

2021

# Timber Supply, Crossett Arkansas



**ARKANSAS CENTER FOR  
FOREST BUSINESS**  
UNIVERSITY OF ARKANSAS AT MONTICELLO

College of Forestry,  
Agriculture, and Natural  
Resources

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## Summary

The timber resources in the 70-miles surrounding Crossett, Arkansas can support additional harvests greater than 3.2 million tons per year in pine saw logs and 1.4 million tons in pine pulpwood and top wood. Within 100 miles, these values increase to 6.9 and 2.9 million tons per year in saw logs and pulpwood/top wood, respectively. Within 70 miles of Crossett, annual hardwood removals could increase by 1.3 million tons in saw logs and 0.7 million tons in pulpwood and top wood, with these values increasing to 3.1 and 1.5 million tons, respectively, in a 100-mile radius.

This data comes from the most recent FIA data (2018 – LA, 2019 – AR and MS) and does not reflect changes in forest cover, growth, or removals from that time to present. Changes in existing mill production and other forest disturbances could have a substantial effect on the values provided here, and those changes will likely increase over time.

## Highlights of Tables

- There are 6.1 and 12.2 million acres of forest land within 70 and 100 miles, respectively, of Crossett, Arkansas
- Pine is the dominant forest type in the region (45%) followed by bottomland hardwoods (30%) and upland hardwoods (15%)
- Naturally regenerated forests cover account for 65% of all forestland in the region, but 64% of pine covertypes are artificially regenerated. Only 11% of non-pine forests are artificially regenerated
- 90%+ of the forest land is privately owned and forest growing stock, growth, and removals are generally proportional to ownership
- Within 70 miles of Crossett
  - 170 million tons of pine growing stock, 119 million tons of which is pine saw timber and 51 million tons of pulpwood and top wood
  - 167 million tons of hardwood growing stock, 96 million tons of which is saw timber and 71 million tons is pulpwood and top wood
  - Annual surplus in pine growth is 3.3 million tons in saw timber and 1.4 million tons in pulpwood
  - Annual surplus in hardwood growth is 1.4 million tons in saw timber and 0.7 million tons in pulpwood
- Within 100 miles of Crossett
  - 332 million tons of pine growing stock, 231 million tons of which is pine saw timber and 101 million tons of pulpwood and top wood
  - 382 million tons of hardwood growing stock, 228 million tons of which is saw timber and 154 million tons is pulpwood and top wood
  - Annual surplus in pine growth is 6.9 million tons in saw timber and 2.9 million tons in pulpwood and top wood
  - Annual surplus in hardwood growth is 3.1 million tons in saw timber and 1.5 million tons in pulpwood and top wood

## Purpose/Objectives

The purpose of this analysis is to create a one-time snapshot of merchantable timber around Crossett Arkansas. The data tables attached will provide information on the following:

- Forest area within 70 and 100 miles aerial radius of Crossett, Arkansas by ownership and forest type group (Tables 1 and 2)
- Forest area within 100 miles aerial radius of Crossett, Arkansas by forest type group and stand origin (Table 3)
- Within 70 miles and 100 miles for major species groups and ownership groups:
  - Current growing stock for merchantable bole, sawlogs, and pulpwood/topwood (Table 4 and 8)
  - Annual net growth for merchantable bole, sawlogs, and pulpwood/topwood (Table 5 and 9)
  - Annual removals group for merchantable bole, sawlogs, and pulpwood/topwood (Table 6 and 10)
  - Annual net surplus for merchantable bole, sawlogs, and pulpwood/topwood (Table 7 and 11)

## Methods

The USDA Forest Service Forest Inventory and Analysis (FIA) database is the source of the data for these tables. Data comes from the Arkansas (2019), Louisiana (2018), and Mississippi (2019) inventories, which, at the time of this report are the most current available. The online software EVALIDATOR and DATIM processed the database queries for these reports. EVALIDATOR and DATIM can be accessed on the FIA National Program website (<https://www.fia.fs.fed.us/tools-data/>).

Some specifics to the database queries are important to note:

- The center of the analysis radii of 70 and 100 miles is 33.128178 degrees north latitude and - 91.961243 degrees west longitude (center of Crossett, Arkansas)
- The results show acre and tonnages based on forestland based on FIA definition (FIADEF)
- Ownership categories are either PUBLIC or PRIVATE
- Areas are in acres
- Tree biomass is reported in GREEN SHORT TONS

This report is an initial survey of forestland resources. The Arkansas Center for Forest Business upon request can provide more detailed analysis and information regarding the region.

