	252,000	24	31	951,327
9 ÇANAKKALE	17	178,500	17	1	10,500	1	18	304,708
10 DENİZLİ				69	724,500	69	69	480,732
11 ELAZIĞ	31	325,500	31	374	3,927,000	374	405	973,382
12 ERZURUM	3	31,500	3	148	1,554,000	148	151	444,778
13 ESKİŞEHİR	2	21,000	2	40	420,000	40	42	256,916
14 GİRESUN	8	84,000	8	74	777,000	74	82	728,613
15 HATAY	3	31,500	3	28	294,000	28	31	452,359
16 İSPARTA				101	1,060,500	101	101	451,296
17 İSTANBUL	8	84,000	8	87	913,500	87	95	1,083,006
18 İZMİR	18	189,000	18	71	745,500	71	89	879,376
19 KAHRAMANMARAŞ	2	21,000	2				2	670,678
20 KASTAMONU	6	63,000	6	12	126,000	12	18	1,299,643
21 KAYSERİ				242	2,541,000	242	242	295,879
22 KONYA	7	73,500	7	60	630,000	60	67	258,920
23 KÜTAHYA	9	94,500	9	53	556,500	53	62	401,957
24 MERSİN	11	115,500	11	11	115,500	11	22	296,035
25 MUĞLA	7	73,500	7	87	913,500	87	94	1,607,566
26 SAKARYA	16	168,000	16	1	10,500	1	17	965,054
27 SİNOP	2	21,000	2	53	556,500	53	55	312,588
28 ŞANLIURFA	5	52,500	5	65	682,500	65	70	866,961
29 TRABZON	3	31,500	3	41	430,500	41	44	1,244,429
30 ZONGULDAK	2	21,000	2	25	262,500	25	27	331,527
<b>TOTAL</b>	<b>250</b>	<b>2,625,000</b>	<b>250</b>	<b>2,000</b>	<b>21,000,000</b>	<b>2,000</b>	<b>2,250</b>	<b>20,823,664</b>
CENTER					1,375,000			3,669,914
DIRECTORATE OF LAND					125,000,000			125,000,000
REGISTRY AND								
<b>GRAND TOTAL</b>	<b>250</b>	<b>2,625,000</b>	<b>250</b>	<b>2,000</b>	<b>147,375,000</b>	<b>2,000</b>	<b>2,250</b>	<b>149,493,578</b>

## Annex 5: Distribution of Forest Management Project Implementation Results by Regional Directorates of Forestry, 2022

REGIONAL DIRECTORATE	PROGRAMME		IMPLEMENTATION					TOTAL		
			Chief Engineering Directorates		Services Procurement		National Forest Inventory			
	Hectare	TRY	Hectare	TRY	Hectare	TRY	TRY	Hectare	TRY	
1 ADANA		110,000						116,000	0	116,000
2 AMASYA		508,000						504,000	0	504,000
3 ANKARA	360,204	2,050,000	115,540	275,000	244,664	1,454,000		147,000	360,204	1,876,000
4 ANTALYA		193,000						231,000	0	231,000
5 ARTVİN		130,000						130,000	0	130,000
6 BALIKESİR		119,000						118,000	0	118,000
7 BOLU		126,000						126,000	0	126,000
8 BURSA		140,000						140,000	0	140,000
9 ÇANAKKALE		132,000						132,000	0	132,000
10 DENİZLİ		123,000						123,000	0	123,000
11 ELAZIĞ		217,000						217,000	0	217,000
12 ERZURUM		116,000						92,000	0	92,000
13 ESKİŞEHİR		329,000						298,000	0	298,000
14 GİRESUN	560,379	6,647,000			560,379	6,472,000		175,000	560,379	6,647,000
15 HATAY		66,000						66,000	0	66,000
16 ISPARTA		150,000						150,000	0	150,000
17 İSTANBUL	310,246	5,036,000	39,981	1,420,000	270,265	3,458,000		155,000	310,246	5,033,000
18 İZMİR		225,000						223,000	0	223,000
19 KAHRAMANMARAŞ		116,000						115,000	0	115,000
20 KASTAMONU		149,000						163,000	0	163,000
21 KAYSERİ		158,000						158,000	0	158,000
22 KONYA		147,000						147,000	0	147,000
23 KÜTAHYA		91,000						91,000	0	91,000
24 MERSİN		140,000						140,000	0	140,000
25 MUĞLA	1,121,099	13,002,000	275,349	3,517,000	845,750	9,025,000		460,000	1,121,099	13,002,000
26 SAKARYA		92,000						92,000	0	92,000
27 SİNOP		76,000						55,000	0	55,000
28 ŞANLIURFA		217,000						201,000	0	201,000
29 TRABZON		158,000						158,000	0	158,000
30 ZONGULDAK		180,000						180,000	0	180,000
<b>TOTAL</b>	<b>2,351,928</b>	<b>30,943,000</b>	<b>430,870</b>	<b>5,212,000</b>	<b>1,921,058</b>	<b>20,409,000</b>		<b>5,103,000</b>	<b>2,351,928</b>	<b>30,724,000</b>

## Annex 6: Distribution of Forest Fire Numbers by Regional Directorates of Forestry, 2022

REGIONAL DIRECTORATE	NEGLIGENCE/CARELESSNESS		DELIBERATE		ACCIDENT		UNDETERMINED CAUSE		LIGHTENING		TOTAL	
	Number	Hectare	Number	Hectare	Number	Hectare	Number	Hectare	Number	Hectare	Number	Hectare
1 ADANA	16	6.57	13	1.40	15	21.86	45	33.93	19	422.73	108	486.50
2 AMASYA	6	21.40	1	2.00	3	2.30	32	30.93	5	2.52	47	59.15
3 ANKARA	3	0.41			1	0.01	19	3.71	10	0.80	33	4.94
4 ANTALYA	32	20.12	14	6.01	13	32.04	88	115.89	32	26.63	179	200.69
5 ARTVİN	3	5.30				0.00	6	13.42	3	0.22	12	18.93
6 BALIKESİR	37	45.96	4	1.06	4	97.64	33	35.88	13	0.69	91	181.23
7 BOLU	7	2.16					7	2.24	6	10.71	20	15.11
8 BURSA	11	183.59	1	0.02	3	0.41	52	93.83	13	2.76	80	280.62
9 ÇANAKKALE	77	527.49	1	0.10	18	57.97	3	13.70	32	3.55	131	602.80
10 DENİZLİ	9	5.47	4	261.98			32	18.29	5	1.67	50	287.41
11 ELAZIĞ	3	14.12			7	15.28	42	137.91	1		53	167.31
12 ERZURUM	4	5.79	1	0.01	1	2.54	16	124.31	2	0.02	24	132.67
13 ESKİŞEHİR			1	0.02	0	0.00	12	34.15	6	1.11	19	35.28
14 GİRESUN	15	32.56	1	2.15	2	15.87	7	4.02			25	54.59
15 HATAY	24	16.70	6	5.34	2	0.21	19	98.83	5	0.56	56	121.64
16 ISPARTA	5	0.08			1	0.20	22	18.68	11	2.33	39	21.29
17 İSTANBUL	21	22.86	5	0.81	2	2.21	63	47.08	1	0.43	92	73.39
18 İZMİR	228	676.15	6	31.01	27	590.28			32	2.82	293	1,300.26
19 KAHRAMANMAR	19	34.96	2	0.11	3	0.47	47	34.28	13	0.73	84	70.56
20 KASTAMONU	1	0.01			1	0.04	30	4.93	5	0.16	37	5.14
21 KAYSERİ	4	3.51			1	0.37	13	11.15			18	15.04
22 KONYA	2	0.45					1	0.13	1	0.05	4	0.63
23 KÜTAHYA	32	5.11	1	0.03	4	268.78			20	2.01	57	275.93
24 MERSİN	50	11.85	7	9.12	13	2,063.02	12	11.73	17	22.40	99	2,118.13
25 MUĞLA	22	11.77	11	4,395.85	15	79.55	126	846.30	99	11.45	273	5,344.93
26 SAKARYA	25	7.84	3	0.06	3	8.24	28	16.43			59	32.57
27 SİNOP	1				1	0.01	4	2.17			6	2.18
28 ŞANLIURFA	3	2.20	1	0.10	7	35.71	91	349.15			102	387.16
29 TRABZON	12	6.20	1	3.00			11	16.25			24	25.44
30 ZONGULDAK	3	0.07	1	0.01	1	0.10	9	2.76	3	0.06	17	2.99
NATIONAL PARK	5	460.34	1	2.00	2	2.05	16	9.72	4	0.07	28	474.18
<b>TOTAL</b>	<b>680</b>	<b>2,131.05</b>	<b>86</b>	<b>4,722.21</b>	<b>150</b>	<b>3,297.17</b>	<b>886</b>	<b>2,131.79</b>	<b>358</b>	<b>516.47</b>	<b>2,160</b>	<b>12,798.68</b>
<b>RATE (%)</b>	<b>31.48</b>	<b>16.65</b>	<b>3.98</b>	<b>36.90</b>	<b>6.94</b>	<b>25.76</b>	<b>41.02</b>	<b>16.66</b>	<b>16.57</b>	<b>4.04</b>	<b>100</b>	<b>100.00</b>

REGIONAL DIRECTORATE	CUTTING DOWN		TRANSPORTING		POSSESSING		CONSUMPTION		DEFORESTATION-SETTLEMENT			OCCUPATION		GRAZING		HUNTING CRIMES		TOTAL
	Number	M3	Number	M3	Number	M3	Number	M3	Number	Decare	M3	Number	Decare	Number	Number of Animals	Number	Number of Animals	Number
1 ADANA	274	1,969	147	126	66	198	4	2	186	1,001	108	453	2,689	30	1,106			1,160
2 AMASYA	406	1,247	97	141	80	24	7	18	213	600	652	357	1,398	6	179			1,166
3 ANKARA	52	301	2	158	7	7			37	88		110	288	18	2,903			226
4 ANTALYA	233	2,616	41	181	9	75			477	2,530	72	327	1,389	35	1,941			1,122
5 ARTVİN	133	4,989	3	7	8	60			17	135	21	26	37					187
6 BALIKESİR	141	1,077	18	56	10	15	1		27	132	3	107	369	21	508			325
7 BOLU	135	1,227	58	134	34	109	2	4	45	107	420	108	261					382
8 BURSA	150	1,793	46	78	16	66	1		110	843	85	160	805	2	103	40	105	525
9 ÇANAKKALE	101	1,470	13	15	4	6			35	221		196	1,249	13	639			362
10 DENİZLİ	112	352	8	5	30	12	1	1	31	120	49	114	552	2	72			298
11 ELAZIĞ	119	552	11	16	2	2			84	459		78	305	9	505			303
12 ERZURUM	90	281	28	506	19	77			6		108	15	29	28	7,847			186
13 ESKİŞEHİR	35	154	16	9	1				16	117		26	188	54	5,482			148
14 GİRESUN	365	7,198	51	207	18	77	3	9	189	523	330	202	425					828
15 HATAY	159	406	103	45	17	17	5	14	150	413	14	194	669	1	275			629
16 ISPARTA	80	504	8	7	6				66	668	26	56	384	45	2,610			261
17 İSTANBUL	136	5,043	41	5	14	32			146	831	429	345	1,267	4	122			686
18 İZMİR	216	1,635	51	175	31	21			648	2,736	344	450	2,125	34	2,201			1,430
19 KAHRAMANMARAŞ	97	161	33	13	15	7	4	8	312	1,597		232	1,154	18	1,265			711
20 KASTAMONU	164	1,185	23	144	27	97	1	6	15	35	13	70	128					300
21 KAYSERİ	61	416	8	6	9	10	1	1	50	136		94	175	41	5,108			264
22 KONYA	161	202	7	13	19	4	1	1	50	199	17	89	460	116	12,827			443
23 KÜTAHYA	89	546	9	60	26	5	2	1	63	166	11	71	128	3				263
24 MERSİN	147	1,010	19	121	11	22	1	1	348	1,194	123	327	1,805	16	2,571			869
25 MUĞLA	184	686	37	201	23	196	47	68	411	2,244	385	365	1,791	2	1	1	2	1,070
26 SAKARYA	349	4,201	67	93	39	82	2	3	377	1,111	3,878	446	1,585	8	146			1,288
27 SİNOP	92	2,904	7	37	9	8	4	7	12	21	82	28	40	1	80			153
28 ŞANLIURFA	124	583	76	453	4	91			197	2,328		93	1,067	21	890			515
29 TRABZON	301	4,886	14	50	10	19			202	359	329	70	62					597
30 ZONGULDAK	256	1,921	37	84	47	58	3		254	171	120	152	474					749
<b>TOTAL</b>	<b>4,962</b>	<b>51,515</b>	<b>1,079</b>	<b>3,147</b>	<b>611</b>	<b>1,397</b>	<b>90</b>	<b>144</b>	<b>4,774</b>	<b>21,085</b>	<b>7,619</b>	<b>5,361</b>	<b>23,298</b>	<b>528</b>	<b>49,381</b>	<b>41</b>	<b>107</b>	<b>17,446</b>

M3: Cubic meter

NOTE: Quintal values are not included in the amount of property confiscated as a result of forest crimes.

## Annex 8: Distribution of Forest Pest and Disease Control Implementation Results by Regional Directorates of Forestry, 2022

REGIONAL DIRECTORATE	BIOLOGICAL CONTROL		BIOTECHNICAL CONTROL		CHEMICAL CONTROL		MECHANICAL CONTROL		Bird Nests			Ant Transplantation			Production of Predatory Insects		Establishment of Islets/Wire Cages		
	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Numbe	Hectar	TRY	Num	Hectare	TRY	Numbe	TRY	Numbe	Hectar	TRY
	1 ADANA	1,980	208,995	556	407,648	75	121,412	6,669	514,404	2,950	621	111,100				28,000	20,500	71	438
2 AMASYA	2,933	393,350	595	33,470	500	205,537	639	75,610	3,000	606	207,040	8	8	29,000			138	2,319	157,310
3 ANKARA	1,200	145,160	518	115,670			833	170,238	2,000	395	136,560				3,107		9	651	8,600
4 ANTALYA	6,029	609,577	10,945	504,345			898	380,966	2,350	2,195	503,920				62,853	242,117	4	19	
5 ARTVİN	1,936	255,724	2,502	686,327			253	108,500	1,000	109	76,900				53,708	131,195			
6 BALIKESİR	2,863	112,167	4,484	271,825			2,011	264,550	900	717	74,040				2,750	20,000	76	1772	11577
7 BOLU	2,346	174,674	500	82,910			1,013	82,876	1,200	242	76,100				30		29	744	79,854
8 BURSA	4,442	859,595	3,553	102,658	508	423,576	802	453,210	1,900	722	183,950				48,877		78	491	96,131
9 ÇANAKKALE	928	50,415	6,213	455,046			30	32,200							1,000		57	808	50,415
10 DENİZLİ	119	80,000	571	34,150			440	95,198							10,000	50,000			
11 ELAZIĞ	247	88,900							1,000	247	88,900								
12 ERZURUM	23		2	18,200			619	80,897											
13 ESKİŞEHİR	1,745	580,000	628	137,875			987	128,050	5,875	1,118	350,000	50	64	200,000			29	562	30,000
14 GİRESUN	1,606	404,665	520	151,205			427	142,600	3,344	687	218,140				105,10	247,500	6	6	3,000
15 HATAY	609	82,520	186	189,650			1,843	214,350	500	100	30,000						37	509	52,520
16 ISPARTA	1,840	126,570	1,152	117,573			490	65,818	300	114	16,524				17,000	72,500	254	971	82,360
17 İSTANBUL	2,691	602,753	2,911	432,966			254	80,979	1,755	780	189,742				240		110	1,868	413,011
18 İZMİR	24,491	342,581	9,713	273,760			13,258	1,047,749	1,900	2,263	28,361	4	5	2,500	244,57	293,593	446	12,494	95,775
19 KAHRAMANMARAŞ	1,241	207,500	692	492,450			5,378	931,970	1,500	301	107,500				20,000	100,000			
20 KASTAMONU	3,351	222,866	496	204,787			1,304	189,520	1,000	273	72,500				32,200		111	2,303	150,366
21 KAYSERİ	186	60,000							1,000	186	60,000								
22 KONYA	200	58,230	165	18,770			2,555	322,415	1,000	200	58,230								
23 KÜTAHYA	400	150,950	436	288,230			94	208,988	1,416	251	50,976				368		20	149	95,775
24 MERSİN	2,305	244,060	635	650,373			490	218,815	7,578	832	163,120				27,000		20	214	14,000
25 MUĞLA	3,534	74,150	25,033	2,565,625			11,744	1,188,748	800	1,281	37,200						60	2,252	36,950
26 SAKARYA	1,509	194,309			2	100,000	63		1,100	304	85,172	6	6	3,830	107,14	51,632	25	600	59,282
27 SİNOP	182	4,500	638	147,215			4,805	702,538							2,000		16	157	4,500
28 ŞANLIURFA	4	6,000							30	4	6,000								
29 TRABZON	1,364	179,000	39	28,090					2,150	290	129,000				40,965	199,119			
30 ZONGULDAK	1,536	129,436	62	48,750			737	237,375	500	167	32,000				23,340		13	402	97,436
<b>TOTAL</b>	<b>73,840</b>	<b>6,648,647</b>	<b>73,745</b>	<b>8,459,568</b>	<b>1,085</b>	<b>850,525</b>	<b>58,636</b>	<b>7,938,564</b>	<b>48,048</b>	<b>15,005</b>	<b>3,092,975</b>	<b>68</b>	<b>83</b>	<b>235,330</b>	<b>830,252</b>	<b>1,428,156</b>	<b>1,609</b>	<b>29,729</b>	<b>1,575,362</b>

