

Timber Harvest in Wisconsin



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Wisconsin produces 3.3 million cords of pulpwood annually, most of which is aspen and maple (hard and soft). The state also produces about 550,000 cords of residential fuelwood annually, almost half of which is red oak.

On public lands, 1.3% of county forests, 1.1% of state forests and only 0.6% of national forest timber volumes are harvested each year. Annual volume cut on federal lands has decreased 34% since 1997. Value per acre, however, is highest on federal lands.

Wisconsin produces a total of 380 million cft of [roundwood](#). Of this, over 50% is pulpwood. and 25% is sawlogs.

- [How much pulpwood do we produce](#)
Pulpwood production by species and region of the state
- [How much fuelwood do we produce](#)
Fuelwood production by species and region of the state
- [How much wood do we produce on state and county lands](#)
Number of sales, acreage, pulpwood and sawtimber volume and value
- [How much wood do we produce on national forest lands](#)
Volume of roundwood by product: 1997, 2002, and 2007
- [What kind of forest products do we harvest?](#)
Roundwood production by species group and product: 1997, 2002, and 2007

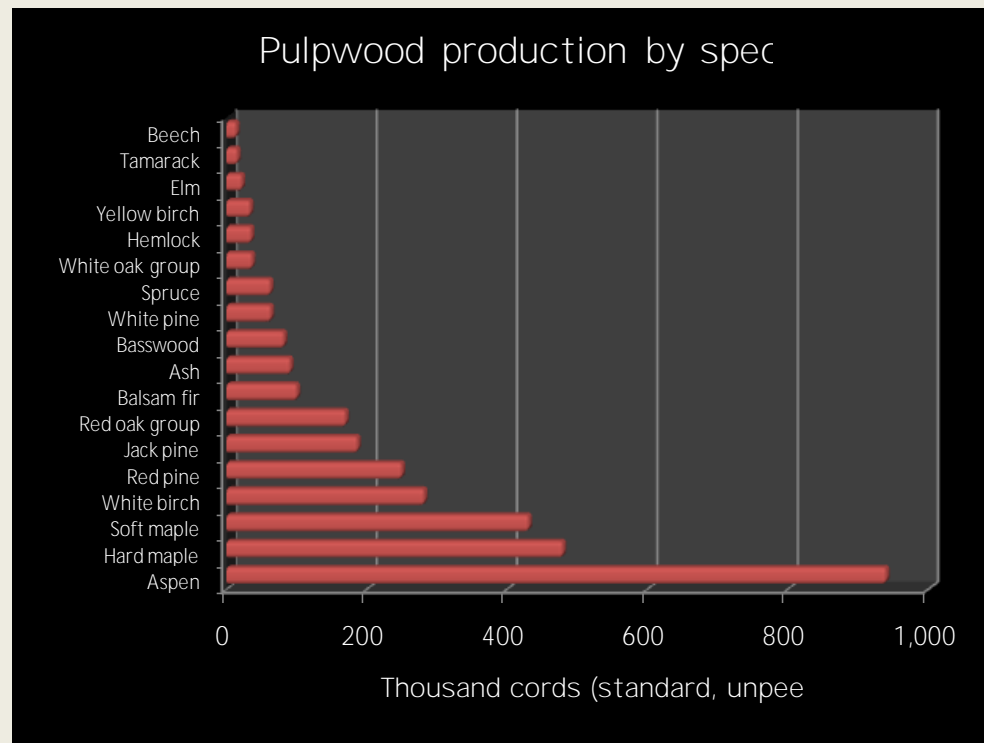


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 Pulpwood production by species and region of the state

Pulpwood production by species and region of the state (2005 data).

