

## Protected and Natura 2000 forest areas (hectares)

Type	Protection	Total	Other subcompartments	Forest subcompartments total	Natural forest	Close-to-nature forest	Semi-natural forest	Non-natural forest	Plantation-like stand	Plantation
Protected	Protected	385 051	25 342	359 709	123	127 935	159 105	22 425	41 409	8 712
	Strictly protected	74 671	6 097	68 574	192	22 835	34 036	4 218	6 416	876
	<b>Total</b>	<b>459 722</b>	<b>31 439</b>	<b>428 282</b>	<b>316</b>	<b>150 770</b>	<b>193 141</b>	<b>26 643</b>	<b>47 825</b>	<b>9 589</b>
Natura 2000	Not protected	417 137	31 794	385 343	6	111 550	167 567	24 274	67 829	14 117
	Protected	344 095	22 240	321 855	99	119 474	144 956	19 278	29 989	8 060
	Strictly protected	72 205	5 926	66 279	192	22 133	33 262	4 073	5 749	869
	<b>Total</b>	<b>833 437</b>	<b>59 960</b>	<b>773 477</b>	<b>296</b>	<b>253 156</b>	<b>345 786</b>	<b>47 625</b>	<b>103 568</b>	<b>23 047</b>

## Naturalness categories of forest subcompartments (hectares)

## Silvicultural systems by ownership categories (hectares)

Silvicultural system	State-owned	Community-owned	Private	Mixed ownership	Total
Rotation	910 106	17 334	807 026	33 771	1 768 237
Selection	28 800	13	3 771	359	32 942
Non-productive	85 718	1 205	4 530	588	92 042
Transition	49 270	388	16 075	322	66 054
<b>Total</b>	<b>1 073 894</b>	<b>18 940</b>	<b>831 402</b>	<b>35 040</b>	<b>1 959 275</b>

## Obstructive species

Species	Area (ha)	Species area proportion (%)*	Proportion of forest subcompartments where the species occurs (%)**
Green ash	6 781	0.36	5
Common hackberry	5 463	0.29	6
Boxelder maple	4 815	0.26	5
Black cherry	2 286	0.12	4
Tree of heaven	2 201	0.12	7
Russian olive	1 397	0.07	2
<b>Total</b>	<b>22 945</b>	<b>1.22</b>	<b>20</b>

\* Relative to total area covered by forest tree stands.  
 \*\* Relative to total area of forest subcompartments. The summing row shows the area ratio of those forest subcompartments in which at least one of the species occurs.

## Area covered by tree species

Species	Area (ha)
Oaks	613 022
<i>Pedunculate oak</i>	180 165
<i>Sessile oak</i>	175 222
<i>Turkey oak</i>	218 518
<i>Pubescent oak and oak of Virgil</i>	18 590
<i>Red oak</i>	20 225
<i>Other oaks</i>	302
Beech	113 823
Hornbeam	98 522
Black locust	458 296
Maples	31 967
<i>Sycamore maple</i>	5 806
<i>Norway maple</i>	2 686
<i>Field and Tatarian maples</i>	18 168
<i>Non-native maples</i>	5 306
Ashes	63 491
<i>Common and Hungarian ashes</i>	39 686
<i>Manna ash</i>	17 023
<i>Green ash</i>	6 781
Other hard broadleaved	31 981
<i>Native elms</i>	3 655
<i>Native wild fruit trees</i>	3 086
<i>Non-native other hard broadleaved</i>	25 240
Native poplars	98 855
Native willows	15 197
Alders	47 202
Limes	23 946
Hybrid poplars and hybrid willows	100 291
Other soft broadleaved	6 889
<i>Birches</i>	4 549
<i>Non-native other soft broadleaved</i>	2 340
Conifers	173 158
<i>Scots pine</i>	102 751
<i>Black pine</i>	56 433
<i>Other conifers</i>	13 974
<b>Total</b>	<b>1 876 640</b>