REGIONAL DIRECTORATE	NEW ROADS				SUPERSTRUCTURE				CULTURAL STRUCTURE				TOTAL	
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme	Implementation
	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	TRY	TRY
1 ADANA	474	46,800,000	474	48,572,834	15	1,555,000	15	1,567,577	34	2,600,000	34	2,581,454	50,955,000	52,721,865
2 AMASYA	498	63,572,000	485	61,019,973	130	7,793,000	104	5,968,584	267	13,961,000	267	10,783,501	85,326,000	77,772,058
3 ANKARA	290	24,730,000	290	25,524,883					100	8,745,000	100	7,669,057	33,475,000	33,193,940
4 ANTALYA	175	32,495,000	161	35,503,072	32	2,420,000	28	2,344,437	80	8,568,000	80	7,496,190	43,483,000	45,343,699
5 ARTVİN	200	40,905,000	209	41,396,006	73	4,150,000	73	4,458,790	60	4,695,000	60	4,504,289	49,750,000	50,359,085
6 BALIKESİR	350	22,500,000	350	22,773,715	20	1,000,000	20	1,172,411	10	800,000	10	980,825	24,300,000	24,926,951
7 BOLU	383	46,152,000	383	44,643,091	163	12,135,000	163	12,075,602	110	5,113,000	110	5,221,884	63,400,000	61,940,577
8 BURSA	337	27,419,000	334	27,430,602	42	3,415,000	45	3,388,716	91	4,740,000	97	4,680,707	35,574,000	35,500,025
9 ÇANAKKALE	239	15,000,000	239	13,536,791									15,000,000	13,536,791
10 DENİZLİ	175	15,458,000	175	15,718,408					106	5,765,000	106	5,789,439	21,223,000	21,507,847
11 ELAZIĞ	85	2,916,000	87	2,911,212									2,916,000	2,911,212
12 ERZURUM	83	5,090,000	83	4,679,074	48	2,360,000	48	2,456,325					7,450,000	7,135,399
13 ESKİŞEHİR	137	11,000,000	134	10,378,251	3	230,000	3	244,729	35	2,356,000	31	2,338,074	13,586,000	12,961,054
14 GİRESUN	320	49,200,000	320	53,072,057	90	6,900,000	90	4,079,079	80	6,500,000	80	4,546,605	62,600,000	61,697,741
15 HATAY	113	10,252,000	113	9,941,444					14	731,000	14	735,039	10,983,000	10,676,483
16 ISPARTA	58	5,410,000	58	5,762,021									5,410,000	5,762,021
17 İSTANBUL	83	5,855,000	83	4,507,377	28	2,455,000	28	2,430,850	23	2,020,000	23	2,047,957	10,330,000	8,986,184
18 İZMİR	260	28,145,000	262	25,770,503	10	435,000	10	440,981	75	5,305,000	75	5,177,879	33,885,000	31,389,363
19 KAHRAMANMARAŞ	163	16,616,000	163	16,292,852	12	531,000	12	538,600	11	673,000	11	672,844	17,820,000	17,504,296
20 KASTAMONU	210	35,800,000	210	33,664,211	5	400,000	5	303,412	20	2,100,000	20	1,576,489	38,300,000	35,544,112
21 KAYSERİ	206	11,578,000	209	11,135,182	85	4,352,000	84	3,794,752	110	6,967,000	111	7,090,112	22,897,000	22,020,046
22 KONYA	95	8,380,000	95	8,373,639									8,380,000	8,373,639
23 KÜTAHYA	400	33,028,000	401	32,342,912	168	10,322,000	173	10,132,457	289	18,650,000	295	17,634,460	62,000,000	60,109,829
24 MERSİN	295	37,380,000	284	39,956,297					81	7,500,000	81	4,555,461	44,880,000	44,511,758
25 MUĞLA	266	31,413,000	266	36,907,365	17	1,263,000	17	1,270,606	102	9,982,000	102	8,590,323	42,658,000	46,768,294
26 SAKARYA	220	31,885,000	220	31,212,268	45	2,340,000	45	2,189,510	20	1,425,000	20	1,417,548	35,650,000	34,819,326
27 SİNOP	150	26,640,000	151	23,230,619	35	3,000,000	28	2,465,411	30	2,400,000	30	2,468,202	32,040,000	28,164,232
28 ŞANLIURFA	85	4,505,000	75	4,662,004	15	940,000	15	1,817,904	15	850,000	15	144,754	6,295,000	6,624,662
29 TRABZON	302	52,797,000	301	49,848,961	95	5,636,000	88	4,960,386	100	5,993,000	105	5,745,682	64,426,000	60,555,029
30 ZONGULDAK	249	38,471,000	250	36,620,912	36	1,825,000	38	1,851,955	65	8,321,000	71	8,441,326	48,617,000	46,914,193
<b>TOTAL</b>	<b>6,901</b>	<b>781,392,000</b>	<b>6,865</b>	<b>777,388,536</b>	<b>1,167</b>	<b>75,457,000</b>	<b>1,132</b>	<b>69,953,074</b>	<b>1,928</b>	<b>136,760,000</b>	<b>1,948</b>	<b>122,890,101</b>	<b>993,609,000</b>	<b>970,231,711</b>

KM: Kilometer

Annex 9.1: Distribution of Forest Roads Implementation Results by Regional Directorates of Forestry, 2022

## Annex 9.2.1: Distribution of Forest Roads Implementation Results by Regional Directorates of Forestry, 2022

REGIONAL DIRECTORATE	APPLICATION				FIRE SAFETY ROAD CONSTRUCTION				TOWER HUT ROAD CONSTRUCTION				SKIDDING ROAD CONSTRUCTION				TRACTOR ROAD CONSTRUCTION			
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation	
	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY
1 ADANA	936	1,685,000	936	34,203	18	80,000	18	91,994					160	2,280,000	160	1,073,232	166	3,586,000	166	1,872,980
2 AMASYA	955	1,719,000	955	220,461	23	99,000	21	470,615					170	1,600,000	155	2,850,743	215	2,472,500	200	3,609,630
3 ANKARA				337,782												25,000				
4 ANTALYA		2,500,000		155,948													40	460,000	25	291,928
5 ARTVIN	213	1,133,500	280	1,223,866									59	472,000	59	554,165	9	103,500	5	115,143
6 BALIKESİR	580	1,044,000	580										176	1,408,000	176	1,311,921	118	1,357,000	118	1,387,073
7 BOLU	955	1,719,000	955	586,327									357	2,856,000	357	4,059,743	141	1,538,200	108	1,022,635
8 BURSA				254,412			70	316,575					106	848,000	33	335,483	207	2,380,500	140	2,147,679
9 ÇANAKKALE				112,569				13,078									20	230,000	20	58,200
10 DENİZLİ	125	675,000	125	649,805	3	13,000	3	13,000									110	1,265,000	110	1,397,461
11 ELAZIĞ	100	260,000	100	130,000	5	21,500	5										24	276,000	22	120,420
12 ERZURUM													30	240,000	30	141,613	23	207,000	23	190,701
13 ESKİŞEHİR	180	1,789,000	144	1,098,339	20	172,000	11	135,000	1	16,500	1	16,500	50	800,000	12	160,000	27	621,000	16	531,400
14 GİRESUN				280,883													68	544,000	86	1,636,410
15 HATAY					17	73,100							71	568,000	70	354,930	81	931,500	81	951,198
16 ISPARTA																	19	218,500	10	51,631
17 İSTANBUL	371	1,069,000	371	584,933									80	640,000			21	241,500	21	384,011
18 İZMİR													78	794,000	53	569,887	94	1,606,500	94	1,458,721
19 KAHRAMANMARAŞ					13	55,900	13	78,400					133	1,064,000	133	954,929	127	1,460,500	127	1,144,219
20 KASTAMONU	675	1,215,000	675	538,924	9	39,000	9	70,993					313	2,504,000	313	2,705,299	126	1,449,000	126	1,164,280
21 KAYSERİ	228	411,000	86	416,155									89	712,000	39	157,467	70	805,000	70	1,136,078
22 KONYA																	24	276,000	1	
23 KÜTAHYA	510	4,378,000	738	1,973,598	72	410,000	54	433,217					210	2,180,000	210	2,000,022	140	2,710,000	140	2,569,757
24 MERSİN	325	1,085,000	284	653,492	93	6,500,000	93	3,738,089									45	517,500	45	539,834
25 MUĞLA	718	1,604,000	718	725,675									115	920,000	8	19,975	380	20,645,000	380	50,294,769
26 SAKARYA	410	738,000	410	458,186	40	172,000							600	4,800,000	600	2,939,097	500	5,750,000	500	2,732,844
27 SİNOP	325	2,185,000	240	323,169	2	8,500	2	8,500					261	2,088,000	226	2,166,047	62	713,000	12	75,800
28 ŞANLIURFA				11,113	45	193,500	45	169,082									40	465,000	40	478,425
29 TRABZON				99,344									65	520,000	16		81	931,500	45	542,988
30 ZONGULDAK	696	1,736,000	695	850,823	30	129,000	30	72,996	1	3,000	1	3,000	181	1,448,000	36	170,014	70	805,000	9	724,300
<b>TOTAL</b>	<b>8,302</b>	<b>26,945,500</b>	<b>8,292</b>	<b>11,720,007</b>	<b>390</b>	<b>7,966,500</b>	<b>374</b>	<b>5,611,539</b>	<b>2</b>	<b>19,500</b>	<b>2</b>	<b>19,500</b>	<b>3,304</b>	<b>28,742,000</b>	<b>2,686</b>	<b>22,549,567</b>	<b>3,048</b>	<b>54,566,200</b>	<b>2,740</b>	<b>78,630,515</b>

KM: Kilometer

REGIONAL DIRECTORATE	FIRE SAFETY ROAD MAINTENANCE				TOWER HUT ROAD MAINTENANCE				PRODUCTION PATH REPAIR AND MAINTENANCE				INTERNAL WAREHOUSE PATH				TOTAL	
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme	Implementatio
	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	TRY	TRY
1 ADANA	1,199	546,000	1,199	797,573	106	48,000	106	52,182	7,090	36,312,000	7,090	23,356,361	19	563,000	19	508,280	45,100,000	27,786,805
2 AMASYA	533	266,500	533	221,221	38	19,000	38	7,739	8,892	11,046,000	8,892	22,511,930	1	21,000	1	39,363	17,243,000	29,931,702
3 ANKARA	310	155,000	30	15,000					6,199	3,099,500	2,236	4,204,546					3,254,500	4,582,328
4 ANTALYA	1,314	6,657,000	765	382,151	189	94,500	189	167,497	10	25,550,000	10,291	21,627,320					35,261,500	22,624,844
5 ARTVİN									3,600	7,800,000	3,600	13,677,608					9,509,000	15,570,782
6 BALIKESİR	2,002	2,001,000	2,002	2,868,476	143	71,500	143	79,560	8,431	5,715,500	8,431	9,845,710	35	735,000	35	300,913	13,332,000	15,793,653
7 BOLU					12	6,000	12	5,000	7,957	37,978,500	7,957	42,959,190	31	651,000	31	600,392	44,748,700	49,233,287
8 BURSA	1,435	1,317,500	1,435	831,720	66	33,000	66	86,628	7,985	15,042,500	7,985	15,149,590	43	1,071,000	43	908,614	20,592,500	20,030,701
9 ÇANAKKALE	2,696	1,240,000	2,696	3,184,637	59	29,500			6,187	3,093,500	6,187	6,192,545	6	200,000	6	16,244	4,901,000	9,577,273
10 DENİZLİ	1,265	632,500	1,265	625,585	63	31,500	63	31,500	10,270	9,635,000	10,270	13,664,736					12,252,000	16,382,087
11 ELAZIĞ									1,050	525,000	1,050	85,264					1,082,500	335,684
12 ERZURUM									5,288	2,498,000	3,886	2,461,000	5	90,000	5	82,500	3,035,000	2,875,814
13 ESKİŞEHİR	2,600	2,600,000	2,600	2,535,927	41	40,500	41	8,500	3,022	3,003,500	3,022	3,506,524	1	42,000	1	42,000	9,084,500	8,034,190
14 GİRESUN									6,140	57,070,000	6,140	42,946,664			0	147,300	57,614,000	45,011,257
15 HATAY	433	216,500	168	958,016	4	2,000	4	2,000	2,453	7,926,500	2,450	7,101,369	2	42,000			9,759,600	9,367,513
16 ISPARTA	777	438,500	765	453,838	68	34,000	68	31,100	7,125	7,812,500	7,125	7,194,360					8,503,500	7,730,929
17 İSTANBUL	2,176	1,088,000	2,176	1,343,750	25	12,500			7,480	3,740,000	7,480	5,872,623					6,791,000	8,185,317
18 İZMİR	3,130	4,425,000	3,130	4,240,308	91	45,500	88	40,482	10,270	15,004,500	10,270	13,522,786					21,875,500	19,832,184
19 KAHRAMANMAR	422	211,000	422	380,074	33	16,500	33	6,500	4,799	10,876,500	4,799	9,374,091					13,684,400	11,938,213
20 KASTAMONU	37	185,000	37	189,124					7,700	13,850,000	7,700	29,610,525	7	147,000	7	102,403	19,389,000	34,381,548
21 KAYSERİ					64	32,000	64	28,025	6,408	5,904,000	6,413	4,164,763	4	84,000	4	159,660	7,948,000	6,062,148
22 KONYA	261	130,500	261	103,142	27	13,500	27	13,318	3,573	1,786,500	3,573	891,044					2,206,500	1,007,504
23 KÜTAHYA	776	1,120,000	776	928,619	13	7,000	13	5,300	6,869	19,435,000	6,869	16,352,642	10	200,000	10	200,000	30,440,000	24,463,155
24 MERSİN	871	443,000	871	404,431	96	48,000	96	41,500	10,744	13,372,000	10,744	14,001,698					21,965,500	19,379,044
25 MUĞLA	1,195	597,500	1,195	2,156,381	109	54,500	109	46,435	14,456	47,228,000	14,456	52,645,358	8	400,000	8	60,934	71,449,000	105,949,527
26 SAKARYA	90	45,000	10	5,144	5	2,500			4,200	3,100,000	4,200	8,633,160	2	42,000	2	23,419	14,649,500	14,791,850
27 SİNOP	3	15,000	3	15,000					3,300	17,150,000	3,300	17,300,684	3	63,000	3	95,500	22,222,500	19,984,700
28 ŞANLIURFA	225	112,500	225	61,044	5	2,500	5	2,500	700	350,000	700	196,887					1,123,500	919,051
29 TRABZON	7	3,500	7						2,470	8,135,000	2,470	12,990,247					9,590,000	13,632,579
30 ZONGULDAK	199	99,500	199	75,813	41	20,500	41	17,499	7,635	45,689,500	7,635	46,339,131	54	1,134,000	24	828,704	51,064,500	49,082,280
<b>TOTAL</b>	<b>23,956</b>	<b>25,554,000</b>	<b>22,770</b>	<b>22,776,974</b>	<b>1,298</b>	<b>664,500</b>	<b>1,206</b>	<b>673,265</b>	<b>182,303</b>	<b>439,729,000</b>	<b>187,221</b>	<b>468,380,356</b>	<b>231</b>	<b>5,485,000</b>	<b>199</b>	<b>4,116,226</b>	<b>589,672,200</b>	<b>614,477,949</b>

