

FORESTS OF ND

North Dakota is characterized as a prairie state due to the topography, soils and climate that limits the natural distribution of forestland. Despite this characterization, some diverse and unique forest resources are found here. North Dakota has 760,600 acres of forestland (2011 FIA data), which is at least 120' wide, one acre in size and 10% stocked. Of this amount, 517,800 acres were classified as timberland. Timberland produces more than 20 cubic feet/acre/year of industrial wood crops and is available for harvesting. North Dakota also has over 1.6 million acres of non-forestland with trees, which includes windbreaks, narrow wooded strips, and urban areas (2009 GPI survey).

Hardwood deciduous trees dominate the forest landscapes making up 88% of forestland. Coniferous forest types include Rocky Mountain juniper and ponderosa pine scattered in the western part of the state.

In 2011, the ash species group had over 88 million trees on forestland, followed closely by the cottonwood/ aspen species group at 82 million trees. Cottonwood ranked first in volume of sawtimber on timberland at over 539 million board feet.

Table 2. – Top ten tree species by statewide volume estimates, 2007-2011

Rank	Species	Volume of live trees on forest land (1,000,000 ft³)	Sampling error (%)	Change since 2006 (%)	Volume of sawtimber trees on timberland (1,000,000 bdf)	Sampling error (%)	Change since 2006 (%)
1	Bur oak	172.7	16.0	0.5	240.8	36.1	-20.2
2	Cottonwood	167.7	32.8	12.6	539.2	42.3	17.5
3	Green ash	129.2	12.4	3.4	147.5	26.3	-5.7
4	Quaking aspen	78.1	21.2	-13.6	110.9	37.6	-12.7
5	Boxelder	49.9	18.8	6.6	15.9	71.6	-25.4
6	Rocky Mountain juniper	42.4	27.5	26.2	0.0	0.0	0.0
7	American elm	33.5	36.9	14.7	53.4	53.0	12.2
8	American basswood	19.1	52.4	30.8	34.2	67.1	108.5
9	Peachleaf willow	6.0	78.9	500.0	0.0	0.0	0.0
10	Balsam poplar	5.7	36.1	-32.9	2.9	106.9	-79.6
	Other softwoods	4.4	78.8	450.0	0.0	0.0	-100.0
	Other hardwoods	6.8	41.0	-50.0	4.3	72.3	-72.6
	All Species	715.6	10.0	4.5	1,147.3	22.7	-0.9

Source = FIA ND's Forest Resources, 2011

SAWMILL INDUSTRY

North Dakota's primary wood-using industry is comprised mainly of small sawmills operating on a part-time basis. Products include rough lumber, pallet cants, chips, planking and other unfinished products of cottonwood, green ash, American elm, basswood, bur oak and ponderosa pine. Some items of interest include:

- 1.6% of North Dakota is natural forest.
- Private landowners own nearly 69% of North Dakota's forestland.
- Cottonwood is typically the main species harvested.
- About 3/4 of the State's sawlog production is exported out-of-state.
- Most of the secondary wood manufacturers (such as cabinet makers) get much of their wood material from out-of-state sources.

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NORTH DAKOTA SAWMILL DIRECTORY