Table 1. Forest acres by forest type group and ownership within a 70-mile radius of Crossett, Arkansas in 2019.

Forest type group	Total	Public	Private
Total	6,070,201	475,798	5,594,403
Loblolly / shortleaf pine group	2,926,285	80,412	2,845,873
Other eastern softwoods group	5,559	0	5,559
Oak / pine group	475,822	28,095	447,727
Oak / hickory group	803,048	36,159	766,889
Oak / gum / cypress group	1,223,659	274,607	949,052
Elm / ash / cottonwood group	498,185	48,750	449,435
Other hardwoods group	4,321	0	4,321
Exotic hardwoods group	10,743	3,003	7,740
Nonstocked	122,579	4,772	117,807

Table 2. Forest acres by forest type group and ownership within a 100-mile radius of Crossett, Arkansas in 2019.

Forest type group	Total	Public	Private
Total	12,157,087	1,185,718	10,971,370
Longleaf / slash pine group	3,798	3,798	0
Loblolly / shortleaf pine group	5,464,787	206,186	5,258,601
Other eastern softwoods group	5,559	0	5,559
Oak / pine group	949,458	60,573	888,884
Oak / hickory group	1,821,706	99,012	1,722,694
Oak / gum / cypress group	2,605,672	640,830	1,964,842
Elm / ash / cottonwood group	1,097,419	152,142	945,277
Other hardwoods group	7,050	0	7,050
Exotic hardwoods group	26,734	8,704	18,030
Nonstocked	174,904	14,472	160,432

Table 3. Stand origin by forest cover type within 100-mile radius of Crossett, Arkansas in 2019.

Forest type group	Total	Natural stands	Clear evidence of artificial regeneration
Total	12,157,087	7,921,210	4,235,878
Longleaf / slash pine group	3,798	3,798	0
Loblolly / shortleaf pine group	5,464,787	1,955,781	3,509,006
Other eastern softwoods group	5,559	0	5,559
Oak / pine group	949,458	789,351	160,106
Oak / hickory group	1,821,706	1,687,101	134,605
Oak / gum / cypress group	2,605,672	2,280,577	325,096
Elm / ash / cottonwood group	1,097,419	1,031,776	65,643
Other hardwoods group	7,050	7,050	0
Exotic hardwoods group	26,734	26,734	0
Nonstocked	174,904	139,042	35,862

Table 4. Growing stock of merchantable bole biomass, saw log portion, and pulpwood/topwood portion in green tons by major species group and major ownership group within 70 miles of Crossett, Arkansas in 2019.

TOTAL MERCHANTABLE BOLE GROWING STOCK IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	347,157,875	36,912,975	310,244,900	0	
Pines	170,273,383	8,702,380	161,571,003	0	
Other softwoods	9,854,627	2,116,049	7,738,578	0	
Soft hardwoods	53,813,287	6,348,594	47,464,694	0	
Hard hardwoods	113,216,577	19,745,951	93,470,626	0	

  

SAWLOG PORTION OF GROWING STOCK IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	222,868,733	26,219,504	196,649,229	0	
Pines	118,970,820	7,856,438	111,114,382	0	
Other softwoods	7,765,793	1,572,261	6,193,532	0	
Soft hardwoods	24,653,574	3,072,972	21,580,602	0	
Hard hardwoods	71,478,545	13,717,832	57,760,713	0	

  

PULPWOOD and TOPWOOD PORTION OF GROWING STOCK IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	124,289,142	10,693,471	113,595,671	0	
Pines	51,302,563	845,942	50,456,621	0	
Other softwoods	2,088,834	543,788	1,545,046	0	
Soft hardwoods	29,159,713	3,275,622	25,884,092	0	
Hard hardwoods	41,738,032	6,028,119	35,709,913	0	

Table 5. Annual net growth of merchantable bole biomass, saw log portion, and pulpwood/topwood portion in green tons by major species group and major ownership group within 70 miles of Crossett, Arkansas in 2019.