KM: Kilometer

## Annex 10.1 : Distribution of Silviculture Implementation Results by Regional Directorates of Forestry, 2022

REGIONAL DIRECTORATE	REGENERATION MAINTENANCE				FREQUENT MAINTENANCE				CULTIVATION MAINTENANCE				PRUNING				INITIAL THINNING		TRANSFORMATION OF COPPICE			
	Programme		Implementatio		Programme		Implementati		Programme		Implementati		Programme		Implementati		Programme		Programme		Implementati	
	Hectar	TRY	Hecta	TRY	Hectar	TRY	Hecta	TRY	Hectar	TRY	Hecta	TRY	Hecta	TRY	Hecta	TRY	Hectar	Hectar	Hecta	TRY	Hecta	TRY
1 ADANA	13,622	9,670,835	15,322	9,670,835	10,000	3,194,031	10,441	3,194,031	5,029	1,715,907	5,214	1,715,907	282	213,485	290	213,485	2,700	2,863	400	64,490	493	64,490
2 AMASYA	5,845	6,325,018	5,971	6,325,018	12,998	3,652,862	16,437	3,652,862	441	436,664	441	436,664	85	94,300	85	94,300	7,679	10,810	3,578	173,634	5,265	173,634
3 ANKARA	3,389	2,876,833	3,468	2,876,833	7,003	2,597,515	7,446	2,597,515	2,256	5,050,890	2,286	5,050,890	60	37,845	60	37,845	1,643	1,718	2,179	72,914	2,836	72,914
4 ANTALYA	10,544	12,676,235	10,156	12,676,235	2,000	176,225	1,186	176,225			44		20	60,686	20	60,686	500	312			0	0
5 ARTVİN	620	213,450	658	213,450	202	171,430	293	171,430	1,333	2,600,907	1,342	2,600,907					50	196			0	0
6 BALIKESİR	8,870	14,060,677	8,914	14,060,677	6,158	2,969,646	7,327	2,969,646	3,572	4,654,059	3,702	4,654,059	446	446,401	434	446,401	4,318	4,574	3,407	454,403	3,855	454,403
7 BOLU	13,125	12,047,431	13,376	12,047,431	3,193	1,629,925	2,660	1,629,925	894	1,190,068	886	1,190,068					4,919	3,825			0	0
8 BURSA	9,477	11,251,780	9,014	11,251,780	7,243	2,394,041	7,589	2,394,041	2,953	2,352,337	3,000	2,352,337	542	1,570,641	829	1,570,641	6,014	4,644	12,243	2,828,905	12,195	2,828,905
9 ÇANAĞKALE	3,776	5,913,259	4,236	5,913,259	9,239	2,997,027	9,162	2,997,027	2,169	3,110,531	2,234	3,110,531	896	692,318	923	692,318	10,824	11,033	2,907	19,882	2,907	19,882
10 DENİZLİ	8,898	6,809,914	9,071	6,809,914	15,585	4,755,259	16,255	4,755,259	5,538	3,161,043	5,547	3,161,043	377	367,898	377	367,898	3,936	4,074	219	125,378	219	125,378
11 ELAZIĞ					100		82		1,035	195,218	1,152	195,218		6,400	8	6,400	150	131	150			
12 ERZURUM	2,114	804,041	2,277	804,041	2,371	183,622	1,276	183,622	790	263,438	745	263,438	85	33,686	88	33,686	750	581	425		543	
13 ESKİŞEHİR	2,705	2,816,913	2,705	2,816,913	3,002	729,078	4,577	729,078	873	787,419	882	787,419					843	1,288	1,135	65,537	1,094	65,537
14 GİRESUN	8,342	12,157,013	8,355	12,157,013	4,164	1,560,678	4,378	1,560,678	4,539	4,617,156	4,644	4,617,156	80		80		2,178	2,269				
15 HATAY	4,674	2,961,693	4,688	2,961,693	1,814	635,803	1,850	635,803	3,177	1,406,999	3,187	1,406,999	50	27,442	50	27,442	891	354				
16 ISPARTA	6,293	3,356,084	6,455	3,356,084	3,710	1,701,928	4,378	1,701,928	2,449	2,187,258	2,797	2,187,258	240	167,118	287	167,118	1,368	1,178				
17 İSTANBUL	5,091	5,417,744	5,114	5,417,744	8,866	1,031,911	9,682	1,031,911	2,341	1,943,495	2,376	1,943,495	492	602,578	416	602,578	3,766	3,337	21,362	5,347,836	21,128	5,347,836
18 İZMİR	13,464	15,080,275	13,649	15,080,275	14,841	13,646,15 <sub>2</sub>	15,260	13,646,15 <sub>2</sub>	10,174	8,457,773	10,609	8,457,773	2,446	5,290,439	2,649	5,290,439	3,313	3,403	3,869	640,622	4,623	640,622
19 KAHRAMANMAR AÇ	7,162	8,304,243	7,174	8,304,243	3,185	1,063,334	3,935	1,063,334	2,897	3,304,720	3,304	3,304,720	359	2,118,645	411	2,118,645	2,389	2,463	223	11,309	181	11,309
20 KASTAMONU	6,846	3,896,960	7,091	3,896,960	8,900	3,249,827	11,950	3,249,827	1,250	1,044,474	1,250	1,044,474	30	23,500	30	23,500	3,300	3,332	248		457	
21 KAYSERİ	3,838	4,346,451	3,937	4,346,451	978	177,510	1,538	177,510	4,535	2,784,130	4,185	2,784,130					856	1,078	757		589	
22 KONYA	1,689	2,083,974	1,764	2,083,974	2,022	329,957	2,109	329,957	3,995	3,570,017	4,154	3,570,017					1,247	1,187	2,524	34,768	5,935	34,768
23 KÜTAHYA	7,455	9,793,532	7,548	9,793,532	5,823	1,574,787	5,437	1,574,787	2,115	2,177,576	2,115	2,177,576	50		50		4,107	3,678	1,206	269,908	1,244	269,908
24 MERSİN	10,250	6,317,471	10,350	6,317,471	11,350	3,019,360	10,815	3,019,360	2,500	1,928,966	2,545	1,928,966	170	74,589	139	74,589	4,700	4,328				
25 MUĞLA	26,825	15,499,027	27,324	15,499,027	6,000	2,074,466	5,789	2,074,466	5,701	1,113,003	5,771	1,113,003	1,000	133,950	1,081	133,950	1,500	1,141			143	
26 SAKARYA	4,387	3,600,759	4,371	3,600,759	6,658	2,042,238	6,295	2,042,238	1,031	984,154	1,183	984,154	145	171,945	25	171,945	7,059	5,406	2,552	196,330	3,324	196,330
27 SİNOP	3,954	3,530,608	4,095	3,530,608	2,400	696,999	2,869	696,999	350	290,038	350	290,038	10	4,655	10	4,655	1,450	2,103	827	46,848	724	46,848
28 ŞANLIURFA					1,650	410,347	1,749	410,347	34,535	5,987,877	39,737	5,987,877			49		100		400		121	
29 TRABZON	790	826,020	798	826,020	520	1,274,339	2,170	1,274,339	4,230	10,782,06 <sub>A</sub>	4,484	10,782,06 <sub>A</sub>					100	40				
30 ZONGULDAK	9,872	17,372,048	9,872	17,372,048	2,858	4,207,929	3,805	4,207,929	567	2,442,024	712	2,442,024	240	483,526	242	483,526	4,276	4,230				
<b>TOTAL</b>	<b>203,917</b>	<b>200,010,28</b>	<b>207,75</b>	<b>200,010,28</b>	<b>164,831</b>	<b>64,148,22</b>	<b>178,73</b>	<b>64,148,22</b>	<b>113,266</b>	<b>80,540,20</b>	<b>120,87</b>	<b>80,540,20</b>	<b>8,104</b>	<b>12,622,04</b>	<b>8,632</b>	<b>12,622,04</b>	<b>86,924</b>	<b>85,578</b>	<b>60,610</b>	<b>10,352,76</b>	<b>67,876</b>	<b>10,352,76</b>

REGIONAL DIRECTORATE	SILVICULTURAL PLANS		NATURAL REGENERATION				ARTIFICIAL REGENERATION				YARDOP			INDUSTRIAL MAINTENANCE				PROTECTION OF REGENERATION AND CULTIVATION AREAS						
	Programme Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation	Programme		Implementation		Programme			Implementation			
	Number	TRY	Number	TRY	Hectar	TRY	Hectare	TRY	Hectar	TRY	Hectare	TRY	Hectar	TRY	Hectar	TRY	Hectar	TRY	K.T.K/AD. GUARD/AD.	TRY	K.T.K/AD. GUARD/AD.	TRY	K.T.K/AD. GUARD/AD.	TRY
1 ADANA			5,324	27,552,394	7,189	27,552,395	2,554	17,401,853	2,031	17,401,853	3,500	3,950	6,360	3,199,680	6,458	3,199,688	0	0	0	0	0	0	0	0
2 AMASYA			988	11,626,960	1,171	11,626,969	119	1,039,513	128	1,039,513			38	65,250	38	65,250	0	26	956,156	0	26	0	956,156	
3 ANKARA			256	2,813,307	304	2,813,307		3,124,791	187	3,124,791							0	0	0	0	0	0	0	
4 ANTALYA			29,253	17,083,120	27,740	17,083,129	13,134	28,576,270	12,601	28,576,272	23,000	65,000	18,000	65,000	9,234	9,615,501	9,326	9,615,501	0	13	742,236	0	11	742,236
5 ARTVİN			55	135,240	55	135,240	95	2,431,546	114	2,431,546							0	0	0	0	0	0	0	
6 BALIKESİR	4	89	408	5,495,691	419	5,495,691	243	5,936,220	400	5,936,220	239	239	1,293	200,136	1,354	200,136	0	167	12,081,106	0	175	0	12,081,196	
7 BOLU			481	9,058,342	921	9,058,342	151	1,541,988	68	1,541,988							6	0	316,360	36	0	0	316,360	
8 BURSA			1,043	12,747,125	1,466	12,747,125	247	4,449,571	394	4,449,571			482	120,000	363	120,000	0	0	0	0	0	0	0	
9 ÇANAKKALE			883	8,773,485	714	8,773,485	118	6,050,170	475	6,050,170	1,000	67,080	1,000	67,085	1,594	733,066	1,596	733,066	0	0	0	0	0	0
10 DENİZLİ			376	2,742,983	389	2,742,983	332	9,025,996	721	9,025,996	1,000	1,548	4,302	697,313	4,317	697,313	0	0	0	0	0	0	0	0
11 ELAZIĞ							20		20								5	0	41,997	2	0	41,997	0	
12 ERZURUM			487	6,449,771	717	6,449,771	132	281,818	153	281,818							16	0	18,000	10	0	18,000	0	
13 ESKİŞEHİR			367	3,274,904	321	3,274,904	7		7								0	0	0	0	0	0	0	
14 GİRESUN			540	2,702,429	460	2,702,429	317	5,260,490	375	5,260,490							0	241	8,889,378	0	238	0	8,889,378	
15 HATAY			433	2,761,456	377	2,761,456	35	295,927	128	295,927	2,000	300	440	110,640	300	110,640	4	38	687,832	4	40	59,994	627,838	
16 İSPARTA			1,365	6,244,807	1,695	6,244,807	166	975,171	225	975,171	1,000	950	1,710	511,718	1,675	511,718	11	0	90,753	12	0	23,326	67,427	
17 İSTANBUL	17	7	49	14,463,430	1,325	14,463,432	562	5,419,081	465	5,419,081			664	320,346	650	320,346	0	0	0	0	0	0	0	
18 İZMİR	19,950	77,19,950	898	28,771,447	2,677	28,771,447	226	18,539,534	1,097	18,539,534	1,000	1,000	2,880	1,851,952	3,203	1,851,953	0	0	0	0	0	0	0	
19 KAHRAMANMARAŞ	192	1 192	819	3,372,206	774	3,372,206	355	2,857,147	372	2,857,147			565	137,935	565	137,935	0	65	1,327,404	0	46	0	1,327,404	
20 KASTAMONU			990	6,515,341	1,051	6,515,341	208	342,954	267	342,954							0	3	0	0	0	0	0	
21 KAYSERİ	17	6	86	133,533	61	133,533	348	8,606,876	383	8,606,876							39	8	1,095,730	36	2	1,041,716	54,023	
22 KONYA			498	4,936,208	486	4,936,208	433	3,117,012	433	3,117,012							0	0	0	0	0	0	0	
23 KÜTAHYA	6	6	333	1,720,348	379	1,720,348	86	2,458,813	191	2,458,813			61		61		0	0	0	0	0	0	0	
24 MERSİN		91	4,237	5,506,149	4,192	5,506,149	4,092	8,561,573	4,202	8,561,573	5,000	5,000	2,300	146,909	2,139	146,909	0	0	0	0	0	0	0	
25 MUĞLA			30,045	53,079,320	30,160	53,079,324	2,700	10,757,720	1,461	10,757,728	40,923	41,000	3,555	13,937	3,415	13,937	0	0	0	0	0	0	0	
26 SAKARYA			127	2,507,639	488	2,507,639	9	662,900	18	662,900			522		509		0	11	194,854	0	8	0	194,854	
27 SİNOP			495	4,233,124	555	4,233,124	186	523,943	186	523,943							0	0	0	0	0	0	0	
28 ŞANLIURFA																	0	0	0	0	0	0	0	
29 TRABZON			100	1,962,260	108	1,962,260	550	13,333,700	623	13,333,705							0	30	708,897	0	25	31,604	677,293	
30 ZONGULDAK	22	22	711	32,878,410	2,072	32,878,411	73	1,635,701	78	1,635,701							0	0	0	0	0	0	0	
<b>TOTAL</b>	<b>66 20,142</b>	<b>299 20,142</b>	<b>81,645</b>	<b>279,541,450</b>	<b>88,270</b>	<b>279,541,454</b>	<b>27,407</b>	<b>163,208,200</b>	<b>27,800</b>	<b>163,208,293</b>	<b>78,660</b>	<b>132,080</b>	<b>72,990</b>	<b>132,085</b>	<b>36,000</b>	<b>17,724,300</b>	<b>35,970</b>	<b>17,724,393</b>	<b>81</b>	<b>602</b>	<b>27,150,800</b>	<b>100</b>	<b>571</b>	<b>1,216,630</b>

Annex 11.1: Distribution of Afforestation, Soil Conservation and Integrated Basin Improvement Projects  
Implementation Results by Regional Directorates of Forestry, 2022

