



Pennsylvania Woodlands
TIMBER MARKET

REPORT

**Forth Quarter 2009
 October-December**

Pulpwood Stumpage...

Private and Other Public Pulpwood Stumpage

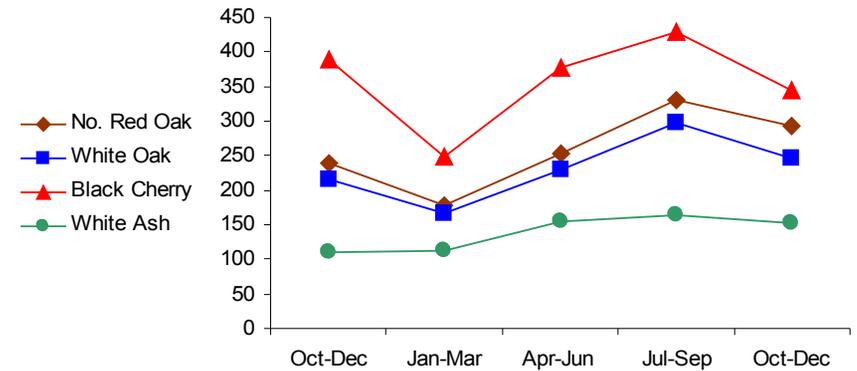
Region	Hardwood Pulp (\$/ton)				Softwood Pulp (\$/ton)			
	Low	Avg	(n)#	High	Low	Avg	(n)#	High
Northeast	2.00	2.54	12	4.00			0	
Southeast		2.97	4	3.50	*	3.38	2	*
Northwest		2.94	23	4.50	2.31	2.83	4	3.00
Southwest		1.97	7	2.78	*	3.08	2	*

Bureau of Forestry Pulpwood Stumpage

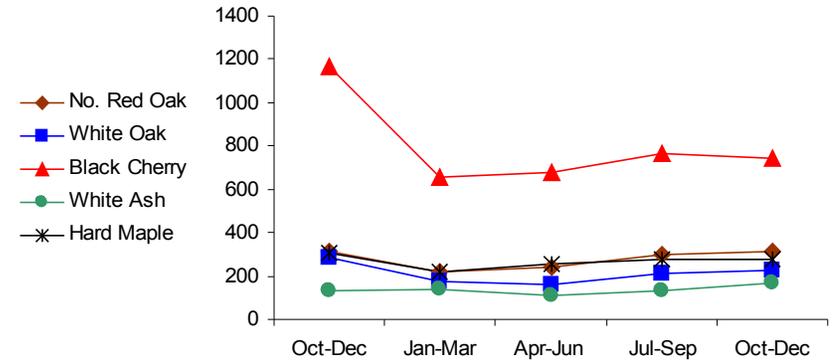
Region	Hardwood Pulp (\$/ton)				Softwood Pulp (\$/ton)			
	Low	Avg	(n)#	High	Low	Avg	(n)#	High
Northeast	0.25	1.07	12	2.90	0.25	1.04	11	2.20
Southeast	0.89	1.60	6	2.12	0.89	1.46	6	1.80
Northwest	0.20	1.02	14	1.68		0.94	8	1.64
Southwest	0.24	1.41	9	2.18	0.24	1.23	8	1.84

^ No prices are reported for samples with only a single respondent.
 * Ranges are not reported for samples with fewer than three respondents.