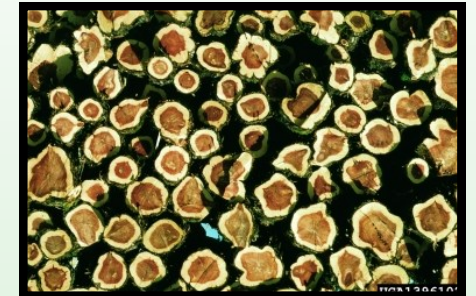


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NORTH DAKOTA SAWMILLS

County	Company	Owner/Tele	Products	Equipment	Annual Output	Tree Species	Additional Information
Barnes	Legge's Portable Milling 3212 - 115 Avenue SE Valley City, ND 58072	Lewis Legge 701-845-4762	Firewood, rough lumber	Band headsaw, planer, log splitter, loader, firewood processor	6,000-10,999 BF 11-20 cords	Cottonwood 80%, ash 10%, spruce 10%	Portable sawmill, sells firewood, custom sawing, logging operation, part-time
	Neil Tangen 5193 - 119th Avenue SE Kathryn, ND 58049	701-796-7431	Firewood, rough lumber	Circular headsaw, planer, log splitter, loader	Idle		Saws only for own use, part-time
	Moen Millworks PO Box 165 Page, ND 58064	701-840-9068 C 701-668-2219 H	Firewood, rough lumber, dressed lumber, pallet cants & parts, cants, stakes, lath, timbers, posts, logs, custom millwork, wood furniture	Band headsaw, debarker, planer, log splitter, loader, wood fired kiln	6,000 -10,999 BF 11-20 cords	Cottonwood 40%, oak 20%, ash 40%	Portable sawmill, sells firewood, custom sawing & planning, logging operation, log buyer/broker— saw logs, shelterbelt cleaning, full time
Burke	Tilmer Jacobson 6958 County Rd 17 Bowbells, ND 58721	701-377-2666	Rough lumber	Circular headsaw, planer, loader	0-2,999 BF	Cottonwood 90%, aspen 10%	Saws only for own use
Morton	Voigt Lumber & Logging 2890 - 44th Street Mandan, ND 58554	Luke Voigt 701-663-4173	Firewood, rough lumber, pallet parts, cabin logs, shavings, chips, bark	Circular headsaw, log splitter, skidder, loader	Idle 11-20 cords	Cottonwood 70%, elm 15%, ash 10%, oak 5%	Sells firewood, custom sawing, logging operation, log buyer/broker, bark sales for carving
	Fried's Sawmill Inc. 2624 - 35th St. Mandan, ND 58554	Ralph Fried Jr. 701-400-6223 or 701-663-6223	Firewood, rough lumber, dressed lumber, stakes	Band headsaw, planer, DH dry kiln	31,000—50,999 BF 21-30 cords	Cottonwood 75%, ash 5%, elm 5%, telephone poles 15%	Portable sawmill, sells firewood, custom sawing, custom planning, part-time
Pembina	Eco Industries Inc. 12810 - 91st Street NE Cavalier, ND 58220	Brad Kingery 701-993-8586	Firewood, rough lumber, dressed lumber	Circular headsaw, edger, trimmer, planer, skidder, loader, DH dry kiln, wood fired system	11,000-20,999 BF	Oak 34%, cedar 33%, spruce 33%	Sells firewood, custom sawing, logging operation, log buyer/broker, timber stand improvement
	Tim Stegman 10583 - 143rd Avenue NE Neche, ND 58265	701-521-0565	Firewood, rough lumber, dressed lumber	Band headsaw	0-2,999 BF 0-10 cords	Cottonwood, oak, ash, juniper, spruce, basswood, pine = various %	Custom sawing, log buyer/broker—saw logs, part-time
Ransom	Sheldon Mills 14547 - 58th St. SE Sheldon, ND 58068	Dean Haverinen 701-640-4407	Firewood, rough lumber, pallet parts & cants	Circular sawmill, edger, resaw, skidder, loader	201,000 -300,999 BF	Cottonwood 100%	Sells firewood, saws only for own use, logging operation, full time
Richland	Gordon Solhjem 6030 Cty Rd 23 Leonard, ND 58052	701-645-2526	Firewood, rough lumber, dressed lumber	Band headsaw, planer, log splitter, loader—bobcat skid steer, solar dry kiln	0-2,999 BF 0-10 cords	Ash, oak, basswood, spruce	Portable sawmill, part-time
Slope	Logging Camp Ranch 5705 - 151st Avenue SW Bowman, ND 58653	John Hanson 701-279-5501	Firewood, rough lumber, logs, cabin logs	Circular headsaw, loader (Bobcat)	21,000-30,999BF 0-10 cords	Ponderosa pine 98%, cedar 1%, ash 1%	Sells firewood, custom sawing, logging operation
	Shakey Jacobson 5710 - 153 Ave. SW Bowman, ND 58623	701-279-5797	Rough lumber	Circular sawmill, edger, loader	3,000—5,999 BF	Ponderosa pine 95%, cedar 5%	Portable sawmill, part-time