REGIONAL DIRECTORATE	SURVEY-PROJECT				AFFORESTATION				INDUSTRIAL AFFORESTATION			AFFORESTATION/INDUS TRIAL				SPECIAL AFFORESTATION	REHABILITATION				REHABILITATION MAINTENANCE				
	Programme		Implementa		Programme		Implementati		Programme			Programme		Implementatio		Implementation	Programme		Implementatio		Programme				
	Hectare	TRY	Hecta	TRY	Hectare	TRY	Hecta	TRY	Hectare	TRY	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	TRY	
1 ADANA	3,007	30,000	3,007	29,649	170	17,014,000	170	17,028,211	2,780	21,764,000	22,665,347	5,600	5,600	7,574,161	13	63,892	545	402,846	665	402,601	1,400	500,000	1,400	500,000	
2 AMASYA	3,400	104,000	6,097	15,075	842	9,006,000	392	5,965,014	74	1,396,000	74	1,324,825	4,514	4,514	8,301,777	118	3,311,933	2,208	355,302	3,955	355,302	1,830	975,000		
3 ANKARA	2,035	40,000	2,022		805	7,757,000	825	5,956,000				3,300	3,300	5,560,846	108	1,357,754	4,013	1,093,883	1,206,090		3,030	1,560,000	3,030	1,560,000	
4 ANTALYA	500	43,000	627	43,000					360	2,340,000	360	2,339,980	1,197	1,197	2,873,330	2	5,347	55	2,002,648	61	2,002,640	120	90,000	120	90,000
5 ARTVİN	1,450		1,453		30	357,000	30	351,468				50	150,000	50	150,000	2		355	381,839	397	381,839	1,115	450,000		
6 BALIKESİR	2,300	46,000	1,120	46,000	253	9,235,000	253	5,950,000	735	8,500,000	735	7,850,000	4,334	4,334	13,840,604	276	3,027,790	219	11,650	852	11,650	1,680	260,000		
7 BOLU	200		72		38	792,000	38	758,493				500	931,000	504	931,749			321	0	301	0	55	25,000	70	21,217
8 BURSA	1,000	20,000	1,000	20,000	160	11,420,000	160	11,420,000	1,525	13,981,000	13,980,000	4,300	4,300	8,130,127	43	212,150	2,745	781,566	2,555	781,566	325	115,000	325	115,000	
9 ÇANAKKALE	4,000	80,000	4,070	80,000	245	4,246,000	245	2,750,000	1,644	20,090,000	16,702,000	5,050	5,050	11,344,656	1	168,828	0	0	0	0	110		145,000		
10 DENİZLİ	1,100		1,020		239	5,354,000	239	5,342,819	998	8,456,000	998	7,463,241	4,250	4,250	10,735,066	146	3,234,144	1,211	2,159,512	2,062,110		1,330	760,000		
11 ELAZIĞ	14,010	224,000	16,17	199,420	777	12,860,000	777	10,625,974				3,500	3,500	9,422,397	391	3,573,519	3,050	658,602	4,299	658,311		1,105	530,000		
12 ERZURUM	7,549	40,000	7,678	35,607	867	6,001,000	867	6,110,026				3,000	3,000	3,466,842	8	347,606	2,600	150,145	2,395	150,145		2,080	800,000		
13 ESKİŞEHİR	4,416	165,000	4,791	783,119	695	9,375,000	716	8,026,800				3,750	3,750	10,297,218	70	1,036,405	586	1,024,316	544	207,652		2,740	1,130,000		
14 GİRESUN	2,519	100,000	2,500	96,660	369	3,205,000	369	3,384,753				700	2,310,000	700	2,128,236			467	4,228,081	857	4,203,490	610	610	23,196	
15 HATAY	3,000	102,000	5,063	3,682	820	5,603,000	620	7,229,417	620	8,400,000	404	8,313,453	4,134	4,134	5,654,035			495	360,584	432	435,584	800	680,000	800	218,000
16 İSPARTA	1,100	22,000	2,713		230	4,243,000	230	1,986,541	999	10,941,000	10,057,780	3,850	3,850	10,152,456	64	85,811	0	0	0	0		1,880	1,190,000		
1 İSTANBUL	1,000	20,000	839	53,100	230	6,549,000	230	4,500,274	1,950	15,530,000	12,788,810	5,600	5,600	14,888,791	187	4,017,111	300	250,000	300	213,199		1,420	740,000		
1 İZMİR	1,400	28,000	1,034	62,977	270	4,950,000	270	5,460,000	619	8,239,000	485	6,758,374	3,700	3,700	6,427,000		23,439	556	1,027,221	841	1,027,221	630	360,000	630	360,000
1 KAHRAMANMA D A C	3,500	70,000	4,271		500	14,050,000	508	12,355,550	1,170	9,740,000	8,142,999	11,300	11,300	18,695,777	254	3,271,211	758	2,881,644	931	2,881,644	430		170,000		
2 KASTAMONU					50	927,000	50	658,680				400	260,000	400	453,921			520	0	2,074	0	500	250,000	500	250,000
2 KAYSERİ	4,400	254,000	4,430	334,827	990	14,703,000	990	9,050,513				4,300	4,300	17,178,634	170	2,730,158	3,442	1,778,471	1,588,160			3,750	2,930,000		
2 KONYA	5,500	159,000	5,500	159,000	398	5,689,000	550	5,182,066	200	2,704,000	3,006,748	3,250	3,250	5,196,511	309	3,594,149	1,872	1,932,353	2,694,940			1,425	1,453,000		
2 KÜTAHYA	1,500	30,000	1,300	30,000	380	3,786,000	380	4,935,654	220	3,165,000	220	3,799,114	2,200	2,200	3,255,162	11	357,015	1,123	1,323,984	1,323,984	750	450,000	750	450,000	
2 MERSİN	5,000	100,000	5,397	575,997	730	9,193,000	896	5,034,951	916	7,660,000	6,733,807	3,700	5,416	13,486,492	92	663,244	360	1,837,350	737	1,837,350		1,000	850,000		
2 MUĞLA	4,000	80,000	2,513		920	1,375,000	927	2,802,287	2,160	13,820,000	11,836,850	6,678	6,678	7,713,091	55	265,692	4,169	1,905,600	1,905,600			1,030	1,030,000		
2 SAKARYA	600	12,000	278	8,899	100	9,540,000	113	9,540,000	917	8,440,000	927	8,440,000	3,500	3,489	7,966,000	5	162,167	212	1,801,626	555	1,801,626	520	290,000	520	290,000
2 SİNOP					10	195,000	10	39,009	300	2,620,000	300	3,970,100	2,300	2,300	1,506,567		96,601	280	15,200	781	15,200	300	77,000	300	76,614
2 ŞANLIURFA	4,500		4,496		280	8,000,000	290	7,780,000				1,470	1,200	4,750,000		223,665	10,000	3,939,446	3,939,446			605	380,000	605	
2 TRABZON	4,500	90,000	4,706		800	3,345,000	825	3,063,186				1,304	1,822	4,312,238		4,214	5,272	595	1,360,582	656	895,143		3,110	2,120,000	
3 ZONGULDAK	1,100	22,000	1,138	8,118	6	90,000	6	401,945	74	1,700,000	79	2,500,000	900	900	3,322,459	1	50,544	150	174,513	270	174,513	150	375,000	150	999,454
CENTRAL																		0	0	0	0				
<b>TOTAL</b>	<b>88,586</b>	<b>95,30</b>	<b>2,585,13</b>	<b>12,204</b>	<b>11,976</b>	<b>163,689,6</b>	<b>18,261</b>	<b>169,486,000</b>	<b>158,673,4</b>	<b>102,631</b>	<b>104,588</b>	<b>104,588</b>	<b>6,537</b>	<b>5,272</b>	<b>43,208</b>	<b>33,838,964</b>	<b>33,157,0</b>	<b>35,830</b>	<b>20,565,000</b>	<b>20,565,000</b>	<b>35,830</b>	<b>20,565,000</b>	<b>20,565,000</b>	<b>20,565,000</b>	<b>20,565,000</b>

Amount of Afforestation Activities Carried out by Other Institutions: 552 hectares

REGIONAL DIRECTORATE	SOIL CONSERVATION				SOIL CONSERVATION AND MAINTENANCE				PASTURE IMPROVEMENT				AVALANCHE CONTROL AND MAINTENANCE				FLOOD CONTROL				TOTAL	
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation			
	Hectare	TRY	Hectar	TRY	Hectare	TRY	Hectar	TRY	Hectare	TRY	Hectar	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	TRY	TRY
1 ADANA	200	1,756,000	200	1,096,478	2,400	1,440,000	2,400	2,129,211	200	200,000	200	193,494			1,000	1,550,000	1,000	1,526,704	4,946,000	4,945,887		
2 AMASYA	1,372	3,485,000	1,125	3,619,937	6,000	3,870,000	6,000	4,758,124	875	1,592,000	300	544,969			3,443	3,950,000	3,443	2,581,549	12,897,000	11,504,579		
3 ANKARA	1,050	4,200,000	1,050	4,200,000	5,050	2,880,000	5,100	3,098,112	150	150,000	150	150,000			150	820,000	150	600,067	8,050,000	8,048,179		
4 ANTALYA					300	180,000	300	180,000											180,000	180,000		
5 ARTVİN	500	2,655,000	500	2,654,510	3,000	1,800,000	3,000	1,800,000	600	600,000	600	600,000			500	370,000	500	370,000	5,425,000	5,424,510		
6 BALIKESİR									100	44,000	100	43,188							44,000	43,188		
7 BOLU					30	18,000	30	18,000	50	242,000	50	242,000							260,000	260,000		
8 BURSA					100	58,000	100	57,873											58,000	57,873		
9 ÇANAKKALE																			0	0		
10 DENİZLİ	173	1,460,000	173	1,320,053	1,350	810,000	1,350	948,275											2,270,000	2,268,328		
11 ELAZIĞ	4,165	16,830,000	4,165	16,915,693	22,400	10,315,000	22,400	10,354,784	7,020	7,906,000	7,020	7,929,524			3,300	1,900,000	3,300	1,745,356	36,951,000	36,945,357		
12 ERZURUM	2,865	11,885,000	2,903	8,578,837	5,250	3,150,000	5,250	3,429,124	3,200	3,200,000	3,223	6,373,542			1,000	3,000,000	1,000	2,824,899	21,235,000	21,206,402		
13 ESKİŞEHİR	2,696	10,425,000	2,699	8,160,514	3,025	2,200,000	3,025	4,463,351	200	200,000	200	200,000							12,825,000	12,823,865		
14 GİRESUN	405	3,942,000	405	1,176,240	5,500	2,300,000	5,500	4,895,506	100	100,000	100	132,028			2,848	4,462,000	1,900	2,490,681	10,804,000	8,694,455		
15 HATAY	600	3,118,000	600	2,989,836	700	420,000	700	548,000											3,538,000	3,537,836		
16 İSPARTA	300	1,225,000	300	616,070	2,010	1,233,000	2,010	1,851,979	50	50,000	50	39,229							2,508,000	2,507,278		
17 İSTANBUL																			0	0		
18 İZMİR	340	2,400,000	340	2,523,539	1,550	1,960,000	1,550	1,836,439											4,360,000	4,359,978		
19 KAHRAMANMAR	500	2,525,000	500	2,151,352	3,500	2,240,000	3,500	2,391,581	150	150,000	150	338,223							4,915,000	4,881,156		
20 KASTAMONU					400	240,000	400	71,524	50	50,000	50	49,460			500	989,000	500	1,157,220	1,279,000	1,278,204		
21 KAYSERİ	2,330	10,706,000	2,100	9,314,706	7,920	10,256,000	7,920	12,607,154	150	200,000	100	148,090			625	3,900,000	625	2,445,142	25,062,000	24,515,092		
22 KONYA	500	2,045,000	500	1,262,545	2,510	3,176,000	2,510	3,951,953	100	100,000	100	103,900							5,321,000	5,318,398		
23 KÜTAHYA	50	150,000	50	150,000					100	30,000	100	30,000							180,000	180,000		
24 MERSİN	220	1,078,000	222	895,522	1,750	1,350,000	1,750	1,519,244											2,428,000	2,414,766		
25 MUĞLA																			0	0		
26 SAKARYA																			0	0		
27 SİNOP					600	108,000	600	107,779											108,000	107,779		
28 ŞANLIURFA	1,200	4,572,000	1,456	4,409,547	10,830	7,098,000	11,407	6,882,869	400	400,000	400	773,596							12,070,000	12,066,012		
29 TRABZON	500	2,207,000	562	2,207,000	2,000	1,200,000	2,000	1,199,669					10	500,000	10	500,000	3,000	6,500,000	3,000	6,500,000	10,407,000	10,406,669
30 ZONGULDAK					100	20,000	100	6,957							820	1,405,000	820	1,418,043	1,425,000	1,425,000		
CENTRAL		124,000		123,935															124,000	123,935		
<b>TOTAL</b>	<b>19,966</b>	<b>86,788,000</b>	<b>19,850</b>	<b>74,366,314</b>	<b>88,275</b>	<b>58,322,000</b>	<b>88,902</b>	<b>69,107,508</b>	<b>13,495</b>	<b>15,214,000</b>	<b>12,893</b>	<b>17,891,243</b>	<b>10,500,000</b>	<b>10,500,000</b>	<b>17,186</b>	<b>28,846,000</b>	<b>16,238</b>	<b>23,659,661</b>	<b>189,670,000</b>	<b>185,524,726</b>		

Annex 11.2: Distribution of Afforestation, Soil Conservation and Basin Improvement Results by Regional Directorates of Forestry, 2022

REGIONAL DIRECTORATE	SAPLING PRODUCTION				SAPLING MAINTENANCE				SEED PRODUCTION				SEED MAINTENANCE			
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation	
	Number	TRY	Number	TRY	Number	TRY	Number	TRY	Tonne	TRY	Tonne	TRY	Tonne	TRY	Tonne	TRY
1 ADANA	7,400	9,358,000	7,400	9,532,856	3,700	2,200,000	3,700	2,199,629	4	445,000	4.2	533,900	4	40,000	4	40,000
2 AMASYA	6,000	9,840,000	6,000	9,840,000	3,100	1,800,000	3,100	1,799,985	8	520,000	8.0	520,000	5	30,000	5	30,000
3 ANKARA	6,600	14,050,000	6,600	12,982,992	3,450	1,300,000	3,450	2,336,172	4	260,000	4.0	260,000	4	40,000	4	40,000
4 ANTALYA	6,000	5,700,000	6,000	5,588,483	3,500	800,000	3,500	1,052,189	3	195,000	4.5	337,969	5	50,000	5	50,000
5 ARTVİN	650	900,000	650	900,000	400	340,000	400	338,976	2	185,000	2.2	155,827				
6 BALIKESİR	11,500	9,928,000	11,500	9,846,004	5,900	2,250,000	5,900	2,250,000	4	260,000	4.0	260,000	5	50,000	5	50,000
7 BOLU	1,200	2,150,000	1,200	2,059,832	700	422,000	700	619,525	2	130,000	0.5	64,080				
8 BURSA	2,400	4,550,000	2,400	4,630,000	1,450	650,000	1,450	644,572	3	195,000	1.9	195,000	4	40,000	4	40,000
9 ÇANAĞKALE	6,000	3,900,000	6,000	3,833,199	3,400	950,000	3,400	949,398	3	195,000	3.0	195,000				
10 DENİZLİ	8,500	4,310,000	8,500	4,253,619	4,700	1,850,000	4,700	1,850,000	2	480,000	4.1	480,000	5	60,000	5	60,000
11 ELAZIĞ	11,500	18,520,000	11,500	18,499,911	5,800	1,950,000	5,800	1,944,755	11	630,000	11.0	630,000	2	20,000	2	20,000
12 ERZURUM	5,000	6,550,000	5,000	6,578,832	3,350	1,000,000	3,350	999,253	5	325,000	5.0	325,000	3	30,000	3	30,000
13 ESKİŞEHİR	8,400	14,750,000	8,400	14,750,000	4,800	1,900,000	4,800	1,879,871	5	325,000	5.0	325,000	8	80,000	8	80,000
14 GİRESUN	3,000	4,400,000	3,000	4,360,800	1,600	500,000	1,600	480,000	1	65,000	2.8	65,000	3	30,000	3	30,000
15 HATAY	5,150	2,800,000	5,150	2,826,490	2,970	900,000	2,970	883,813	3	195,000	2.5	118,376	6	60,000	6	
16 ISPARTA	8,000	3,040,000	8,000	2,938,270	4,400	1,300,000	4,400	1,287,246	4	460,000	5.0	322,000	7	70,000	7	15,000
17 İSTANBUL	4,250	10,018,000	4,250	9,556,912	2,250	1,100,000	2,250	1,083,350	3	545,000	3.2	544,758				
18 İZMİR	11,500	11,855,000	11,500	11,626,143	5,500	2,050,000	5,500	2,043,502	3	195,000	3.0	195,000	12	100,000	12	100,000
19 KAHRAMANMARAŞ	4,450	6,350,000	4,450	6,263,279	3,230	1,050,000	3,230	1,033,170	3	195,000	3.0	195,000				
20 KASTAMONU	1,500	2,160,000	1,500	2,405,000	800	320,000	800	426,161	3	195,000	3.0	50,000	3	60,000	3	30,000
21 KAYSERİ	9,000	15,440,000	9,000	15,425,380	4,600	3,250,000	4,600	3,264,048	6	350,000	5.6	335,446	1	10,000	1	10,000
22 KONYA	7,000	8,757,000	7,000	8,742,454	3,750	1,800,000	3,750	1,800,000	3	395,000	3.0	395,000	8	80,000	8	80,000
23 KÜTAHYA	800	880,000	800	1,055,295	400	160,000	400	155,265	1	65,000	1.0	65,000				
24 MERSİN	6,000	6,700,000	6,000	6,974,909	3,350	1,600,000	3,350	1,304,842	3	195,000	4.0	230,000				
25 MUĞLA	12,000	11,770,000	12,000	11,770,108	4,900	2,250,000	4,900	2,238,797	3	195,000	2.8	189,286	5	50,000	5	50,000
26 SAKARYA	1,600	3,300,000	1,600	3,598,882	800	350,000	800	350,000	2	130,000	2.0	36,150				
27 SİNOP	500	590,000	500	664,746	200	130,000	200	129,980	1	65,000	0.5	65,000				
28 ŞANLIURFA	7,700	11,800,000	7,700	11,920,027	3,750	1,610,000	3,750	1,610,000	8	490,000	9.0	490,000				
29 TRABZON	4,500	8,200,000	4,500	8,174,626	2,400	1,100,000	2,400	1,100,000	4	260,000	4.0	260,000	5	50,000	5	50,000
30 ZONGULDAK	1,900	6,700,000	1,900	6,777,622	850	400,000	850	400,000	5	330,000	5.1	217,702	5	50,000	5	50,000
<b>TOTAL</b>	<b>170,000</b>	<b>219,266,000</b>	<b>170,000</b>	<b>218,376,671</b>	<b>90,000</b>	<b>37,282,000</b>	<b>90,000</b>	<b>38,454,498</b>	<b>112</b>	<b>8,470,000</b>	<b>116.8</b>	<b>8,055,493</b>	<b>100</b>	<b>1,000,000</b>	<b>100</b>	<b>855,000</b>