## Net felling volume (sample-based data, net m³)

Wood product	Noble oak	Turkey oak	Beech	Hornbeam	Black locust	Other hard broadleaved	Hybrid poplar	Native poplar	Willow	Other soft broadleaved	Conifer	Total
Veneer logs	2 257	277	7 854	112	1 224	36	175 064	708	724	720	659	189 635
Sawlogs	136 082	9 647	106 964	2 424	40 957	27 476	366 520	53 403	856	21 458	135 120	900 909
Other products for saw industry	32 171	932	9 906	228	104 370	5 232	158 600	33 168	415	17 109	63 450	425 581
Wood for mining purposes	89	2 664	-	1 236	3 792	36	77	179	56	145	793	9 068
Wood for paper	2 747	5 330	5 835	2 000	1 968	756	75 885	56 386	431	9 389	179 186	339 913
Pulpwood	13 774	14 046	43 776	8 025	609	15 332	92 159	37 598	17 445	25 355	324 501	592 620
Other industrial roundwood	5 956	1 612	2 609	144	115 263	1 082	91 084	1 017	56	927	20 257	240 007
Wood chips for industrial purposes	11 121	3 628	243	702	11 727	2 161	26 975	279	867	319	2 854	60 875
<b>Industrial total</b>	<b>204 199</b>	<b>38 136</b>	<b>177 187</b>	<b>14 871</b>	<b>279 910</b>	<b>52 111</b>	<b>986 363</b>	<b>182 738</b>	<b>20 851</b>	<b>75 421</b>	<b>726 821</b>	<b>2 758 609</b>
Wood chips for energy purposes	19 197	20 088	14 623	11 647	164 586	52 474	81 832	3 242	7 732	19 763	89 689	484 873
Thick firewood	538 694	618 382	298 865	148 804	831 381	279 869	65 488	51 505	4 445	108 214	135 837	3 081 483
Fine firewood	42 357	28 291	12 506	9 636	146 228	43 000	12 942	13 989	1 201	13 875	13 855	337 881
<b>Wood fuel total</b>	<b>600 249</b>	<b>666 761</b>	<b>325 994</b>	<b>170 086</b>	<b>1 142 194</b>	<b>375 344</b>	<b>160 262</b>	<b>68 736</b>	<b>13 379</b>	<b>141 851</b>	<b>239 380</b>	<b>3 904 236</b>
<b>Net volume above stump</b>	<b>804 447</b>	<b>704 897</b>	<b>503 181</b>	<b>184 958</b>	<b>1 422 105</b>	<b>427 454</b>	<b>1 146 626</b>	<b>251 475</b>	<b>34 230</b>	<b>217 272</b>	<b>966 202</b>	<b>6 662 845</b>
Stump	117	278	19	116	1 264	485	1 083	242	56	150	5 325	9 133



# SUMMARY STATISTICS OF THE HUNGARIAN FORESTS

# 2023



Published by  
 Ministry of Agriculture  
 Budapest, 2024

Photo: Csaba Szolnyik

The published data are taken from the National Forestry Database and the National Statistical Data Collection Program. They do not include data on freely manageable forests (i.e., forests without forest management plans).

