

Chapter 20

Appendix. World Paper Production 2001 - 2012 (tonnes)

Regions	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Africa	3,655,820	3,706,273	3,765,252	4,104,096	3,778,037	3,932,437	4,147,837	4,139,737	3,507,477	3,815,477	3,475,477	3,721,963
Asia	102,951,021	102,951,021	109,526,900	117,813,100	124,423,962	138,241,795	148,491,773	154,706,283	158,414,796	170,121,999	176,988,475	180,801,105
of which												
China	32,140,000	37,800,000	43,000,000	49,500,000	56,000,000	65,000,000	73,500,000	79,800,000	86,400,000	92,700,000	99,300,000	102,500,000
Japan	30,717,000	30,686,000	30,457,000	30,891,000	30,953,000	31,097,000	31,268,000	30,628,000	26,268,000	27,364,000	26,609,000	26,370,000
Republic of Korea	9,332,000	9,812,000	10,148,000	10,511,000	10,549,000	10,703,000	10,932,000	9,890,000	9,726,000	11,022,000	11,368,000	11,368,000
Latin America and the Caribbean	15,105,539	15,519,009	16,152,297	17,500,580	18,534,937	18,635,566	18,783,352	19,208,364	19,385,196	19,773,267	20,176,139	20,176,139
of which												
Brazil	7,354,000	7,661,000	7,811,000	8,221,000	8,597,000	8,738,000	9,008,000	9,154,000	9,428,000	9,844,000	10,150,000	10,213,000
Europe	93,411,157	96,188,052	98,480,020	102,994,612	103,737,147	107,161,246	107,396,340	103,715,241	93,396,655	100,368,756	99,757,224	97,708,687
of which												
Finland	12,502,000	12,789,000	13,058,000	14,036,000	12,391,140	14,189,360	14,334,000	13,126,000	10,602,000	11,758,000	11,329,000	10,696,000
France	9,625,000	9,809,000	9,939,000	10,255,000	10,332,000	10,006,200	9,870,500	9,404,000	8,331,500	8,829,800	8,527,213	8,099,583
Germany	17,879,000	18,526,000	19,310,000	20,391,000	21,679,000	22,656,000	23,317,000	22,828,000	20,870,000	23,072,000	22,706,000	22,630,000
Sweden	10,534,000	10,724,000	11,061,600	11,589,000	11,775,000	12,066,000	11,511,100	11,663,000	10,932,000	11,410,000	11,298,000	11,416,000
Canada	19,834,000	20,073,000	19,964,000	20,462,000	19,498,000	18,189,000	17,367,000	15,789,000	12,823,000	12,755,000	12,057,000	10,755,000
Russian Federation	5,624,800	5,978,000	6,377,000	6,830,000	7,126,000	7,434,000	7,581,000	7,700,000	7,373,000	5,606,000	7,549,120	7,661,145
United States of America	81,248,828	81,879,072	80,712,166	82,084,368	83,697,335	84,316,937	83,915,965	80,178,382	71,355,455	77,689,080	76,430,822	75,533,121
Oceania	3,511,000	3,519,000	3,900,000	4,014,000	4,195,000	4,162,000	4,064,000	4,152,000	4,148,000	4,100,000	3,955,000	4,066,825
	325,342,165	329,813,427	338,877,635	355,802,756	364,990,418	382,072,981	391,747,267	389,589,007	370,403,579	394,229,579	400,389,257	400,423,985

NOTE: These figures are taken from the FAOSTAT Forest statistics (<http://faostat.fao.org/DesktopDefault.aspx?PageID=626&lang=en#ancor>). They show the sum for each area of the figures for production of newsprint, printing and writing paper other paper and paperboard. They were accessed on 8 and 9 January 2014.