REGIONAL DIRECTORATE	INDIVIDUAL LOANS											COOPERATIVE LOANS				
	WORK PROGRAMME						IMPLEMENTATION						Project Number Submitted	Amount of Loan Approved	Realization	Appropriation
	Social		Economic		TOTAL		Social		Economic		TOTAL					
	Number of Families	TRY Families	Number of	TRY	Number of Families	TRY	Number of Families	TRY	Number of Families	TRY	Number of Families	TRY	Number	TRY	TRY	TRY
1 ADANA	125	1,000,000	446	28,469,984	571	29,469,984	125	1,000,000	446	28,469,984	571	29,469,984				
2 AMASYA			284	17,596,073	284	17,596,073			284	17,596,073	284	17,596,073	1	1,175,000	1,175,000	1,175,000
3 ANKARA	140	3,878,454	213	11,170,980	353	15,049,434	140	3,878,447	213	11,169,500	353	15,047,947				
4 ANTALYA			122	9,980,961	122	9,980,961			122	9,980,961	122	9,980,961				
5 ARTVİN	371	3,852,000	65	4,445,000	436	8,297,000	371	3,852,000	65	4,445,000	436	8,297,000				
6 BALIKESİR			389	21,471,370	389	21,471,370			389	21,471,370	389	21,471,370				
7 BOLU	422	11,030,840	222	15,021,293	644	26,052,133	422	11,030,840	222	15,021,293	644	26,052,133	2	1,320,000	1,320,000	1,320,000
8 BURSA	62	2,109,227	297	24,830,000	359	26,939,227	62	2,109,007	297	24,830,000	359	26,939,007	2	1,760,000	1,752,647	1,752,647
9 ÇANAKKALE	46	1,484,347	254	14,760,000	300	16,244,347	46	1,484,347	254	14,760,000	300	16,244,347				
10 DENİZLİ	113	3,731,881	485	21,494,000	598	25,225,881	113	3,731,882	485	21,480,040	598	25,211,922	1	750,000	740,000	740,000
11 ELAZIĞ	57	1,165,149	325	19,844,707	382	21,009,856	57	1,165,149	325	19,844,707	382	21,009,856				
12 ERZURUM			196	12,147,837	196	12,147,837			196	12,147,837	196	12,147,837				
13 ESKİŞEHİR	36	1,095,811	321	15,501,000	357	16,596,811	36	1,095,811	321	15,501,000	357	16,596,811				
14 GİRESUN	108	1,242,000	178	14,828,361	286	16,070,361	108	1,242,000	178	14,825,699	286	16,067,699				
15 HATAY			170	9,715,000	170	9,715,000			169	9,654,632	169	9,654,632				
16 İSPARTA			215	11,595,876	215	11,595,876			215	11,595,876	215	11,595,876	1	987,317	987,317	987,317
17 İSTANBUL	25	675,000	172	10,319,223	197	10,994,223	25	674,988	172	10,313,887	197	10,988,875				
18 İZMİR	125	3,733,657	300	17,323,657	425	21,057,315	125	3,701,496	300	17,323,657	425	21,025,153				
19 KAHRAMANMAR A	26	600,338	192	8,918,352	218	9,518,689	26	600,338	192	8,918,352	218	9,518,689				
20 KASTAMONU	89	1,066,108	347	22,068,000	436	23,134,108	89	1,066,108	347	22,068,000	436	23,134,108				
21 KAYSERİ	67	2,501,474	263	13,559,000	330	16,060,474	67	2,499,474	263	13,558,998	330	16,058,472	1	1,033,751	1,023,788	1,023,788
22 KONYA	73	2,606,635	662	31,902,695	735	34,509,330	73	2,606,635	662	31,902,695	735	34,509,330				
23 KÜTAHYA	14	373,559	180	13,634,000	194	14,007,559	14	373,559	180	13,634,000	194	14,007,559				
24 MERSİN	33	1,056,332	242	16,508,000	275	17,564,332	33	1,056,332	242	16,508,000	275	17,564,332				
25 MUĞLA	14	562,883	225	10,290,000	239	10,852,883	14	562,883	225	10,290,000	239	10,852,883				
26 SAKARYA	190	5,067,228	157	11,149,013	347	16,216,241	190	5,067,228	157	11,149,013	347	16,216,241	1	1,300,000	1,300,000	1,300,000
27 SİNOP	44	220,000	146	14,779,821	190	14,999,821	44	220,000	146	14,779,821	190	14,999,821				
28 ŞANLIURFA			242	12,250,000	242	12,250,000			242	12,250,000	242	12,250,000				
29 TRABZON	444	4,952,996	203	11,052,076	647	16,005,072	444	4,952,996	203	11,052,076	647	16,005,072				
30 ZONGULDAK	44	1,220,321	238	20,660,345	282	21,880,666	44	1,220,321	238	20,660,345	282	21,880,666				
CENTRAL						556,067						0				
<b>TOTAL</b>	<b>2,668</b>	<b>55,226,242</b>	<b>7,751</b>	<b>467,286,624</b>	<b>10,419</b>	<b>523,068,932</b>	<b>2,668</b>	<b>55,191,841</b>	<b>7,750</b>	<b>467,202,815</b>	<b>10,418</b>	<b>522,394,657</b>	<b>9</b>	<b>8,326,068</b>	<b>8,298,752</b>	<b>8,298,752</b>

Annex 13: Distribution of Loans Provided to Forest Villages and Cooperative Associations by Regional Directorates of Forestry, 2022

## Annex 14: Distribution of Wood Production and Sales Programme Implementation Results by Regional Directorates of Forestry, 2022

REGIONAL DIRECTORATE	STANDING BARKED STEM VOLUME		PRODUCTION STATUS				SALES STATUS							
			Industrial Wood		Firewood		PROGRAMME	Standing		Industrial Wood		Firewood		SALES REVENUE
	Programme	Realization	Programme	Realization	Programme	Realization		Tree Sales	Realization	Realization	Realization			
	Thousand M <sup>3</sup>	Thousand M <sup>3</sup>	Thousand M <sup>3</sup>	Thousand M <sup>3</sup>	Thousand Steres	Thousand Steres	Thousand TRY	Thousand M <sup>3</sup>	Thousand TRY	Thousand M <sup>3</sup>	Thousand TRY	Thousand Steres	Thousand TRY	Thousand TRY
1 ADANA	1,850	1,805	1,480	1,480	230	212	1,500,000	818	642,672	725	1,094,035	194	37,453	1,774,160
2 AMASYA	2,000	1,838	1,620	1,457	445	500	1,400,000	236	236,485	1,191	1,363,822	487	58,282	1,658,589
3 ANKARA	740	720	597	545	156	130	500,000	185	192,443	368	507,060	118	8,284	707,788
4 ANTALYA	4,000	3,912	3,100	2,566	490	842	1,400,000	3,799	1,113,463	75	124,245	50	8,792	1,246,500
5 ARTVİN	400	364	315	298	75	64	380,000	315	339,968	39	79,514	62	631	420,113
6 BALIKESİR	1,650	1,549	1,350	1,139	185	227	1,300,000	460	432,027	731	971,812	173	15,846	1,419,686
7 BOLU	2,500	2,167	2,000	1,585	255	283	2,400,000	222	302,543	1,287	2,377,240	279	20,402	2,700,186
8 BURSA	1,850	1,673	1,510	1,372	300	323	1,200,000	624	621,869	726	842,576	313	32,819	1,497,264
9 ÇANAKKALE	1,200	1,168	960	828	190	190	900,000	498	539,716	438	520,129	174	41,986	1,101,831
10 DENİZLİ	800	691	655	520	80	84	600,000	154	171,339	399	485,363	72	6,490	663,192
11 ELAZIĞ	60	124	45	28	45	70	12,000	39	13,739	11	4,359	50	7,975	26,072
12 ERZURUM	440	320	350	194	55	74	260,000	36	34,345	156	294,576	68	9,883	338,804
13 ESKİŞEHİR	400	384	320	260	75	119	200,000	130	120,756	146	129,711	119	8,845	259,312
14 GİRESUN	1,150	1,046	920	773	120	117	900,000	18	10,924	711	1,000,122	115	9,448	1,020,494
15 HATAY	402	212	323	197	42	49	230,000	87	84,878	102	103,050	43	11,726	199,654
16 ISPARTA	800	626	650	502	55	102	600,000	513	558,171	84	115,241	49	2,758	676,171
17 İSTANBUL	1,500	1,393	1,230	1,206	330	433	920,000	255	352,962	857	680,979	429	38,464	1,072,404
18 İZMİR	1,300	1,215	1,075	975	125	179	900,000	595	645,874	428	427,100	139	14,365	1,087,340
19 KAHRAMANMARAŞ	448	415	357	323	68	76	372,000	175	191,187	169	234,528	71	14,151	439,866
20 KASTAMONU	2,730	2,195	2,185	1,581	277	315	1,800,000	375	508,993	1,160	1,510,706	326	35,066	2,054,765
21 KAYSERİ	420	432	340	344	65	51	250,000	336	178,876	85	106,828	50	3,750	289,454
22 KONYA	300	389	210	287	40	50	220,000	260	189,819	79	35,449	26	4,755	230,023
23 KÜTAHYA	1,000	997	800	707	210	204	700,000	340	337,444	349	575,145	187	8,199	920,788
24 MERSİN	1,200	1,119	980	948	50	87	600,000	836	341,344	213	265,367	49	8,517	615,229
25 MUĞLA	3,080	3,162	2,420	2,015	300	208	1,700,000	185	63,188	1,627	1,806,012	177	29,739	1,898,939
26 SAKARYA	1,050	931	820	712	240	354	700,000	245	351,543	420	397,526	363	63,807	812,876
27 SİNOP	1,070	1,054	855	791	123	166	800,000	40	51,621	681	941,599	166	23,424	1,016,644
28 ŞANLIURFA		3		4	95	280	27,000	1	1,221	1	188	285	40,660	42,068
29 TRABZON	400	337	300	273	35	40	320,000	331	390,420	2	825	31	693	391,938
30 ZONGULDAK	2,260	1,915	1,833	1,570	244	298	2,084,000	357	408,389	1,171	1,947,501	298	28,079	2,383,969
<b>TOTAL</b>	<b>37,000</b>	<b>34,159</b>	<b>29,600</b>	<b>25,481</b>	<b>5,000</b>	<b>6,129</b>	<b>25,175,000</b>	<b>12,465</b>	<b>9,428,220</b>	<b>14,432</b>	<b>18,942,608</b>	<b>4,959</b>	<b>595,290</b>	<b>28,966,118</b>

REGIONAL DIRECTORATE	INVENTORY AND PLANNING						FOREST PARK		
	Number of Species Detected		Spreading Area		Amount Utilized		Established	Cancelled	Existing
	Programme	Realization	Programme	Realization	Programme	Realization			
	Number	Number	Hectare	Hectare	Tonne	Tonne	Number	Number	Number
1 ADANA	10	4	15,000	11,259	3,000	12,372	2		35
2 AMASYA	10	6	10,000	1,872	2,000	1,213	7		85
3 ANKARA	10	15	10,000	14,757	2,000	325	4		41
4 ANTALYA	10	25	20,000	50,621	4,000	6,805	6	4	151
5 ARTVIN	10	10	10,000	16,363	2,000	796	4	1	25
6 BALIKESİR	10	15	15,000	5,196	3,000	946	4		23
7 BOLU	10	13	10,000	12,113	2,000	28,501	7	3	58
8 BURSA	10	18	10,000	20,701	2,000	2,831	13	3	107
9 ÇANAKKALE	10	24	10,000	10,198	2,000	7,141	5	1	41
10 DENİZLİ	10	18	10,000	2,068	2,000	110	2	6	50
11 ELAZIĞ	10	8	5,000	9,868	1,000	1,240	1	2	20
12 ERZURUM	10	10	10,000	4,401	2,000	1,124	2		31
13 ESKİŞEHİR	10	18	10,000	14,658	2,000	679	3		36
14 GİRESUN	10	10	15,000	9,025	3,000	2,126	6		59
15 HATAY	10	2	5,000	204	1,000	86	4		28
16 İSPARTA	10	7	15,000	15,182	3,000	862	2		30
17 İSTANBUL	10	12	15,000	17,548	3,000	1,352	10	2	205
18 İZMİR	10	22	25,000	33,123	5,000	4,211	3	2	93
19 KAHRAMANMARA	10	14	10,000	11,499	2,000	3,128	4		37
20 KASTAMONU	10	14	15,000	7,544	3,000	3,908	1		19
21 KAYSERİ	10	4	5,000	6,733	1,000	33	1	1	14
22 KONYA	10	14	15,000	17,392	3,000	2,333	5	1	61
23 KÜTAHYA	10	7	10,000	13,121	2,000	1,441	2	1	19
24 MERSİN	10	13	10,000	6,724	2,000	1,969	4	1	45
25 MUĞLA	10	3	10,000	4,367	2,000	142	4	5	106
26 SAKARYA	10	11	10,000	7,675	2,000	8,135	25	3	226
27 SİNOP	10	4	5,000	2,608	1,000	3,236			15
28 ŞANLIURFA	10	2	10,000	182	2,000	12	4		21
29 TRABZON	10	26	10,000	14,937	2,000	353	9	1	68
30 ZONGULDAK	10	10	15,000	12,465	3,000	26,898	5	3	52
<b>TOTAL</b>	<b>300</b>	<b>359</b>	<b>345,000</b>	<b>354,404</b>	<b>69,000</b>	<b>124,308</b>	<b>149</b>	<b>40</b>	<b>1,801</b>

## Annex 16: Strategic Plan Evaluation Table, 2022

**STRATEGIC GOAL (G1): TO PROTECT FORESTS AND FOREST RESOURCES AGAINST BIOTIC AND ABIOTIC PESTS**

**Target (T1.1):** Preventive actions will be increased for fight against forest fires and response capacity will be strengthened.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/ PROTECTION OF FORESTS AND FOREST RESOURCES

**Target of Sub-Programme related to Strategic Goal** Protecting forests against biotic and abiotic pests and ensuring the sustainability of forest existence by monitoring the health of forest ecosystems

**Target (T1.1) Performance****70.0****Responsible Unit****Department of Fighting Forest Fire****Performance Indicators**

	Criterion	Impact on Target (%)	Plan Period Initial Value (A)	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)	
PG1.1.1	Ratio of the number of man-made fires to the total	Percen	15	87.0	84.0	83.4	120.0
PG1.1.2	Area per fire	Hectar	30	2.60	2.30	5.92	-1,106.7
PG1.1.3	Duration of first response to fire-sensitive areas of the	Minute	55	15.0	13.0	11.0	200.0

**Target-Related Considerations**

In the period between 2018 and 2022, an average of 2,641 forest fires were responded to and a forest area of 38,049 hectares/year was damaged. Duration of first response to fire-sensitive areas of the first degree was 11.0 minutes.