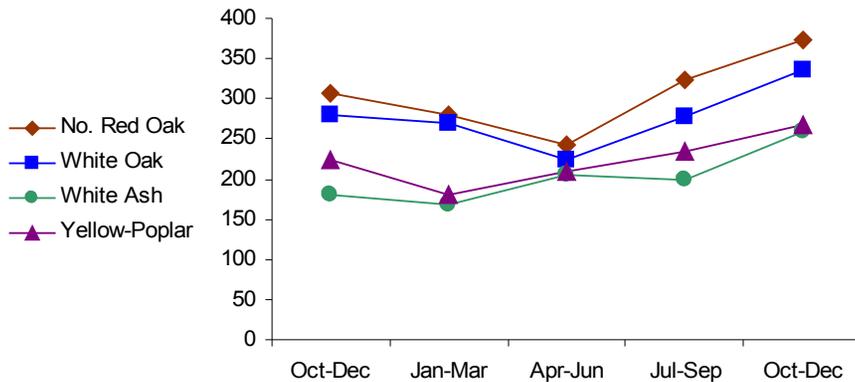
Southwest



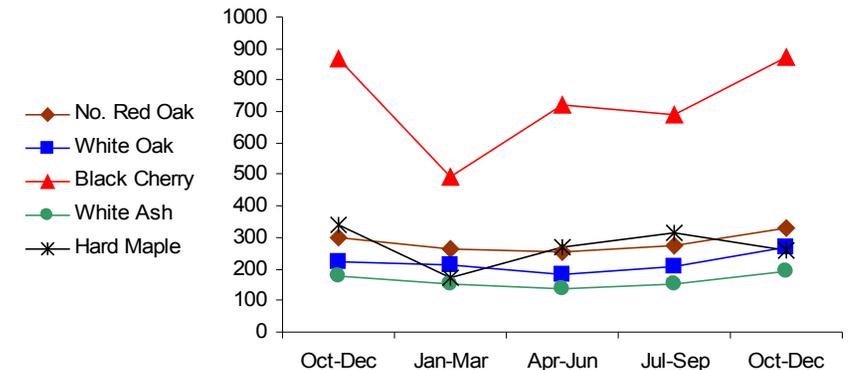
Northwest



Southeast



Northeast



This Pennsylvania Woodlands' Timber Market Report gives the prices paid in the Commonwealth of Pennsylvania for stumpage (standing timber) and for logs delivered to sawmills during the months of October-December of 2009. Why four different regions?

The four regions, shown on the cover map, were designed to more accurately reflect the forest products in Pennsylvania. The markets within each of the four regions are unique. For example, the quality and quantity of black cherry produced in the Northwest usually surpasses that of the other three. The Timber Market Report's four regions were developed to take these types of differences into consideration while providing an accurate and easily understandable price report. It is important to note that counties in border areas may reflect the trends of all the regions on which they border.

What do the prices mean?

The Timber Market Report reflects the stumpage and mill prices observed over a three month time period. Due to the dramatic changes common among Pennsylvania's timber markets, past reports may not accurately describe the latest market conditions. A current report is the best guide to the current market status. It must be remembered that this report is based on a survey of loggers, sawmills, pulp and paper companies, consultant foresters, and public agencies. The report is intended to describe general trends in the market and ignore specific timber tract variation. In addition, there are many factors which can influence the price of timber found on a given tract of land. These factors include, but are not limited to:

Size, species, and quality of timber	total volume and volume per acre
Logging conditions	distance to the mill
Season of the year	current market conditions

Sawtimber Stumpage Prices: The sawtimber stumpage price found in this quarter's report are based on the average or mean price as determined from the survey information provided by loggers, sawmill operators, forestry consultants, the Bureau of Forestry, the Pennsylvania Game Commission, and the U. S. Forest Service. Along with the average price, the report includes a plus and minus column. These two columns represent the average price plus/minus one standard deviation. The standard deviation is a measure of the variability or dispersion of all the prices reported for a given species. A range of stumpage prices one standard deviation on either side of the average usually includes two-thirds of all the reported prices for that species. This does not represent the complete range of prices in the species, but it tends to eliminate the extreme values. It shows where the majority (two-thirds) of the reported prices lie.

Mill Prices: Mills report on a dollar per thousand board feet basis for the low, medium, high and veneer prices for logs delivered to the mill. The low, medium, and high categories correspond to the Forest Service log grades F3, F2, F1, respectively. The mill prices represent the average of all the prices reported by sawmills across the state plus those out-of-state mills that purchased Pennsylvania logs. Like stumpage prices, these figures are also broken down regionally. Occasionally, the mill prices by grade will appear to be out of order. This anomaly is caused by a limited number of responses in one of the categories. There are commonly fewer observations (the (n) columns), for mill prices since many mills do not report their mill prices because they supply their mills exclusively by purchasing their own stumpage.

Pulpwood Stumpage Prices: The pulpwood stumpage prices are reported in a manner similar to the sawtimber prices. The major difference is that pulp stumpage is split into two categories. The prices are calculated and reported separately because they represent two different types of forest products. The "Bureau of Forestry" category represents not just pulpwood, but firewood and some low-value sawtimber, too. The "Private and Other Public" category represents forest products specifically used for pulp products. This group includes prices reported by loggers, sawmills, forestry consultants, pulp and paper companies, the Pennsylvania Game Commission, and the U.S. Forest Service.

How do I convert log rules?

All sawtimber prices in this report are based on the International ¼" log rule. The conversion factors used to determine prices in Doyle and Scribner rules are shown below the sawtimber table. Conversion from one log rule to another is somewhat arbitrary in that the conversion factors vary with log size and form class. The conversion factors used to compile this report assume that the average log has a 13-inch diameter at the small end.

Comments:

Dear Recipients,

In all regions and for the vast majority of species, prices crept slightly upward. Which I assume is a sign that things are not getting worse. The question is can it hold. The oaks seem to be doing the best. Overall, the eastern part of the state also seems to be picking up a little faster than the West in terms of price gains. As usual we still getting quite a few survey responders saying "no sales this quarter" but thankfully we didn't get any saying "out of business".