MERCHANTABLE BOLE BIOMASS ANNUAL NET GROWTH IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	18,529,078	681,536	17,841,085	6,457	
Pines	13,428,392	208,220	13,210,034	10,138	
Other softwoods	219,318	47,373	171,945	0	
Soft hardwoods	1,606,921	134,719	1,478,112	-5,910	
Hard hardwoods	3,274,447	291,224	2,980,993	2,230	

SAWLOG PORTION OF NET GROWTH IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	12,529,924	536,269	11,985,704	7,950	
Pines	9,489,784	185,025	9,296,065	8,694	
Other softwoods	187,906	46,973	140,933	0	
Soft hardwoods	792,581	79,384	717,117	-3,920	
Hard hardwoods	2,059,653	224,887	1,831,590	3,176	

PULPWOOD and TOPWOOD PORTION OF NET GROWTH IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	5,999,154	145,266	5,855,381	-1,493	
Pines	3,938,608	23,196	3,913,969	1,443	
Other softwoods	31,411	399	31,012	0	
Soft hardwoods	814,340	55,335	760,996	-1,990	
Hard hardwoods	1,214,794	66,337	1,149,404	-946	



Table 6. Annual removals of merchantable bole biomass, saw log portion, and pulpwood/topwood portion in green tons by major species group and major ownership group within 70 miles of Crossett, Arkansas in 2019.

MERCHANTABLE BOLE BIOMASS ANNUAL REMOVALS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	11,599,681	105,148	11,293,387	201,146	
Pines	8,735,856	36,712	8,564,866	134,278	
Other softwoods	1,054	0	1,054	0	
Soft hardwoods	765,553	5,974	741,038	18,540	
Hard hardwoods	2,097,219	62,461	1,986,430	48,328	

SAWLOG PORTION OF ANNUAL REMOVALS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	7,726,280	69,539	7,499,642	157,100	
Pines	6,228,754	24,274	6,088,725	115,755	
Other softwoods	0	0	0	0	
Soft hardwoods	229,486	0	220,820	8,667	
Hard hardwoods	1,268,039	45,265	1,190,097	32,678	

PULPWOOD and TOPWOOD PORTION OF ANNUAL REMOVALS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	3,873,401	35,609	3,793,746	44,046	
Pines	2,507,101	12,438	2,476,141	18,522	
Other softwoods	1,054	0	1,054	0	
Soft hardwoods	536,066	5,974	520,218	9,873	
Hard hardwoods	829,180	17,197	796,333	15,650	

Table 7. Annual surplus of merchantable bole biomass, saw log portion, and pulpwood/topwood portion in green tons by major species group and major ownership group within 70 miles of Crossett, Arkansas in 2019.

MERCHANTABLE BOLE BIOMASS ANNUAL NET SURPLUS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	6,929,397	576,388	6,547,698	-194,689	
Pines	4,692,537	171,509	4,645,168	-124,140	
Other softwoods	218,264	47,373	170,891	0	
Soft hardwoods	841,368	128,744	737,074	-24,450	
Hard hardwoods	1,177,228	228,763	994,564	-46,098	

SAWLOG PORTION OF ANNUAL NET SURPLUS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	4,803,644	466,731	4,486,062	-149,149	
Pines	3,261,030	160,751	3,207,340	-107,061	
Other softwoods	187,906	46,973	140,933	0	
Soft hardwoods	563,094	79,384	496,297	-12,586	
Hard hardwoods	791,613	179,622	641,493	-29,502	

PULPWOOD and TOPWOOD PORTION OF ANNUAL NET SURPLUS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	2,125,753	109,657	2,061,635	-45,539	
Pines	1,431,507	10,758	1,437,828	-17,079	
Other softwoods	30,358	399	29,959	0	
Soft hardwoods	278,274	49,360	240,777	-11,864	
Hard hardwoods	385,615	49,140	353,071	-16,596	

Table 8. Growing stock of merchantable bole biomass, saw log portion, and pulpwood/topwood portion in green tons by major species group and major ownership group within 100 miles of Crossett, Arkansas in 2019.

TOTAL MERCHANTABLE BOLE GROWING STOCK IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	735,320,372	103,512,286	631,808,085	0	
Pines	332,040,116	22,422,662	309,617,455	0	
Other softwoods	21,207,640	5,062,766	16,144,874	0	
Soft hardwoods	123,716,403	20,754,889	102,961,514	0	
Hard hardwoods	258,356,212	55,271,969	203,084,243	0	

  

SAWLOG PORTION OF GROWING STOCK IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	476,510,831	75,252,641	401,258,190	0	
Pines	231,200,820	19,850,049	211,350,771	0	
Other softwoods	17,019,387	4,072,772	12,946,615	0	
Soft hardwoods	59,268,950	11,664,936	47,604,013	0	
Hard hardwoods	169,021,673	39,664,883	129,356,790	0	

  

PULPWOOD and TOPWOOD PORTION OF GROWING STOCK IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	258,809,541	28,259,645	230,549,895	0	
Pines	100,839,296	2,572,613	98,266,684	0	
Other softwoods	4,188,253	989,994	3,198,259	0	
Soft hardwoods	64,447,453	9,089,953	55,357,501	0	
Hard hardwoods	89,334,539	15,607,086	73,727,453	0	

Table 9. Annual net growth of merchantable bole biomass, saw log portion, and pulpwood/topwood portion in green tons by major species group and major ownership group within 100 miles of Crossett, Arkansas in 2019.