**STRATEGIC GOAL (G1): TO PROTECT FORESTS AND FOREST RESOURCES AGAINST BIOTIC AND ABIOTIC PESTS**

**Target (T1.2):** The health of forest ecosystems will be monitored, and forest existence and health will be protected by taking natural or nature-friendly preventive actions for disease and pest control.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/ PROTECTION OF FORESTS AND FOREST RESOURCES

**Target of Sub-Programme related to Strategic Goal** Protecting forests against biotic and abiotic pests and ensuring the sustainability of forest existence by monitoring the health of forest ecosystems

**Target (T1.2) Performance****98.5****Responsible Unit****Department of Forest Pest Control****Performance Indicators**

	Criterion	Impact on Target (%)	Plan Period Initial Value (A)	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)	
PG1.2.1	Number of observation plots where the health of forest ecosystems will be monitored	Number	30	661	661	629	95.2
PG1.2.2	Number of laboratories established (cumulative)	Number	25	8	10	10	100.0
PG1.2.3	Number of unmanned protection systems installed (cumulative)	Number	25	1	5	15	350.0
PG1.2.4	Number of camera traps for preventing grazing damage (cumulative)	Number	20	569	2,127	4,052	223.6

**Target-Related Considerations**

For the forest pest control, the biological, mechanical and biotechnical control rate was 99.5%, and in the implementation process of the "Programme for Monitoring of Forest Ecosystems, the number of observation plots evaluated was 629 and the number of trees evaluated was 20,472.

The number of forest crimes in 2022 decreased by approximately 3.5% compared to the previous year. When this rate is evaluated according to the types of forest crimes, the crime of cutting down increased by 22%, the crime of transporting increased by 96%, the crime of possession increased by 9%, and the crime of consumption increased by 2%, and the crime of grazing decreased by 34%, the crime of deforestation-settlement decreased by 21%, and the crime of occupation-exploitation decreased by 10%.

**Target (T1.3):** The registration of forest areas with finalized cadastre will be ensured and ownership problems will be resolved

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS PROTECTION OF FORESTS AND FOREST RESOURCES

**Target of Sub-Programme related to Strategic** Protecting forests against biotic and abiotic pests and ensuring the sustainability of forest existence by monitoring the health of forest ecosystems

## Target (T1.3) Performance

**68.7**

## Responsible Unit

**Department of Cadastre and Ownership**

## Performance Indicators

Performance Indicators	Criterion	Impact on Target (%)	Plan Period	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
			Initial Value (A)			
PG1.3.1 Area of registered forests (cumulative)	Thousand hectares	25	20,000	24,000	22,300	57.5
PG1.3.2 Number of units for which 2/B work is performed (cumulative)	Number	75	17,415	25,415	23,212	72.5

## Target-Related Considerations

As of the end of 2022, the cadastre of 24,500,000 hectares of forest area was completed and 22,300,000 hectares of area was registered. The cadastre of our country's forests has been completed, and the registration activities with the 2/B application will be completed in 2024.

## STRATEGIC GOAL (G1): TO PROTECT FORESTS AND FOREST RESOURCES AGAINST BIOTIC AND ABIOTIC PESTS

**Name of Programme/Sub-Programme related to Strategic Goal** RURAL DEVELOPMENT/DEVELOPMENT AND SUPPORT OF FOREST VILLAGERS

**Target of Sub-Programme related to Strategic** Improving quality of life, increasing the diversity of income sources and providing employment

**Target (T1.4):** Socio-economic development in forest villages will be supported.

## Target (T1.4) Performance (%)

**100.0**

## Responsible Unit

**Department of Forest and Village Relations**

## Performance Indicators

Performance Indicators	Criterion	Impact on Target (%)	Plan Period	Year-End Target Value in Monitoring Period	Monitoring Period Realization	Performance (%) (C-A) / (B-A)
			Initial Value (A)			
PG1.4.1 Employment provided by economic supports (cumulative)	Person/year	30	72,472	81,974	82,414	104.6
PG1.4.2 Wood savings provided by social supports (cumulative)	Thousand Steres	30	3,379	3,475	3,515	141.7
PG1.4.3 Number of families supported	Thousand (pcs)	40	497.0	540.2	550.6	124.1

## Target-Related Considerations

Employment of a total of 138,774 persons/month was ensured in the last five years (2018-2022) in addition to the economic loans allocated to forest villagers.

In order to meet the demands for production mechanization of forest villagers actually working for the production of forest products, support of projects such as log handling cranes (drums), tractors and chain saws, etc. was continued, and the work programme prepared accordingly was put into practice. The change in the amount of resources and demands affects the targeted indicator values, and the loan and grant support provided to the forest villagers will be increased and the change in demands will be monitored.

**STRATEGIC GOAL (G2): TO DEVELOP FORESTS, INCREASE THEIR PRODUCTIVITY AND EXPAND THEIR AREAS**

**Target (T2.1):** Wood quality and seed and fruit productivity will be increased, and silvicultural maintenance measures for the establishment of healthy forests will be increased.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/DEVELOPMENT AND EXPANSION OF FORESTS

**Target of Sub-Programme related to Strategic Goal** Developing the existing forests and increasing the total forest existence and productive forest areas

**Target (T2.1) Performance (%)** **100.0**

**Responsible Unit** **Department of Silviculture**

Performance Indicators	Criterion	Impact on Target (%)	Plan Period	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
			Initial Value (A)			
PG2.1.1 Growing stock of trees per	M3	50	73.3	74.7	74.7	100.0
PG2.1.2 Total amount of increments in	Thousa	50	47,000	47,800	47,800	100.0

**Target-Related Considerations**

95.71% of the forest area is operated as groves and 4.29% as coppice, the total growing stock is approximately 1.73 billion m<sup>3</sup>, and the increment, which is an indicator of the wood raw material yield of the forests, is 47.8 million m<sup>3</sup>.

**STRATEGIC GOAL (G2): TO DEVELOP FORESTS, INCREASE THEIR PRODUCTIVITY AND EXPAND THEIR AREAS**

**Target (T2.2):** Productive Forest Area will be increased to 14,000,000 hectares.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/DEVELOPMENT AND EXPANSION OF FORESTS

**Target of Sub-Programme related to Strategic Goal** Developing the existing forests and increasing the total forest existence and productive forest areas

**Target (T2.2) Performance (%)** **94.9**

**Responsible Unit** **Department of Silviculture**

Performance Indicators	Criterion	Impact on Target (%)	Plan Period	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
			Initial Value (A)			
PG2.2.1 Productive forest area	Thousand	100	12,900	13,750	13,707	94.9

**Target-Related Considerations**

The area of forests with normal crown closure (productive) reached 58.97% of the total forest area with 13,707,843 hectares, and the area of forests with low crown closure (degraded) decreased to 41.03% with 9,537,157 hectares.

**STRATEGIC GOAL (G2): TO DEVELOP FORESTS, INCREASE THEIR PRODUCTIVITY AND EXPAND THEIR AREAS**

**Target (T2.3):** The implementation rate will be increased from 9% to 100% in a total potential area of 330,000 hectares determined to be suitable for industrial afforestation.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/DEVELOPMENT AND EXPANSION OF FORESTS

**Target of Sub-Programme related to Strategic** Developing the existing forests and increasing the total forest existence and productive forest areas

**Target (T2.3) Performance (%)**

**30.3**

**Responsible Unit**

**Department of Afforestation**

Performance Indicators	Crite rion	Impact on Target (%)	Plan Period Initial Value (A)	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%)
						(C-A) / (B-A)
PG2.3.1 Implementation rate for industrial afforestation	Perce	100	9.0	82.0	31.1	30.3

**Target-Related Considerations**

As a result of the study carried out in 13 regional directorates of forestry in 2013, an area of 164,922 hectares that can be subject to industrial afforestation was identified, this figure was increased to 330,000 hectares during the 2019-2023 strategic plan preparation process, and due to economic reasons, the study was concluded on a total area of 102,670 hectares.

**STRATEGIC GOAL (G2): TO DEVELOP FORESTS, INCREASE THEIR PRODUCTIVITY AND EXPAND THEIR AREAS**

**Target (T2.4):** Our forest presence will be increased to 30% of the total area of the country.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND DEVELOPMENT AND EXPANSION OF FORESTS

**Target of Sub-Programme related to Strategic** Developing the existing forests and increasing the total forest existence and productive forest areas

**Target (T2.4) Performance (%)**

**100.0**

**Responsible Unit**

**Department of Afforestation**

Performance Indicators	Crite rion	Impact on Target (%)	Plan Period Initial Value (A)	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%)
						(C-A) / (B-A)
PG2.4.1 Ratio of the forest assets to the total area of the country	Percent	100	29.0	29.8	29.8	100.0

**Target-Related Considerations**

According to the results of forest management inventory evaluation, the forest asset, which was 20,199,296 hectares in 1973, reached 23,245,000 hectares in 2022. The area of forests with normal crown closure constitutes 58.97% of the total forest area with 13,707,843 hectares, and the area of forests with low crown closure constitutes 41.03% with 9,537,157 hectares within this area.

## STRATEGIC GOAL (G2): TO DEVELOP FORESTS, INCREASE THEIR PRODUCTIVITY AND EXPAND THEIR AREAS

**Target (T2.5):** Erosion will be controlled and pasture improvement activities will be developed to reduce soil loss.

**Name of Programme/Sub-Programme related to Strategic Goal** USE AND MANAGEMENT OF SOIL AND WATER RESOURCES/ CONSERVATION, DEVELOPMENT AND EFFICIENT USE OF SOIL RESOURCES

**Target of Sub-Programme related to Strategic Goal** Controlling soil loss caused by erosion, landslides and similar reasons and increasing the improved pasture areas

**Target (T2.5) Performance (%)** **96.2**

**Responsible Unit Improvement**

**Department of Soil Conservation and Basin**

Performance Indicators	Criterion	Impact on Target (%)	Plan Period		Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
			Initial Value (A)	Year-End Target Value in Monitoring Period (B)		
PG2.5.1 Size of area with soil loss controlled (cumulative)	Thousand Hectares	90	1,534	1,652	1,647	95.8
PG2.5.2 Improved pasture area (cumulative)	Thousand Hectares	10	242	277	285	122.9

As of the end of 2022, soil conservation and erosion control works have been carried out in a total area of 1 million 647 thousand hectares and 285 thousand hectares of pasture area have been improved.

### Target-Related Considerations

Priority will be given to erosion and flood control projects in all basins, especially dam and pond basins, and the implementation of basin improvement, flood, avalanche and landslide projects and large-scale integrated and participatory basin improvement projects prepared against natural disasters in the upper basin areas will be continued.

## STRATEGIC GOAL (G3): TO ENSURE THAT THE SOCIETY BENEFITS FROM THE GOODS AND SERVICES PRODUCED BY FORESTS AT THE OPTIMUM LEVEL

**Target (T3.1):** In accordance with the multi-purpose utilization of 6,868,000 hectares of forest area, inventory will be prepared and the management plan will be renewed.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/ MANAGEMENT OF FORESTS

**Target of Sub-Programme related to Strategic Goal** Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products

**Target (T3.1) Performance (%)** **160.3**

**Responsible Unit**

**Department of Forest Management and Planning**

Performance Indicators	Criterion	Impact on Target (%)	Plan Period		Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
			Initial Value (A)	Year-End Target Value in Monitoring Period (B)		
PG3.1.1 Number of plans renewed using geographic	Num	100	415	843	1,101	160.3

Functional forest management plans of all forests were completed and the number of plans renewed using geographic information systems reached 1,101.

### Target-Related Considerations

As a result of the changes in the organizational structure of the institution, the number of plans renewed using geographic information systems has increased due to the divided forest sub-district directorates and the plans postponed in the past years.

### STRATEGIC GOAL (G3): TO ENSURE THAT THE SOCIETY BENEFITS FROM THE GOODS AND SERVICES PRODUCED BY FORESTS AT THE OPTIMUM LEVEL

**Target (T3.2):** Quality and productivity of wood-based forest products will be increased, costs will be reduced and sustainable competition will be ensured in domestic and foreign markets.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/ MANAGEMENT OF FORESTS

**Target of Sub-Programme related to Strategic Goal** Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products

#### Target (T3.2) Performance (%)

### 35.7

#### Responsible Unit

#### Department of Operations and Marketing

Performance Indicators	Criterion	Impact on Target (%)	Plan Period Initial Value (A)	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
PG3.2.1 Rate of productivity in industrial wood production	Percent	40	79.0	81.0	74.6	-220.0
Ratio of logs of Classes I and II to total log	Percent	30	11.0	12.3	16.8	446.2
PG3.2.3 Ratio of standing tree sales to total Standing Barked Stem Volume	Percent	30	33.0	51.0	36.4	18.9

Productivity in industrial wood production was 74.6% and the ratio of wood production of classes I and II to the total production was 16.8%. In addition, the share of standing tree sales in wood production was 36.4%.

#### Target-Related Considerations

In the maintenance interventions carried out in forest areas, the standing tree selling rate remained below the targeted level due to the restrictions on productivity in industrial wood production and the priorities and legal rights of cooperatives as a result of the fact that the thin diameter weight was high and the yield percentage decreased due to forest fires that occurred during the year.

### STRATEGIC GOAL (G3): TO ENSURE THAT THE SOCIETY BENEFITS FROM THE GOODS AND SERVICES PRODUCED BY FORESTS AT THE OPTIMUM LEVEL

**Target (T3.3):** Ecotourism services will be expanded, and non-wood forest product diversity and production will be increased.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/ MANAGEMENT OF FORESTS

**Target of Sub-Programme related to Strategic Goal** Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products

#### Target (T3.3) Performance (%)

### 100.0

#### Responsible Unit

#### Department of Non-Wood Products and Services

Performance Indicators	Criterion	Impact on Target (%)	Plan Period Initial Value (A)	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
PG3.3.1 Ecotourism Management Area (cumulative)	Number	40	5	25	74	345.0
PG3.3.2 Number of honey forests (cumulative)	Number	15	450	670	734	129.1
PG3.3.3 Laurel rehabilitation (cumulative)	Hectare	15	511	1,750	4,805	346.6
PG3.3.4 Truffle forests (cumulative)	Hectare	15	245	475	564	138.7
PG3.3.5 Amount of resin produced (cumulative)	Tonne	15	205	1,750	2,283	134.5

As a result of the inventory studies carried out on non-wood forest products, studies were carried out on an area of 2,010,000 hectares in 420 different species, and a total of 1,801 forest parks were established in order to put the health, sports, aesthetic, cultural and social functions of forests into service for the public. Also, the number of ecotourism management plans reached 74 and the number of honey forests reached 734 as completed in accordance with the "Communiqué No. 308 on Procedures and Principles for the Management of Ecotourism Areas".

#### Target-Related Considerations

**STRATEGIC GOAL (G3): TO ENSURE THAT THE SOCIETY BENEFITS FROM THE GOODS AND SERVICES PRODUCED BY FORESTS AT THE OPTIMUM LEVEL**

**Target (T3.4):** Considering national conditions and international developments, a standardization and certification system will be developed for forest products, and the area of certified forests will be increased.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/ MANAGEMENT OF FORESTS

**Target of Sub-Programme related to Strategic Goal** Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products

**Target (T3.4) Performance (%)**

**75.0**

**Responsible Unit**

**Department of Operations and Marketing**

Performance Indicators	Criterion	Impact on Target (%)	Plan Period	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
			Initial Value (A)			
PG3.4.1 Area of Certified Forests	Million Hectares	100	2.4	8.0	6.6	75.0

In the period between 2010 and 2020, forest management certification (FSC) was obtained for 6,577,142 hectares of forest area covering 82 forest district directorates in Muğla, Kastamonu, Zonguldak, Bolu, Bursa, Istanbul, Adana, Antalya, Mersin, Balıkesir, Çanakkale, Sinop and Konya Regional Directorates of Forestry.