Species	North east	North west	Central	South west	South east	State
Aspen	320,128*	443,991	155,923	15,526	4,785	940,353
Hard maple	199,818	196,004	74,997	3,859	4,824	479,502
Soft maple	172,502	191,990	58,263	4,573	3,478	430,805
White birch	87,649	159,695	30,292	2,492	1,768	281,895
Red pine	75,861	35,254	108,268	12,847	17,760	249,991
Jack pine	56,176	53,042	74,822	2,422	371	186,833
Red oaks	38,820	56,118	63,602	9,509	1,932	169,981
Balsam fir	47,535	51,390	1,545	47	129	100,645
Ash	33,720	40,071	15,428	888	1,029	91,136
Basswood	40,662	34,535	6,134	543	220	82,094
White pine	14,952	7,323	31,388	3,975	5,754	63,392
Spruce	27,846	28,141	3,272	1,958	1,419	62,636
White oaks	5,595	14,410	14,676	1,469	546	36,695
Hemlock	25,688	4,759	3,870	--	1,006	35,324
Yellow birch	20,518	9,930	2,750	279	505	33,981
Elm	8,494	11,066	2,093	227	164	22,044
Tamarack	5,861	8,416	675	--	962	15,914
Beech	12,411	1,159	539	7	99	14,215
Other hardwoods	4,731	4,391	183	6	1	9,312
Balsam poplar	196	2,137	2	2	30	2,368
Hickory	728	240	58	10	14	1,050
Cottonwood	365	153	29	4	7	558
White-cedar	33	--	--	--	--	33
All species	1,200,289	1,354,214	648,808	60,643	46,803	3,310,757

Aspen and maples account for 56% of all pulpwood production and northern Wisconsin produces 77% of total harvest.



Source: Ronald Piva, USDA Forest Service, Northern Research Station, St. Paul MN

*Standard cords unpeeled based on 2005 data

Source: Ronald Piva, USDA Forest Service, Northern Research Station, St. Paul MN

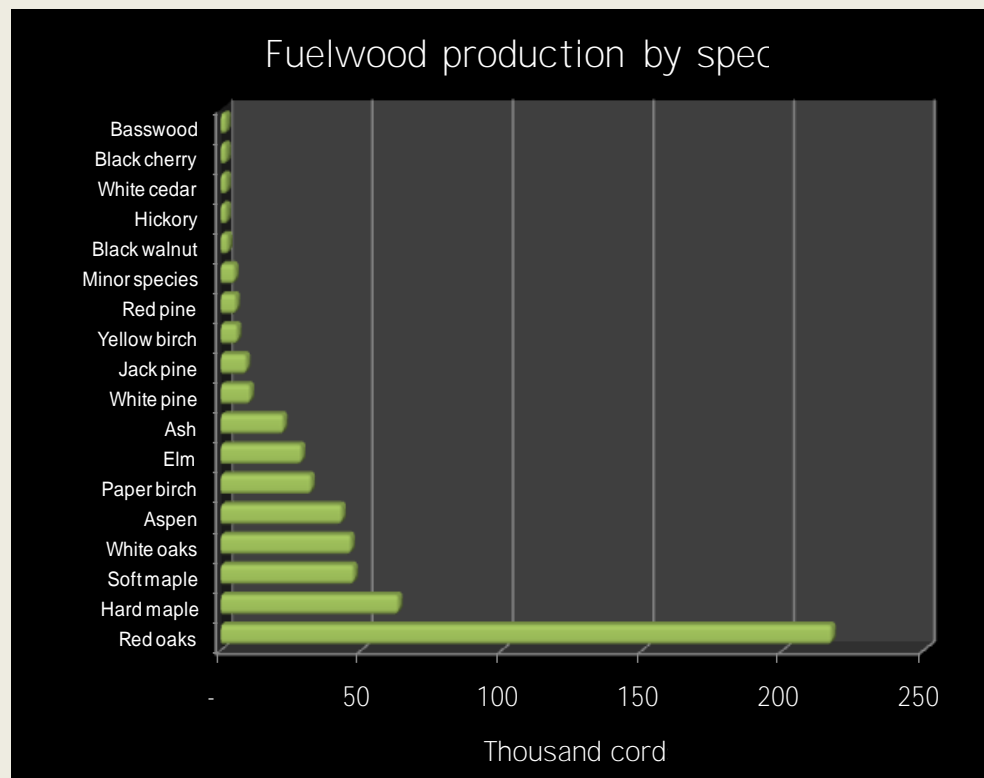
Fuelwood production by species and region of the state

Residential fuelwood production by region of the state (cords) for 2003.