MERCHANTABLE BOLE BIOMASS ANNUAL NET GROWTH IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	37,350,601	2,079,214	35,246,527	24,860	
Pines	26,337,808	686,200	25,636,899	14,708	
Other softwoods	567,116	119,625	447,491	0	
Soft hardwoods	3,672,136	343,366	3,324,223	4,547	
Hard hardwoods	6,773,542	930,023	5,837,914	5,605	

SAWLOG PORTION OF ANNUAL NET GROWTH IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	25,160,059	1,620,851	23,527,883	11,324	
Pines	18,502,471	623,833	17,867,931	10,707	
Other softwoods	481,343	108,695	372,648	0	
Soft hardwoods	1,828,958	236,573	1,595,712	-3,327	
Hard hardwoods	4,347,286	651,751	3,691,592	3,944	

PULPWOOD and TOPWOOD PORTION OF ANNUAL NET GROWTH IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	12,190,543	458,363	11,718,644	13,536	
Pines	7,835,337	62,368	7,768,968	4,001	
Other softwoods	85,773	10,930	74,843	0	
Soft hardwoods	1,843,178	106,793	1,728,511	7,874	
Hard hardwoods	2,426,255	278,272	2,146,322	1,661	

Table 10. Annual removals of merchantable bole biomass, saw log portion, and pulpwood/topwood portion in green tons by major species group and major ownership group within 100 miles of Crossett, Arkansas in 2019.

MERCHANTABLE BOLE BIOMASS ANNUAL REMOVALS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	22,428,842	745,539	21,397,717	285,585	
Pines	16,559,651	391,168	16,023,031	145,452	
Other softwoods	2,164	0	2,164	0	
Soft hardwoods	1,963,623	37,050	1,859,708	66,865	
Hard hardwoods	3,903,403	317,321	3,512,814	73,268	

  

SAWLOG PORTION OF ANNUAL REMOVALS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	14,689,779	544,618	13,966,307	178,854	
Pines	11,620,447	286,924	11,214,615	118,908	
Other softwoods	0	0	0	0	
Soft hardwoods	688,370	8,185	660,079	20,106	
Hard hardwoods	2,380,962	249,509	2,091,613	39,840	

  

PULPWOOD and TOPWOOD PORTION OF ANNUAL REMOVALS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	7,739,063	200,921	7,431,411	106,731	
Pines	4,939,204	104,244	4,808,416	26,545	
Other softwoods	2,164	0	2,164	0	
Soft hardwoods	1,275,254	28,865	1,199,630	46,759	
Hard hardwoods	1,522,441	67,812	1,421,201	33,428	

Table 11. Annual surplus of merchantable bole biomass, saw log portion, and pulpwood/topwood portion in green tons by major species group and major ownership group within 100 miles of Crossett, Arkansas in 2019.

MERCHANTABLE BOLE BIOMASS ANNUAL NET SURPLUS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	14,921,760	1,333,675	13,848,810	-260,725	
Pines	9,778,157	295,032	9,613,868	-130,744	
Other softwoods	564,952	119,625	445,327	0	
Soft hardwoods	1,708,512	306,316	1,464,514	-62,318	
Hard hardwoods	2,870,139	612,701	2,325,101	-67,663	

  

SAWLOG PORTION OF ANNUAL NET SURPLUS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	10,470,280	1,076,233	9,561,577	-167,529	
Pines	6,882,024	336,909	6,653,316	-108,200	
Other softwoods	481,343	108,695	372,648	0	
Soft hardwoods	1,140,588	228,388	935,633	-23,433	
Hard hardwoods	1,966,324	402,242	1,599,979	-35,897	

  

PULPWOOD and TOPWOOD PORTION OF ANNUAL NET SURPLUS IN TONS					
Species group	Total	Ownership group			
		Public	Private	Not available	
Total	4,451,479	257,442	4,287,233	-93,196	
Pines	2,896,133	-41,876	2,960,552	-22,544	
Other softwoods	83,608	10,930	72,678	0	
Soft hardwoods	567,924	77,928	528,881	-38,885	
Hard hardwoods	903,815	210,460	725,121	-31,767	