**Target-Related Considerations**

The forest management certification was brought to the approval stage for the forest area of 1,529,275 hectares covering 15 forest district directorates affiliated to the Amasya Regional Directorate of Forestry, which was targeted to be completed by the end of 2022.

**STRATEGIC GOAL (G3): TO ENSURE THAT THE SOCIETY BENEFITS FROM THE GOODS AND SERVICES PRODUCED BY FORESTS AT THE OPTIMUM LEVEL**

**Target (T3.5):** Forestry infrastructure will be strengthened, and pilot applications will be carried out to improve road standards in forests whose main function is production.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/ MANAGEMENT OF FORESTS

**Target of Sub-Programme related to Strategic Goal** Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products

**Target (T3.5) Performance (%)**

**99.3**

**Responsible Unit**

**Department of Construction and Procurement**

Performance Indicators	Criterion	Impact on Target (%)	Plan Period	Monitoring Period	Realization Value (C)	Performance (%) (C-A) / (B-A)
			Initial Value (A)			
PG3.5.1 Amount of forest roads with standards developed with pilot application (cumulative)	Km	40	380	2,050	2,020	98.2
PG3.5.2 Number of pilot forest sub-district directorates (cumulative)	Number	30	8	42	42	100.0
PG3.5.3 Ratio of roads constructed by excavator to the total amount of roads	Percent	30	60	75	75	100.0

The amount of forest roads planned for the realization of all kinds of forestry activities was revised as 365,215 km, and 222,206 km of this was completed. .

**Target-Related Considerations**

Together with 78,463 km of village roads, highways and other roads (mining roads, plateau roads...) passing through the forest, the total length of roads that can be used in forestry services reached 300,669 km.

**STRATEGIC GOAL (G4): TO IMPROVE INSTITUTIONAL**

**Target (T4.1):** Research and development projects will be prepared and implemented to solve problems in the field of forestry, to develop new techniques and to ensure effective governance.

**Name of Programme/Sub-Programme related to Strategic Goal** CONSERVATION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE/DEVELOPMENT AND EXPANSION OF FORESTS

**Target of Sub-Programme related to Strategic Goal** Developing the existing forests and increasing the total forest existence and productive forest areas

**Target (T4.1) Performance (%)**

**100.0**

**Responsible Unit**

**Department of Foreign Relations Training and Research**

**Performance Indicators**

Performance Indicators	Criterion	Impact on Target (%)	Plan Period Initial Value (A)	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
PG4.1.1 Number of research projects completed (cumulative)	Number	60	179	284	302	117.1
PG4.1.2 Number of outsourced projects completed (cumulative)	Number	40	19	26	27	114.3

Between 2018 and 2022, 163 projects have been concluded on tree improvement, plantation forestry, protection and development of natural forests, non-wood forest products, combating erosion, pasture improvement, biodiversity, social forestry, etc. and the results have been presented to the implementation units.

**Target-Related Considerations**

In addition, in the strategic plan implementation period, a total of 8 outsourced projects were concluded, including the Mediterranean Integrated Forest Management Project, the Project for Adaptation of the Mediterranean Forests to Climate Change, the Çoruh River Basin Rehabilitation Project, the Murat River Basin Rehabilitation Project, the Project for Integration of Hydrological Functions, the Healthy Forests Project, the Green Future Project and the Project for Prevention of Fires in the Cross-Border Region with the European Methods.

**STRATEGIC GOAL (G4): TO IMPROVE INSTITUTIONAL CAPACITY**

**Target (T4.2):** In order to ensure institutionalization in strategic management, the financial, legal, administrative and human resources will be developed.

**Name of Programme/Sub-Programme related to Strategic Goal** MANAGEMENT AND SUPPORT/SENIOR MANAGEMENT AND ADMINISTRATIVE AND FINANCIAL SERVICES/INSPECTION, AUDIT AND CONSULTING SERVICES

**Target of Sub-Programme related to Strategic Goal** .....

**Target (T4.2) Performance (%)**

**73.7**

**Responsible Unit**

**Department of Strategy Development**

**Performance Indicators**

Performance Indicators	Criterion	Impact on Target (%)	Plan Period Initial Value (A)	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
PG4.2.1 Coverage ratio of own revenues to expenses	Percent	40	57,0	61,0	74,9	447,5
PG4.2.2 Rate of completion in standard position	Percent	10	48,0	65,0	56,0	47,1
PG4.2.3 Number of risk-based audits (cumulative)	Number	15	146	206	202	93,3
PG4.2.4 In-service training programme realization rate	Percent	20	66	100	64,0	-5,9
PG4.2.5 Amount of area per forest sub-district directorate	Hectare	15	15,874	15,250	10,826	809,0

The coverage ratio of own revenues to expenses was 74.9%, and the rate of completion in standard position was 56.0%. The amount of area per forest sub-district directorate was concluded as 10,826 hectares. Based on the permissions granted pursuant to Articles 16, 17 and 18 of the Forest Law No. 6831, the "Land Permit Fee for Forestry Activities" and "Afforestation and Erosion Control Revenues" increased above the planned level.

**Target-Related Considerations**

**STRATEGIC GOAL (G4): TO IMPROVE INSTITUTIONAL CAPACITY**

**Target (T4.3):** Information systems and technology infrastructure will be completed, and forest information system will be developed and expanded.

Name of Programme/Sub-Programme related to Strategic Goal MANAGEMENT AND SUPPORT/SENIOR MANAGEMENT AND ADMINISTRATIVE AND FINANCIAL SERVICES

Target of Sub-Programme related to Strategic Goal .....

**Target (T4.3) Performance (%) 100.0**

**Responsible Unit Department of Information Systems**

Performance Indicators	Criterion	Impact on Target (%)	Plan Period Initial Value (A)	Year-End Target Value in Monitoring Period (B)	Monitoring Period Realization Value (C)	Performance (%) (C-A) / (B-A)
PG4.3.1 Number of employees trained in information security (cumulative)	Pers	15	9,000	36,000	39,920	114.5
PG4.3.2 (cumulativ) Number of software developed and/or procured	Num	55	34	41	41	100.0
PG4.3.3 Number of Disaster Recovery Centers (cumulativ)	Num	30	0	1	1	100.0

**Target-Related Considerations**

Within the scope of the Forest Information System (ORBIS) Project, which was launched in 2011, a total of 41 modules were completed, the use of the modules by the units was expanded and web, desktop and mobile applications were developed. The determination, implementation and inspection of the procedures and principles related to information security, detection of violations and compliance and inspection activities required within the scope of the Personal Data Protection Law are carried out, and 9,100 employees were provided with training on information security during the year.

**NOTES**

Name of Programme/Sub-Programme related to Strategic Goal: Taken from the “List of Administrations Relating to Programmes and Sub-Programmes to be Used in the Budget Preparation Process” and “List of Administrations Responsible for Coordinating the Programmes and Administrations Executing the Programmes” in the annex “Approval of the Presidency No. 2 of 16.01.2020”.

Target Performance: It is equal to the sum of the values obtained by multiplying the performance value calculated for each performance indicator listed under the targets by the level of impact on the target

**The performance of an indicator may exceed 100%.** However, this value is taken as 100 when calculating the target performance.

**The performance of an indicator may have a negative value.** However, this value is taken as 0 when calculating the target performance.

If a single indicator is determined for the target, this value is taken as is when calculating the target performance.

**Plan Period Initial Value:** The initial value for the Strategic Plan (2019-2023) period of the General Directorate of Forestry represents the 2018 year-end value.

**Year-End Target Value in Monitoring Period:** It is the target value for 2022 determined by the Strategic Plan (2019-2023) of the General Directorate of Forestry.

**Monitoring Period Realization Value:** It is the value reached at the end of December 2022. This value is taken from the data recording systems and/or information systems and/or official records used by the unit(s) responsible for the targets.

**Performance (%):** It is the ratio of the difference between the monitoring period realization value and the plan period initial value to the difference between the year-end target value in the monitoring period and the plan period initial value.

PROGRAMME CLASSIFICATION	BUDGETARY			EXTRABUDGETARY			TOTAL		
	Initial Appropriation	Year-End Appropriation	Realization	Initial Appropriation	Year-End Appropriation	Realization	Initial Appropriation	Year-End Appropriation	Realization
<b>RURAL DEVELOPMENT</b>	<b>765,085,000</b>	<b>1,192,054,613</b>	<b>1,165,937,742</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>765,085,000</b>	<b>1,192,054,613</b>	<b>1,165,937,742</b>
<b>Development and support of forest villagers</b>	765,085,000	1,192,054,613	1,165,937,742	0	0	0	765,085,000	1,192,054,613	1,165,937,742
Support of forest villagers	765,085,000	1,192,054,613	1,165,937,742				765,085,000	1,192,054,613	1,165,937,742
<b>PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE</b>	<b>4,265,795,000</b>	<b>6,910,602,361</b>	<b>6,725,616,929</b>	<b>8,356,854,000</b>	<b>19,007,990,000</b>	<b>19,007,990,000</b>	<b>12,622,649,000</b>	<b>25,918,592,361</b>	<b>25,733,606,929</b>
<b>Protection of forests and forest resources</b>	3,094,430,000	5,063,542,231	4,983,197,067	3,104,872,000	9,439,071,000	9,439,071,000	6,199,302,000	14,502,613,231	14,422,268,067
Fighting forest fires	2,363,971,000	3,970,068,211	3,931,434,571	3,043,872,000	8,452,957,000	8,452,957,000	5,407,843,000	12,423,025,211	12,384,391,571
Protection of forests against unlawful interference and forest pest control	730,459,000	1,093,474,020	1,051,762,496	61,000,000	986,114,000	986,114,000	791,459,000	2,079,588,020	2,037,876,496
<b>Development and expansion of forests</b>	1,146,546,000	1,807,251,370	1,707,944,380	900,000,000	2,112,805,000	2,112,805,000	2,046,546,000	3,920,056,370	3,820,749,380
Afforestation, seedling and seed production	1,144,725,000	1,764,109,307	1,664,993,325	200,000,000	1,232,270,000	1,232,270,000	1,344,725,000	2,996,379,307	2,897,263,325
Forest maintenance, regeneration and rehabilitation	1,821,000	43,142,063	42,951,055	700,000,000	880,535,000	880,535,000	701,821,000	923,677,063	923,486,055
<b>Management of Forests</b>	1,948,000	3,126,925	3,067,662	30,000,000	31,648,000	31,648,000	31,948,000	34,774,925	34,715,662
Management activities	16,017,000	20,134,425	16,363,127	81,000,000	165,242,000	165,242,000	97,017,000	185,376,425	181,605,127
Evaluation and expansion of non-wood forest products and services	2,630,000	3,506,025	3,223,176	3,700,000,000	5,977,862,000	5,977,862,000	3,702,630,000	5,981,368,025	5,981,085,176
Wood production, standardization and certification	4,224,000	13,041,385	11,821,518	540,982,000	1,281,362,000	1,281,362,000	545,206,000	1,294,403,385	1,293,183,518
Services related to forest roads									
<b>USE AND MANAGEMENT OF SOIL AND WATER RESOURCES</b>	<b>737,105,000</b>	<b>989,010,910</b>	<b>945,261,913</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>737,105,000</b>	<b>989,010,910</b>	<b>945,261,913</b>
<b>Conservation, development and effective use of soil resources</b>	737,105,000	989,010,910	945,261,913	0	0	0	737,105,000	989,010,910	945,261,913
Combating desertification and erosion	452,967,000	667,247,355	608,009,763	4,043,146,000	7,792,010,000	7,545,694,913	4,496,113,000	8,459,257,355	8,153,704,676
<b>MANAGEMENT AND SUPPORT PROGRAMME</b>	<b>48,617,000</b>	<b>59,291,675</b>	<b>45,088,146</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48,617,000</b>	<b>59,291,675</b>	<b>45,088,146</b>
<b>Inspection, audit and consulting services</b>	1,847,000	2,638,875	2,443,900				1,847,000	2,638,875	2,443,900
Legal consulting and litigation services	1,705,000	3,972,305	3,918,146				1,705,000	3,972,305	3,918,146
Internal audit Corporate international cooperation activities	20,562,000	15,992,050	2,287,343				20,562,000	15,992,050	2,287,343
Senior management, administrative and financial services	24,503,000	36,688,445	36,438,757				24,503,000	36,688,445	36,438,757
<b>Activities related to information technology</b>	404,350,000	607,955,680	562,921,617	4,043,146,000	7,792,010,000	7,545,694,913	4,447,496,000	8,399,965,680	8,108,616,530
Activities related to information technology	55,246,000	134,647,930	130,723,652		12,766,000	12,766,000	55,246,000	147,413,930	143,489,652
Other support services	190,457,000	199,894,295	170,994,088	2,155,386,000	619,325,000	426,023,000	2,345,843,000	819,219,295	597,017,088
General support services	17,505,000	128,376,765	118,681,319	1,887,760,000	7,159,919,000	7,106,905,913	1,905,265,000	7,228,295,765	7,225,587,232
Activities related to human resources management	134,961,000	136,672,610	134,570,278				134,961,000	136,672,610	134,570,278
Private secretary services	1,420,000	2,387,565	2,053,054				1,420,000	2,387,565	2,053,054
Strategy development and financial services	4,761,000	5,976,515	5,899,227				4,761,000	5,976,515	5,899,227
<b>TOTAL OF SERVICE PROGRAMMES</b>	<b>5,767,985,000</b>	<b>9,091,667,884</b>	<b>8,836,816,585</b>	<b>8,356,854,000</b>	<b>19,007,990,000</b>	<b>19,007,990,000</b>	<b>14,124,839,000</b>	<b>28,099,657,884</b>	<b>27,844,806,585</b>
<b>GRAND TOTAL</b>	<b>6,220,952,000</b>	<b>9,758,915,239</b>	<b>9,444,826,348</b>	<b>12,400,000,000</b>	<b>26,800,000,000</b>	<b>26,553,684,913</b>	<b>18,620,952,000</b>	<b>36,558,915,239</b>	<b>35,998,511,261</b>

Annex 17: Table of Appropriations and Expenditures of the General Directorate of Forestry at Activity Level (TRY), 2022

**Annex 18: Consolidated Balance Sheet of Revolving Fund Enterprises of the General Directorate of Forestry, 2020-2022**

ASSETS	2020	2021	2022
<b>CURRENT ASSETS</b>			
<b>A LIQUID ASSETS</b>	<b>74,408,181.72</b>	<b>1,388,844,820.24</b>	<b>189,672,600.98</b>
1 Cash Account	28,686.08	11,201.50	8,735.07
2 Checks Received Account			
3 Banks Account	73,958,767.13	1,388,363,487.04	189,098,469.24
4 Checks Given and Sending Orders			
5 Other Liquid Assets Account	420,728.51	470,131.70	565,396.67
<b>B TRADE RECEIVABLES</b>	<b>3,549,333,954.49</b>	<b>6,690,674,284.92</b>	<b>13,727,521,736.71</b>
1 Buyers Account	2,416,032,805.09	4,668,324,742.30	9,965,585,955.46
2 From Bank Credit Cards	1,062,227,432.74	1,926,914,233.14	3,595,179,964.61
3 Deposits and Guarantees Given	12,720,345.42	29,191,560.56	72,980,548.59
4 Other Trade Receivables	29,061,907.28	34,804,009.38	54,938,549.84
5 Doubtful Trade Receivables	29,291,463.96	31,439,739.54	43,075,992.28
6 Doubtful Trade Receivables			-4,239,274.07
<b>C OTHER RECEIVABLES</b>	<b>386,067,868.14</b>	<b>139,036,370.95</b>	<b>283,435,487.88</b>
1 Business to Business Financial Liabilities			
2 Receivables from Personnel	3,350,261.06	3,638,022.83	257,816.35
3 Other Miscellaneous Receivables	380,374,186.15	133,083,258.20	280,910,354.24
4 Other Doubtful Receivables	2,343,420.93	2,315,089.92	2,267,317.29
5 Other Doubtful Receivables			
<b>D STOCKS</b>	<b>452,949,238.02</b>	<b>1,314,877,804.13</b>	<b>3,707,322,437.42</b>
1 Raw Materials and Supplies	26,125,680.01	44,729,391.77	87,782,917.45
2 Finished Goods	410,482,153.19	401,013,356.23	1,292,622,660.05
3 Other Stocks Account	36,950.43	36,950.43	36,950.43
4 Decrease in Value of Stocks			
5 Advances Given for Purchase Orders	16,304,454.39	869,098,105.70	2,326,879,909.49
<b>E CONSTRUCTION AND REPAIR COSTS OVER THE YEARS</b>			
1 Construction and Repair Costs over the Years			
2 Advances Given to Subcontractors			
<b>F EXPENSES AND REVENUES FOR THE FUTURE MONTHS</b>	<b>889,278.34</b>		
1 Expenses for the Future Months	889,278.34		
2 Income Accruals Account			
<b>G OTHER CURRENT ASSETS</b>	<b>29,239,165.55</b>	<b>35,743,149.83</b>	<b>189,467,197.49</b>
1 Deferred Value Added Tax	28,145,652.59	33,831,001.77	186,638,916.91
2 Deductible Value Added Tax			
3 Other Value Added Tax			208,687.12
4 Prepaid Taxes and Funds			
5 Work Advances Account			
6 Personnel Advances Account			
7 Count and Delivery Surplus	1,093,512.96	1,912,148.06	2,619,593.46
8 Other Miscellaneous Current Assets			
9 Other Current Assets			
<b>TOTAL CURRENT ASSETS</b>	<b>4,492,887,686.26</b>	<b>9,569,176,430.07</b>	<b>18,097,419,460.48</b>