## Forest area by counties

County/Region	Total (ha)	OWNERSHIP						Forest ratio calculated from area of forest subcompartments (%)	Forest ratio calculated from total forest area (%)
		subcompartments (ha)	Covered by trees (ha)	State (ha)	Community (ha)	Private (ha)	Mixed (ha)		
Budapest capital	5 549	5 136	5 093	4 037	1 009	407	96	9.8	10.6
Pest County	174 077	164 732	158 500	105 132	2 592	62 988	3 365	25.8	27.2
<b>Central Hungary</b>	<b>179 626</b>	<b>169 867</b>	<b>163 593</b>	<b>109 170</b>	<b>3 600</b>	<b>63 396</b>	<b>3 460</b>	<b>24.6</b>	<b>26.0</b>
Fejér County	59 066	53 020	51 574	44 481	1 190	12 728	667	12.2	13.6
Komárom-Esztergom County	65 699	61 800	59 866	53 046	925	10 800	928	27.3	29.0
Veszprém County	154 649	135 679	131 538	100 573	734	51 326	2 017	30.4	34.7
<b>Central Transdanubia</b>	<b>279 414</b>	<b>250 499</b>	<b>242 979</b>	<b>198 100</b>	<b>2 849</b>	<b>74 853</b>	<b>3 612</b>	<b>22.6</b>	<b>25.2</b>
Győr-Moson-Sopron County	87 343	80 046	78 206	62 130	600	24 410	203	19.0	20.8
Vas County	98 782	94 253	91 780	51 648	358	46 539	237	28.3	29.6
Zala County	126 060	119 615	114 504	66 659	761	50 833	7 808	31.6	33.3
<b>Western Transdanubia</b>	<b>312 186</b>	<b>293 914</b>	<b>284 489</b>	<b>180 437</b>	<b>1 719</b>	<b>121 781</b>	<b>8 249</b>	<b>25.9</b>	<b>27.6</b>
Baranya County	118 603	113 354	108 780	64 292	1 609	50 269	2 433	25.6	26.8
Somogy County	193 896	182 171	176 055	110 430	594	77 135	5 737	30.0	32.0
Tolna County	70 582	65 919	63 413	41 839	357	27 855	531	17.8	19.1
<b>Southern Transdanubia</b>	<b>383 081</b>	<b>361 444</b>	<b>348 248</b>	<b>216 560</b>	<b>2 560</b>	<b>155 259</b>	<b>8 701</b>	<b>25.5</b>	<b>27.0</b>
Borsod-Abaúj-Zemplén County	221 960	214 535	207 712	131 494	2 299	86 687	1 480	29.6	30.6
Heves County	92 357	89 402	85 249	54 990	393	36 638	337	24.6	25.4
Nógrád County	103 760	100 500	96 227	57 668	703	45 035	354	39.5	40.8
<b>Northern Hungary</b>	<b>418 077</b>	<b>404 436</b>	<b>389 188</b>	<b>244 152</b>	<b>3 394</b>	<b>168 360</b>	<b>2 171</b>	<b>30.1</b>	<b>31.1</b>
Hajdú-Bihar County	75 105	71 733	68 011	33 595	454	40 010	1 047	11.6	12.1
Jász-Nagykun-Szolnok County	35 645	33 372	31 097	16 656	962	17 407	620	6.0	6.4
Szabolcs-Szatmár-Bereg County	135 266	131 764	122 216	34 927	1 663	96 674	2 003	22.2	22.8
<b>Northern Great Plain</b>	<b>246 016</b>	<b>236 870</b>	<b>221 323</b>	<b>85 178</b>	<b>3 079</b>	<b>154 090</b>	<b>3 669</b>	<b>13.4</b>	<b>13.9</b>
Bács-Kiskun County	186 849	176 992	165 676	88 552	1 340	90 941	6 016	21.0	22.1
Békés County	28 165	26 268	24 269	17 516	941	8 820	888	4.7	5.0
Csongrád-Csanád County	40 912	38 986	36 874	19 555	617	20 576	164	9.1	9.6
<b>Southern Great Plain</b>	<b>255 925</b>	<b>242 246</b>	<b>226 819</b>	<b>125 623</b>	<b>2 898</b>	<b>120 336</b>	<b>7 068</b>	<b>13.2</b>	<b>14.0</b>
<b>Total</b>	<b>2 074 325</b>	<b>1 959 275</b>	<b>1 876 640</b>	<b>1 159 220</b>	<b>20 099</b>	<b>858 076</b>	<b>36 930</b>	<b>21.1</b>	<b>22.3</b>

Due to rounding, the sums of some values may differ from the totals shown in the summing row or column.

## Successfully started and finished regenerations by tree stand types (hectares)

Stand type	SUCCESSFULLY STARTED					SUCCESSFULLY FINISHED				
	Seed	Sprout	Total natural	Artificial	Total	Seed	Sprout	Total natural	Artificial	Total
Beech	1 105	0	1 106	49	1 155	1 026	-	1 026	56	1 082
Hornbeam-oak	572	-	572	543	1 116	340	-	340	761	1 101
Noble oak	320	-	320	894	1 214	257	-	257	1 202	1 459
Turkey oak	1 156	-	1 156	285	1 441	1 008	-	1 008	499	1 508
Pubescent oak	2	-	2	13	15	-	-	-	-	-
Black locust	-	7 116	7 116	1 557	8 674	2	7 903	7 905	1 563	9 468
Other native hard broadleaved	168	-	168	116	285	293	2	295	272	568
Non-native hard broadleaved	59	-	59	116	175	30	-	30	110	139
Hybrid poplar and hybrid willow	-	72	72	1 812	1 884	-	14	14	2 089	2 103
Native poplar	-	1 020	1 020	1 623	2 643	2	955	957	1 209	2 166
Water-tolerant other soft broadleaved	3	58	61	180	241	1	80	81	160	241
Other native soft broadleaved	39	-	39	21	60	11	0	11	42	53
Scots pine	35	-	35	101	136	65	-	65	155	220
Black pine	-	-	-	467	467	-	-	-	463	463
Other conifer	2	-	2	-	2	-	-	-	12	12
<b>Total</b>	<b>3 462</b>	<b>8 266</b>	<b>11 728</b>	<b>7 779</b>	<b>19 507</b>	<b>3 034</b>	<b>8 956</b>	<b>11 990</b>	<b>8 593</b>	<b>20 582</b>

The starting area is estimated from the area of the annual regeneration obligation in the case of shelterwood cutting and selective cutting.