Sincerely,

Mike Jacobson, Ph.D.
Associate Professor
Extension Forester

Kyle Kovach
Extension Associate

Funded by the Renewable Resources Extension Act

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TIMBER MARKET REPORT

October-December 2009

Stumpage Prices

Mill Prices

Species	Minus		Plus		(n)#	Low		Med		High		Veneer	
	(1 St.Dev)	Avg	(1 St.Dev)			F3+	(n)#	F2+	(n)#	F1+	(n)#	Avg	(n)#
NORTHEAST													
(\$ per M B F International 1/4")													
Northern Red Oak	234	331	428	(23)	0	(0)	410	(1)	0	(0)	0	(0)	(0)
White Oak	158	271	384	(20)	0	(0)	420	(1)	0	(0)	0	(0)	(0)
Mixed Oak	161	251	341	(17)	0	(0)	400	(1)	0	(0)	0	(0)	(0)
Black Cherry	568	873	1178	(14)	0	(0)	0	(0)	0	(0)	0	(0)	(0)
White Ash	126	193	260	(19)	354	(1)	340	(1)	0	(0)	0	(0)	(0)
Hard Maple	187	258	329	(11)	0	(0)	0	(0)	0	(0)	0	(0)	(0)
Soft Maple	101	194	287	(31)	0	(0)	500	(1)	0	(0)	0	(0)	(0)
Yellow-Poplar	78	157	236	(8)	0	(0)	330	(1)	0	(0)	0	(0)	(0)
Misc. Hardwoods	87	138	189	(8)	0	(0)	0	(0)	0	(0)			
White Pine	78	96	114	(8)	129	(1)	207	(1)	233	(1)			
Hemlock	0	54	66	(10)	129	(1)	207	(1)	233	(1)			
SOUTHEAST													
Northern Red Oak	291	374	457	(18)	250	(1)	0	(0)	400	(1)	0	(0)	(0)
White Oak	266	336	406	(18)	250	(1)	0	(0)	400	(1)	0	(0)	(0)
Mixed Oak	236	309	382	(17)	0	(0)	300	(1)	0	(0)	0	(0)	(0)
Black Cherry	215	505	795	(5)	0	(0)	0	(0)	0	(0)	0	(0)	(0)
White Ash	215	259	303	(8)	0	(0)	0	(0)	0	(0)	0	(0)	(0)
Hard Maple	297	467	637	(4)	0	(0)	0	(0)	0	(0)	0	(0)	(0)
Soft Maple	184	237	290	(14)	0	(0)	0	(0)	0	(0)	0	(0)	(0)
Yellow-poplar	204	268	332	(15)	0	(0)	0	(0)	0	(0)	0	(0)	(0)
Misc. Hardwoods	157	191	225	(11)	0	(0)	0	(0)	0	(0)			
White Pine	86	105	124	(4)	0	(0)	0	(0)	0	(0)			
Hemlock	78	92	106	(4)	0	(0)	0	(0)	0	(0)			
NORTHWEST													
Northern Red Oak	182	313	444	(33)	132	(2)	241	(3)	413	(2)	791	(5)	(5)
White Oak	97	225	353	(21)	132	(2)	221	(3)	457	(2)	791	(5)	(5)
Mixed Oak	86	204	322	(18)	118	(2)	128	(3)	236	(2)	560	(2)	(2)
Black Cherry	427	745	1063	(42)	132	(2)	428	(3)	0	(0)	1731	(6)	(6)
White Ash	110	167	224	(38)	108	(2)	138	(3)	206	(2)	400	(2)	(2)
Hard Maple	164	274	384	(25)	132	(2)	280	(3)	502	(2)	1003	(5)	(5)
Soft Maple	113	180	247	(48)	122	(2)	152	(3)	295	(2)	0	(0)	(0)
Yellow-poplar	47	123	199	(15)	108	(2)	112	(3)	236	(2)	0	(0)	(0)
Misc. Hardwoods	27	58	89	(23)	92	(2)	100	(2)	108	(2)			
White Pine	11	27	43	(6)	97	(1)	97	(1)	97	(1)			
Hemlock	0	29	40	(12)	97	(1)	97	(1)	97	(1)			
SOUTHWEST													
Northern Red Oak	194	292	390	(20)	84	(3)	296	(3)	438	(3)	592	(2)	(2)
White Oak	135	246	357	(14)	92	(3)	219	(3)	390	(3)	534	(2)	(2)
Mixed Oak	135	227	319	(17)	84	(2)	146	(2)	203	(2)	0	(0)	(0)
Black Cherry	214	344	474	(14)	113	(3)	337	(3)	0	(0)	738	(2)	(2)
White Ash	92	152	212	(10)	77	(3)	169	(3)	260	(3)	863	(1)	(1)
Hard Maple	149	240	331	(10)	92	(3)	291	(3)	443	(3)	579	(2)	(2)
Soft Maple	107	170	233	(18)	77	(3)	169	(3)	340	(3)	0	(0)	(0)
Yellow-poplar	83	154	225	(14)	77	(3)	154	(3)	260	(3)	0	(0)	(0)
Misc. Hardwoods	47	83	119	(12)	84	(2)	116	(2)	218	(2)			
White Pine	61	83	105	(6)	84	(2)	59	(1)	88	(1)			
Hemlock	57	86	115	(4)	84	(2)	59	(1)	88	(1)			

#n is the number of responses used to calculate the price statistics.

Conversion Factors:

Doyle Price=1.695 x International 1/4" Price

Scribner Price=1.150 x International 1/4" Price