Species	North west	Central	South east	North east	South west	Total
Red oaks	48,495	69,184	39,729	25,966	33,985	217,359
Hard maple	24,183	11,828	2,360	22,174	2,674	63,218
Soft maple	14,525	9,095	10,993	9,039	3,703	47,355
White oaks	4,877	17,900	16,221	786	6,545	46,329
Aspen	19,508	9,176	3,430	9,053	1,952	43,120
Paper birch	12,015	749	9,118	9,019	1,263	32,165
Elm	2,160	5,185	9,707	6,274	5,431	28,756
Ash	3,713	1,258	14,352	742	2,263	22,326
White pine	754	1,672	7,094	223	761	10,504
Jack pine	3,974	3,761	9	1,036	380	9,160
Yellow birch	2,928	669	-	2,072	265	5,935
Red pine	201	1,198	3	428	3,615	5,444
Black walnut	-	250	-	-	2,386	2,635
Hickory	0	123	997	886	29	2,035
White cedar	-	93	1,931	2	-	2,027
Black cherry	0	6	1,082	11	851	1,950
Basswood	558	18	387	977	-	1,940
Willow	2	35	1,506	62	16	1,620
Ironwood	1	25	1,264	43	16	1,349
River birch	-	23	-	-	1,092	1,115
Apple	0	4	309	6	5	323
Beech	-	-	46	219	-	265
Spruce	-	-	-	116	-	116
Cottonwood	-	-	87	-	-	87
Honeylocust	-	-	73	-	-	73
Balsam fir	17	50	1	-	-	68
Total	137,912	132,301	120,699	89,133	67,230	547,275

Source: Ronald Piva, USDA Forest Service, Northern Research Station, St. Paul MN

White and red oaks account for almost half of fuelwood production and maples make up another 20%. Northwest and Central Wisconsin produce about half of all fuelwood.



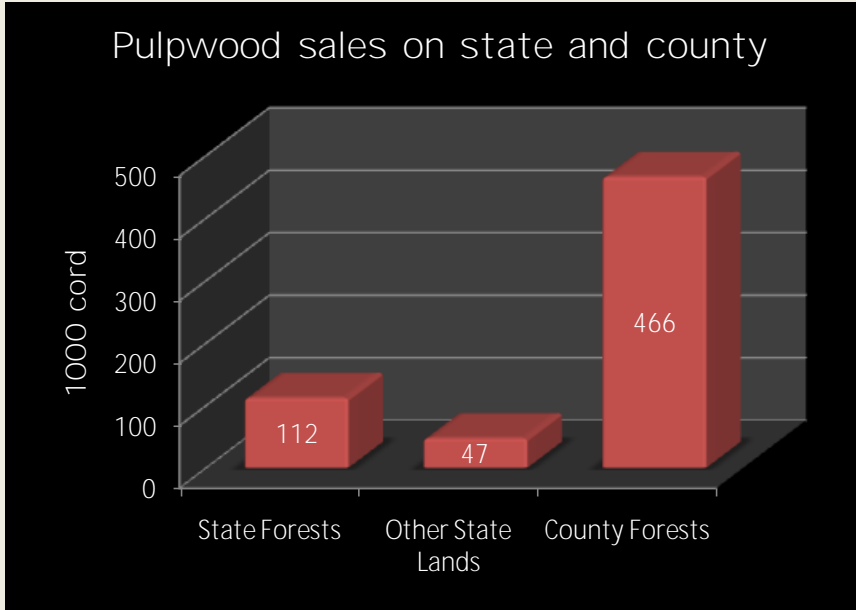
Source: Ronald Piva, USDA Forest Service, Northern Research Station, St. Paul MN



Timber sales on state and county lands in Wisconsin

State lands and county forests generate over \$25 million worth of timber revenue per year. Although county lands account for 80% of the number of sales, sales on state forests are twice as large and generate twice the revenue per sale. Value per sale acre is about 4% higher on state forest lands.

Of the 2.5 million acres of county forests, 31,479 were harvested in 2006 (1.3%) and of the 1 million acres of state land, 10,750 were harvested (1.1%) in 2006.