## Area and growing stock by species groups

Species group	Area (ha)	Growing stock (m³)
Pedunculate oak	180 199	40 109 239
Sessile oak	175 222	48 458 656
Other noble oak	39 082	8 108 972
Turkey oak	218 518	52 135 529
Beech	113 823	42 203 232
Hornbeam	98 522	18 714 560
Black locust	458 296	57 155 638
Maple	31 967	5 876 217
Elm	5 509	969 953
Ash	63 491	14 249 199
Other hard broadleaved	26 472	5 238 844
Hybrid poplar	97 910	17 489 111
Native poplar	98 965	21 985 626
Willow	17 469	5 017 740
Alder	47 202	11 387 437
Lime	23 946	7 813 202
Other soft broadleaved	6 889	1 663 398
Scots pine	102 751	35 789 079
Black pine	56 440	12 314 903
Spruce	8 820	3 856 620
Larch	3 043	1 531 751
Other conifers	2 105	457 314
<b>Total</b>	<b>1 876 640</b>	<b>412 526 221</b>

## Primary and combined functions of forest subcompartments (hectares)

Function	Primary	Combined
<b>Economic, of which</b>	<b>1 159 027</b>	<b>1 276 337</b>
Wood production	1 125 859	1 248 528
Game farm	21 737	30 517
Other	11 431	12 856
<b>Protective, of which</b>	<b>780 604</b>	<b>990 837</b>
Soil protective	181 505	314 590
Protected forest	423 372	428 275
Natura 2000	79 760	771 413
Military	68 253	73 581
Shore or embankment protective	12 838	22 696
Other	14 875	24 120
<b>Public welfare</b>	<b>19 644</b>	<b>37 200</b>

## Successfully started and finished afforestations by tree stand types (hectares)

Stand type	Started	Finished
Beech	-	1
Hornbeam-oak	70	91
Noble oak	2 080	445
Turkey oak	760	55
Pubescent oak	-	-
Black locust	1 039	541
Other native hard broadleaved	65	44
Non-native hard broadleaved	508	26
Hybrid poplar and hybrid willow	182	180
Native poplar	316	266
Water-tolerant other soft broadleaved	8	13
Other native soft broadleaved	-	1
Scots pine	0	2
Black pine	14	3
Other conifer	-	-
<b>Total</b>	<b>5 043</b>	<b>1 668</b>

## Felling volume and annual increment by species groups (gross m³)

Species group	Felling volume	Annual increment
Noble oak	1 016 351	2 751 251
Turkey oak	851 101	1 134 400
Beech	615 542	871 930
Hornbeam	250 051	350 446
Black locust	1 640 360	3 172 318
Other hard broadleaved	438 560	1 006 313
Hybrid poplar	1 250 962	824 616
Native poplar	336 449	1 006 844
Willow	39 900	112 141
Other soft broadleaved	249 847	583 926
Conifer	1 097 133	1 119 290
<b>Total</b>	<b>7 786 256</b>	<b>12 933 475</b>

## Naturalness of forest subcompartments

Ownership	Naturalness category	Area (ha)
State	Natural forest	340
	Close-to-nature forest	314 140
	Semi-natural forest	417 840
	Non-natural forest	73 159
	Plantation-like stand	234 767
	Plantation	33 649
<b>Total</b>	<b>1 073 894</b>	
Community	Close-to-nature forest	1 569
	Semi-natural forest	5 510
	Non-natural forest	2 276
	Plantation-like stand	8 281
	Plantation	1 303
<b>Total</b>	<b>18 940</b>	
Private	Natural forest	15
	Close-to-nature forest	96 393
	Semi-natural forest	203 001
	Non-natural forest	62 515
	Plantation-like stand	400 199
	Plantation	69 279
<b>Total</b>	<b>831 402</b>	
Mixed	Close-to-nature forest	5 297
	Semi-natural forest	10 657
	Non-natural forest	2 965
	Plantation-like stand	14 804
	Plantation	1 317
<b>Total</b>	<b>35 040</b>	
<b>Total</b>	<b>Total</b>	<b>1 959 275</b>