ASSETS	2020	2021	2022
<b>FIXED ASSETS</b>			
<b>H TRADE RECEIVABLES</b>	<b>3,526,291.16</b>	<b>4,375,329.55</b>	<b>8,957,493.36</b>
1 Buyers Account	69,236.84	215,897.06	2,708,079.32
2 Deposits and Guarantees Given	3,457,054.32	4,159,432.49	6,249,414.04
3 Other Trade Receivables			
4 Doubtful Trade Receivables			
<b>i OTHER RECEIVABLES</b>	<b>4,692,376.18</b>	<b>5,735,455.80</b>	<b>11,424,167.07</b>
1 Business to Business Financial Liabilities			
2 Receivables from Personnel	523,423.54	927,135.87	709,044.35
3 Other Miscellaneous Receivables	4,168,952.64	4,808,309.93	10,715,122.72
4 Other Doubtful Receivables			
<b>J FINANCIAL FIXED ASSETS</b>			
1 Other Financial Fixed Assets			
2 Other Financial Fixed Assets			
<b>K TANGIBLE FIXED ASSETS (-)</b>	<b>1,745,485,642.02</b>	<b>1,745,964,115.06</b>	<b>2,618,169,372.47</b>
1 Lands and Parcels Account	896,202,314.67	903,414,340.85	951,162,052.75
2 Underground and Overground Structures	71,535,817.15	73,685,343.46	85,045,012.75
3 Buildings Account	687,001,209.22	706,209,962.01	713,348,419.64
4 Facilities, Machines and Devices	326,221,490.00	374,999,826.77	692,595,764.30
5 Vehicles Account	68,511,845.43	21,671,934.72	442,115,938.19
6 Fixtures Account	203,673,204.94	248,841,146.85	492,589,248.02
7 Other Tangible Fixed Assets			
8 Accumulated Depreciations	-549,438,136.74	-618,141,111.34	-843,591,032.56
9 Ongoing Investments	41,776,015.35	31,280,789.74	84,902,087.38
10 Advances Given Account	1,882.00	1,882.00	1,882.00
<b>L INTANGIBLE FIXED ASSETS</b>	<b>70,175.21</b>	<b>917,244.34</b>	<b>12,434,851.66</b>
1 Rights Account	11,798,297.31	2,567,443.03	14,962,578.03
2 Other Intangible Fixed Assets			
3 Accumulated Depreciations	-11,728,122.10	-1,650,198.69	-2,527,726.37
4 Advances Given Account			
<b>M SPECIAL ASSETS SUBJECT TO DEPLETION</b>			
1 Exploration Expenses Account			
2 Preparation and Development			
3 Accumulated Depletion			
4 Advances Given Account			
<b>EXPENSES FOR FUTURE YEARS AND INCOME ACCRUALS</b>	<b>26,288,376.04</b>	<b>32,759,800.67</b>	<b>75,257,008.62</b>
1 Expenses for the Future Years	26,288,376.04	32,759,800.67	75,257,008.62
2 Income Accruals Account			
<b>O OTHER FIXED ASSETS</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
1 Stocks Needed for the Future Years			
2 Stocks to Be Disposed			
3 Prepaid Taxes and Funds	66,938.79	121,803.23	179,725.89
4 Other Miscellaneous Fixed Assets			
5 Decrease in Value of Stocks			
6 Accumulated Depreciations	-66,938.79	-121,803.23	-179,725.89
<b>TOTAL FIXED ASSETS</b>	<b>1,780,062,860.61</b>	<b>1,785,751,935.42</b>	<b>2,726,242,893.18</b>
<b>TOTAL ASSETS</b>	<b>6,272,950,546.87</b>	<b>11,354,928,365.49</b>	<b>20,823,662,353.66</b>

LIABILITIES	2020	2021	2022
<b>SHORT-TERM LIABILITIES</b>			
<b>A FINANCIAL PAYABLES</b>			
1 Business to Business Financial Liabilities			
<b>B TRADE PAYABLES</b>	<b>564,510,652.24</b>	<b>438,893,352.60</b>	<b>1,928,087,020.05</b>
1 Sellers Account	134,227.09	121,205.74	102,524.66
2 Deposits and Guarantees Received	154,615,413.26	255,489,429.09	478,946,624.21
3 Other Trade Payables Account	409,761,011.89	183,282,717.77	1,449,037,871.18
<b>C OTHER PAYABLES</b>	<b>1,502,825,615.34</b>	<b>2,661,875,542.44</b>	<b>6,073,647,251.53</b>
1 Payables to Personnel Account	9,613,359.20	15,510,671.18	57,062,211.45
2 Other Miscellaneous Payables Account	1,493,212,256.14	2,646,364,871.26	6,016,585,040.08
<b>D ADVANCES RECEIVED</b>	<b>46,942,973.26</b>	<b>74,200,176.17</b>	<b>119,426,700.15</b>
1 Advances Received for Purchase Orders	42,393,385.76	69,853,356.62	112,913,012.67
2 Other Advances Received Account	4,549,587.50	4,346,819.55	6,513,687.48
<b>E CONSTRUCTION AND REPAIR REVENUES OVER THE YEARS</b>			
1 Construction and Repair Revenues over the Years			
2 Construction and Repair Revenues over the Years			
<b>F OTHER LIABILITIES TO BE PAID</b>	<b>439,395,977.20</b>	<b>584,000,286.13</b>	<b>1,347,724,413.67</b>
1 Taxes and Funds Payable	184,497,588.81	411,145,809.78	659,156,419.54
2 Social Security Premiums Payable	16,095,778.21	23,152,484.08	65,232,583.06
3 Revolving Fund Payable	92,270,846.27	143,591,148.91	603,157,793.55
4 Revolving Fund Contribution Payable			
5 Overdue, Deferred or Restructured Taxes and Other Fiscal Liabilities			6,175.22
6 Other Liabilities to Be Paid	146,531,763.91	6,110,843.36	20,171,442.30
<b>G PROVISIONS FOR LIABILITIES AND EXPENSES</b>	<b>-236,166,274.14</b>	<b>-932,734,720.62</b>	<b>-2,082,313,260.77</b>
1 Provision for Period Profit, Taxes and Other Fiscal Liabilities	-236,642,428.70	-933,227,272.94	-2,082,789,415.33
2 Prepaid Taxes and Other Liabilities on Period Profit	476,154.56	492,552.32	476,154.56
3 Provision for Severance Payment			
4 Provision for Cost Expenses			
5 Provision for Other Debts and Expenses	58,742,240.68	15,916,561.34	14,135,911.32
<b>H REVENUES AND EXPENSES FOR THE FUTURE MONTHS</b>	58,742,240.68	15,916,561.34	14,135,911.32
1 Revenues for the Future Months	44,900.00	44,900.07	-17,837,193.31
2 Expense Accruals Account			
<b>I OTHER SHORT-TERM LIABILITIES</b>			
1 Calculated Value Added Tax			-17,853,392.61
2 Other Value Added Tax	44,900.00	44,900.07	16,199.30
3 Current Account for Head Office and Branch Offices			
4 Count and Delivery Surplus	2,376,296,084.58	2,842,196,098.13	7,382,870,842.64
5 Other Miscellaneous Short-Term Liabilities			
<b>TOTAL SHORT-TERM LIABILITIES LONG-TERM LIABILITIES</b>			
<b>J FINANCIAL PAYABLES</b>	<b>23,349,988.48</b>	<b>30,023,323.52</b>	<b>43,188,014.44</b>
1 Business to Business Financial Liabilities			
<b>K TRADE PAYABLES</b>	23,286,385.08	29,862,288.02	43,107,524.40
1 Sellers Account	63,603.40	161,035.50	80,490.04
2 Deposits and Guarantees Received	3,168,845.81	3,598,364.60	4,388,435.10
3 Other Trade Payables Account	3,168,845.81	3,598,364.60	4,388,435.10
<b>L OTHER PAYABLES</b>			
1 Other Miscellaneous Payables Account			
2 Delayed or Deferred Public Debts to Pay by Installments			
<b>M ADVANCES RECEIVED</b>			
1 Advances Received for Purchase Orders	395,119,461.35	500,492,839.14	955,514,330.45
2 Other Advances Received Account	395,119,461.35	500,492,839.14	955,514,330.45
<b>N PROVISIONS FOR LIABILITIES AND EXPENSES</b>	<b>350,155,812.32</b>	<b>1,278,661,614.27</b>	<b>1,832,232,468.16</b>
1 Provision for Severance Payment	350,155,812.32	1,278,661,614.27	1,832,232,468.16
<b>O REVENUES FOR FUTURE YEARS AND EXPENSE ACCRUALS</b>			
1 Revenues for the Future Years	771,794,107.96	1,812,776,141.53	2,835,323,248.15
2 Expense Accruals Account			

<b>LIABILITIES</b>		<b>2020</b>	<b>2021</b>	<b>2022</b>
<b>LIABILITIES</b>				
<b>P</b>	<b>PAID UP CAPITAL</b>	<b>1,000,000,000.00</b>	<b>1,000,000,000.00</b>	<b>1,000,000,000.00</b>
1	Capital Account	1,000,000,000.00	1,000,000,000.00	1,000,000,000.00
2	Unpaid Up Capital Account (-)			
<b>Q</b>	<b>CAPITAL RESERVES</b>	<b>754,840,706.34</b>		
1	Tangible Fixed Assets	754,840,706.34		
2	Value Increases Account			
<b>R</b>	<b>RESERVES</b>	<b>343,553,861.14</b>	<b>342,109,211.72</b>	<b>341,414,772.67</b>
1	Special Funds Account	343,553,861.14	342,109,211.72	341,414,772.67
<b>S</b>	<b>ACCUMULATED PROFITS</b>			
1	Accumulated Profits Account			
<b>T</b>	<b>ACCUMULATED LOSSES</b>			
1	Accumulated Losses Account			
<b>U</b>	<b>NET PROFIT/LOSS FOR THE PERIOD</b>	<b>1,026,465,786.85</b>	<b>5,357,846,914.11</b>	<b>9,264,053,490.20</b>
1	Net Profit for the Period	1,026,465,786.85	5,357,846,914.11	9,264,053,490.20
2	Net Loss for the Period (-)			
<b>TOTAL EQUITIES</b>		<b>3,124,860,354.33</b>	<b>6,699,956,125.83</b>	<b>10,605,468,262.87</b>
<b>TOTAL LIABILITIES</b>		<b>6,272,950,546.87</b>	<b>11,354,928,365.49</b>	<b>20,823,662,353.66</b>

**Annex 19: Income Statement of Revolving Fund Enterprises of the General Directorate of Forestry, 2020-2022**

	2020		2021		2022	
	Amount	Total	Amount	Total	Amount	Total
<b>A-GROSS SALES</b>		<b>7,005,819,167.30</b>		<b>13,480,486,239.73</b>		<b>29,493,783,608.13</b>
1 Domestic Sales Account	<b>7,002,532,087.26</b>		13,473,620,936.38		29,464,091,056.85	
2 Foreign Sales Account	3,287,080.04		6,865,303.35		29,692,551.28	
3 Other Revenues		<b>7,413,357.78</b>		<b>103,761,450.55</b>		<b>34,714,381.38</b>
<b>B-SALES DISCOUNTS</b>	<b>6,455,852.18</b>		101,720,627.59		30,109,588.75	
1 Sales Returns Account (-)	<b>957,505.60</b>		2,040,822.96		4,604,792.63	
2 Sales Discounts Account (-)		<b>6,998,405,809.52</b>		<b>13,376,724,789.18</b>		<b>29,459,069,226.75</b>
3 Other Discounts (-)	<b>2,263,958,638.41</b>			<b>2,864,193,038.02</b>		<b>5,122,650,846.24</b>
<b>C-NET SALES</b>	<b>2,263,958,638.41</b>		2,864,193,038.02		5,122,650,846.24	
<b>D-COST OF SALES</b>		<b>4,734,447,171.11</b>		<b>10,512,531,751.16</b>		<b>24,336,418,380.51</b>
1 Cost of Goods Sold (-)						
2 Cost of Commercial Goods Sold (-)						
3 Cost of Services Sold						
4 Cost of Other Sales (-)						
<b>GROSS SALES PROFITS AND LOSSES</b>		<b>3,934,167,246.71</b>		<b>5,781,377,131.82</b>		<b>16,296,609,060.84</b>
<b>E-OPERATING EXPENSES</b>		<b>866,365,465.82</b>	1,232,362,966.98		3,194,233,452.63	
1 Research and Development Expenses (-)						
2 Service Production Cost Expenses (-)	5,191,273.43		6,184,104.12		25,476,798.97	
3 Marketing, Sales and Distribution Expenses (-)	3,062,610,507.46		4,542,830,060.72		13,076,898,809.24	
4 General Administrative Expenses (-)		<b>800,279,924.40</b>		<b>4,731,154,619.34</b>		<b>8,039,809,319.67</b>
<b>OPERATING PROFITS AND LOSSES</b>		<b>194,481,524.33</b>		<b>562,195,435.47</b>		<b>1,252,942,529.12</b>
<b>F-REVENUES AND PROFITS FROM OTHER ORDINARY OPERATIONS</b>						
1 Dividend Income from Affiliates	185,146,815.59		549,597,918.22		1,228,957,187.50	
2 Dividend Income from Subsidiaries						
3 Interest Income						
4 Commission Revenues						
5 Provisions No Longer Required						
6 Inflation Adjustment Profits Account						
7 Profits on Sale of Securities						
8 Foreign Exchange Gains	9,334,708.74		12,597,517.25		23,985,341.62	
9 Rediscounted Interest Income		<b>3,476,773.61</b>		<b>12,383,084.69</b>		<b>9,437,532.77</b>
10 Other Ordinary Revenues and Profits						
<b>G-EXPENSES AND LOSSES FROM OTHER ORDINARY OPERATIONS</b>						
1 Commission Expenses						
2 Provision Expenses						
3 Inflation Adjustment Losses Account						
4 Losses on Sale of Securities (-)						
5 Foreign Exchange Losses (-)	3,476,773.61		12,383,084.69		9,437,532.77	
6 Rediscounted						

	2020		2021		2022	
	Amount	Total	Amount	Total	Amount	Total
<b>I- EXTRAORDINARY REVENUES AND PROFITS</b>		<b>45,670,603.77</b>		<b>96,284,755.98</b>		<b>231,073,170.95</b>
1 Revenues and Profits of the Previous Period	45,670,603.77		96,284,755.98		231,073,170.95	
2 Other Extraordinary Revenues and Profits		<b>10,489,492.04</b>		<b>19,404,811.99</b>		<b>250,333,996.77</b>
<b>J- EXTRAORDINARY EXPENSES AND LOSSES</b>						
1 Idle Capacity Expenses and Losses (-)	8,846,157.26		5,672,572.61		136,968,941.27	
2 Expenses and Losses of the Previous Period (-)	1,643,334.78		13,732,239.38		113,365,055.50	
		<b>1,026,465,786.85</b>		<b>5,357,846,914.11</b>		<b>9,264,053,490.20</b>