Source: Jeffrey Barkley, County forest specialist, Dept of Natural Resources, Madison WI

2006 sold sales on public lands ("B" notices)

	# Sales sold	# Acres sold	# MBF sold	# Cords sold	# Cord Equiv sold	Stumpage value
State Forests	56	7477	4149	111,959	121,450	\$4,698,245
Other State Land:	56	3273	1165	47,288	49,932	\$1,741,019
County Forests	461	31,479	11,859	465,843	492,450	\$18,942,651
Total	573	42,229	17,173	625,090	663,832	\$25,381,915

*Compiled from Report 26B - Status Summary 10/8/07 JDB

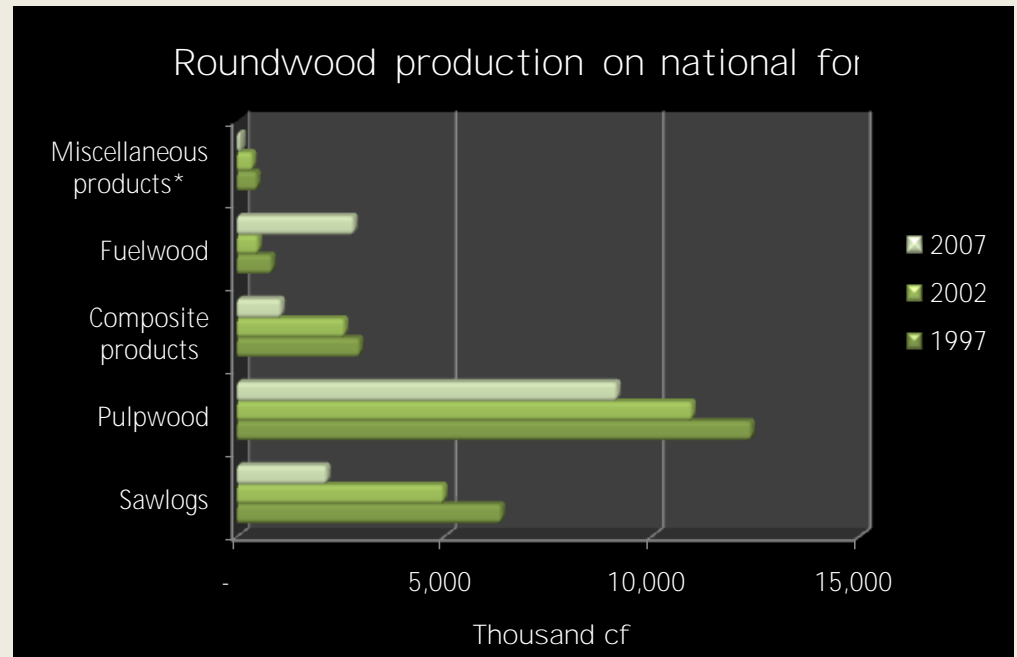
Source: Jeffrey Barkley, County forest specialist, Dept of Natural Resources, Madison WI

National Forests of Wisconsin
Volume of roundwood by product on federal lands

The national forests in Wisconsin have seen a dramatic decrease in harvest levels in the last 10 years: 65% in the production of both sawlogs and composite materials and 26% in pulpwood.

Only 9,683 acres were harvested on the Chequamegon and Nicolet National Forests in 2007* (compared to over 42,000 acres on state and county lands). Harvest by product was: softwood sawtimber 17,005 MBF, hardwood sawtimber 1,836 MBF, and pulpwood 37,052 MBF. Total stumpage value was \$7,222,601 on federal lands, compared to a total of \$25,381,915 on state and county lands.

A comparison between the federal, state, and county shows that while the national forests are harvesting only 0.7% of their forested acreage annually (compared to an average 1.2% for state and county), the average volume per acre and value per acre is about 25% higher on federal lands.



*Miscellaneous products include posts and pilings and veneer.

Source: USDA Forest Service, Timber Product Output http://ncrs2.fs.fed.us/4801/fiadb/rpa_tpo/wc_rpa_tpo.ASP

A comparison of harvest levels on federal, state, and county lands.

Landowner	Total acres forested	Total acres harvested	Percent of forested acres that are harvested	Volume harvested	Volume per acre	Total sale value	Sale value per harvested acre
Forest service	1,375,547	9,683	0.7%	15,268,923	1,577	\$7,222,601	\$746
State	1,014,945	10,750	1.1%	13,539,178	1,259	\$6,439,264	\$599
County	2,464,011	31,479	1.3%	38,903,550	1,236	\$18,942,651	\$602

Source: Jeffrey Barkley, County forest specialist, Dept of Natural Resources, Madison WI and Tina Smith, Resource specialist, USDA Forest Service, Chequamegon-Nicolet National Forests

*Tina Smith, Resource specialist, USDA Forest Service, Chequamegon-Nicolet National Forests



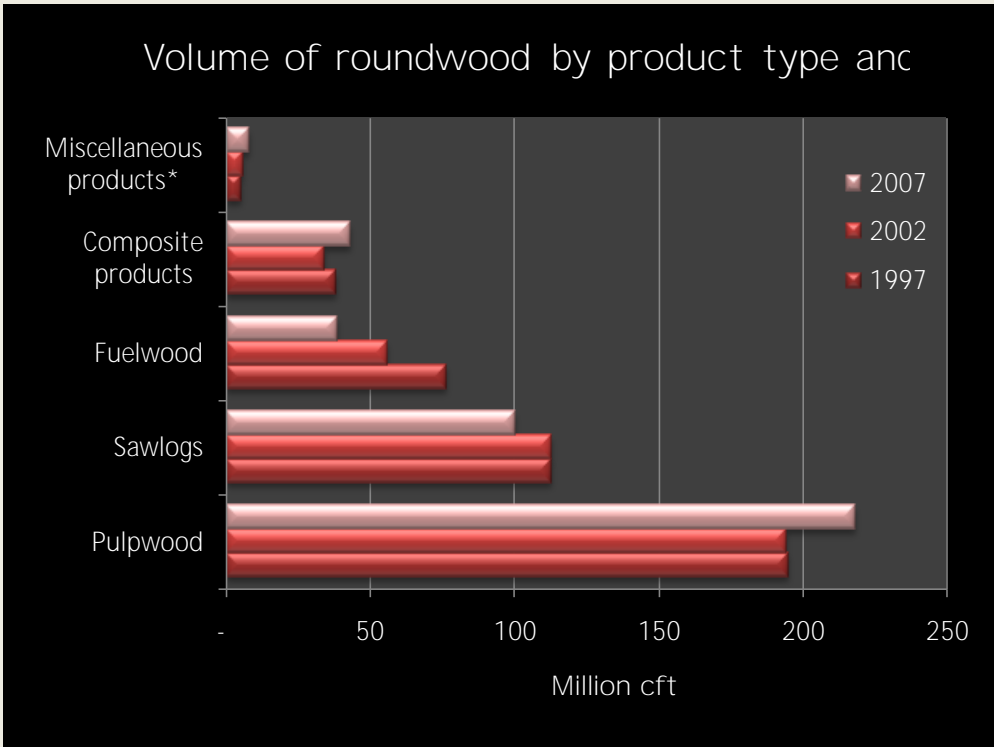
What kind of forest products do we harvest
 ‡ Roundwood production by species group and product

Total roundwood production was approx. 380 billion cft in 2007.
 Pulpwood accounts for over 50% of roundwood and sawlogs for another 25%.

Total roundwood production (thousand cft) by species group and product for 20

Species group	Total Prod	Comp prods	Fuel wood	Misc prod.	Pulp wood	Saw logs	Veneer logs
Aspen	95,596	37,157	3,022	3,559	37,318	12,703	1,836
Hard maples	57,637	261	4,430	95	37,620	14,050	1,182
Soft maples	43,749	760	3,320	-	33,315	6,166	188
Select red oaks	37,897		11,554	72	9,232	15,900	1,139
Red pine	37,503	1,034	381	1,740	18,715	15,434	198
Other birch	27,591	207	2,330	16	22,089	2,467	481
Jack pine	18,540	1,261	641	494	13,480	2,659	4
Other red oaks	14,826	-	3,671	10	4,212	6,612	321
Select white oaks	12,470		3,255	259	2,902	5,832	221
Ash	11,561	156	1,568	-	7,044	2,766	27
Basswood	11,314	1,326	136	158	5,159	4,521	14
White pine	10,909	297	735	1,061	4,711	3,946	158
Total	379,59	42,45	35,04	7,46	195,79	93,05	5,771

Source: USDA Forest Service, Timber Product Output
http://ncrs2.fs.fed.us/4801/fiadb/rpa_tpo/wc_rpa_tpo.ASP



*Miscellaneous products include posts and pilings and veneer.
 Source: USDA Forest Service, Timber Product Output http://ncrs2.fs.fed.us/4801/fiadb/rpa_tpo/wc_rpa_tpo.ASP