Value of Chemical Output by Country/Region - billions of US \$

At current prices											
Country	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
United States	487.7	540.9	610.9	657.7	716.2	738.7	624.4	697.8	776.8	769.4	
Canada	32.7	38.2	40.2	44.0	44.9	46.5	35.1	41.8	56.7	46.5	
Mexico	36.7	41.5	48.3	51.5	54.8	61.0	47.7	52.9	58.3	60.2	
North America	557.1	620.5	699.3	753.2	815.8	846.2	707.2	792.5	891.7	876.2	
Brazil	45.5	60.3	72.3	82.6	103.5	112.2	100.9	128.5	157.3	153.0	
Brazil	69.2	76.0	83.6	95.7	103.8	116.8	113.5	120.0	138.0	141.0	
Other											
Latin America	114.8	136.3	160.8	178.3	207.3	229.0	214.4	248.5	295.3	293.9	
France	99.5	111.6	116.0	123.4	139.6	157.2	129.2	131.6	148.0	140.0	
Germany	148.0	167.8	175.9	190.4	225.0	247.3	204.9	225.3	259.9	237.4	
Italy	77.6	88.0	90.0	96.3	106.9	113.9	96.2	98.6	107.3	99.4	
United Kingdom	77.9	87.0	92.3	104.7	116.9	116.0	85.7	86.8	95.8	92.4	
Belgium	35.8	40.3	41.8	45.5	51.7	60.0	46.2	51.9	61.6	54.8	
Ireland	34.6	36.0	36.1	34.9	44.5	49.1	52.0	59.2	66.0	62.4	
The Netherlands	42.9	53.5	58.0	63.6	73.4	80.7	61.1	71.3	85.0	81.1	
Spain	42.5	49.2	52.6	56.9	66.4	73.9	64.1	68.3	78.1	73.2	
Sweden	15.6	17.4	18.4	20.2	21.6	22.0	18.4	20.2	24.8	25.4	
Switzerland	30.8	35.1	37.7	41.6	48.3	55.7	57.9	65.4	76.6	74.6	
Other	66.6	78.3	91.3	102.1	115.4	143.2	120.9	115.4	154.8	154.8	
Europe	671.8	764.2	810.1	879.6	1,009.7	1,119.0	936.6	994.0	1,157.9	1,095.5	
Russia	30.2	34.4	40.6	47.3	55.6	69.5	50.8	66.2	78.8	76.1	
Africa and Middle East	71.3	85.4	95.4	100.9	115.2	142.6	126.6	155.5	183.9	183.8	
Japan	216.9	241.7	249.5	249.5	258.3	299.5	277.3	323.1	368.0	357.3	
China	168.2	218.8	289.4	364.1	494.2	667.0	746.5	978.7	1,303.3	1,431.9	
India	38.8	47.1	55.3	62.6	78.1	92.5	92.4	115.5	134.5	130.8	
Australia	14.0	15.7	16.9	17.3	20.8	22.7	22.7	28.7	33.9	35.7	
Rep of Korea	61.9	75.9	89.1	100.7	113.9	122.5	108.5	138.5	169.4	176.3	
Singapore	16.3	23.3	25.5	33.1	36.6	37.8	31.7	43.9	58.0	61.4	
Chinese province of Taiwan	36.9	49.1	54.7	59.9	70.8	72.5	59.2	81.0	89.8	90.5	
Other	46.2	54.9	62.4	76.4	93.1	108.3	99.3	123.6	156.4	163.7	
Asia-Pacific	599.1	726.5	842.8	963.5	1,165.8	1,422.8	1,437.8	1,833.0	2,313.2	2,447.4	
Global Total	2,044.2	2,370.1	2,648.9	2,922.6	3,373.5	3,829.1	3,462.6	4,107.5	4,920.9	4,973.2	

At constant 2013 prices										
Country	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
United States	1,038.7	1,002.7	978.1	934.5	954.7	811.9	805.0	782.3	722.0	756.6
Canada	69.6	70.8	64.4	62.5	59.9	51.1	45.3	46.9	52.7	45.7
Mexico	78.2	76.9	77.3	73.2	73.1	67.0	61.5	59.3	54.2	59.2
North America	1,186.5	1,150.3	1,119.6	1,070.2	1,087.5	930.0	911.7	888.5	828.8	861.6
Brazil	96.9	111.8	115.8	117.4	138.0	123.3	130.1	144.1	146.2	150.5
Other	147.4	140.9	133.8	136.0	138.4	128.4	146.3	134.5	128.3	138.7
Latin America	244.5	252.7	257.5	253.3	276.3	251.7	276.4	278.6	274.5	289.0
France	211.9	206.9	185.7	175.3	186.1	172.8	166.6	147.5	137.6	137.7
Germany	315.2	311.1	281.6	270.5	299.9	271.8	264.2	252.6	241.6	233.5
Italy	165.3	163.1	144.1	136.8	142.5	125.2	124.0	110.5	99.7	97.7
United Kingdom	165.9	161.3	147.8	148.8	155.8	127.5	110.5	97.3	89.0	90.9
Belgium	76.2	74.7	66.9	64.7	68.9	65.9	59.6	58.2	57.3	53.9
Ireland	73.7	66.7	57.8	49.6	59.3	54.0	67.0	66.4	61.3	61.4
The Netherlands	91.4	99.2	92.9	90.4	97.8	88.7	78.8	79.9	79.0	79.8
Spain	90.5	91.2	84.2	80.8	88.5	81.2	82.6	76.6	72.6	72.0
Sweden	33.2	32.3	29.5	28.7	28.8	24.2	23.7	22.6	23.1	25.0
Switzerland	65.6	65.1	60.4	59.1	64.4	61.2	74.6	73.3	71.2	73.4
Other	141.8	145.2	146.2	145.1	153.8	157.4	155.9	129.4	143.9	152.2
Europe	1,430.8	1,416.7	1,297.0	1,249.8	1,346.0	1,229.8	1,207.5	1,114.4	1,076.2	1,077.3
Russia	64.3	63.8	65.0	67.2	74.1	76.4	65.5	74.2	73.2	74.8
Africa and Middle East	151.9	158.3	152.7	143.4	153.6	156.7	163.2	174.3	170.9	180.7
Japan	462.0	448.1	399.5	354.5	344.3	329.2	357.5	362.2	342.0	351.4
China	358.2	405.6	463.3	517.4	658.8	733.1	962.4	1,097.2	1,211.4	1,408.1
India	82.6	87.3	88.5	88.9	104.1	101.7	119.1	129.5	125.0	128.6
Australia	29.8	29.1	27.1	24.6	27.7	24.9	29.3	32.2	31.5	35.1
Rep. of Korea	131.8	140.7	142.7	143.1	151.8	134.6	139.9	155.3	157.5	173.4
Singapore	34.7	43.2	40.8	47.0	48.8	41.5	40.9	49.2	53.9	60.4
Chinese province of Taiwan	78.6	91.0	87.6	85.1	94.4	79.7	76.3	90.8	83.5	89.0
Other	98.4	101.8	99.9	108.6	124.1	119.0	128.0	138.6	145.4	161.0
Asia-Pacific	1,276.0	1,346.8	1,349.4	1,369.0	1,554.1	1,563.7	1,853.6	2,055.0	2,150.1	2,406.7
Global Total	4,353.8	4,393.7	4,241.1	4,152.7	4,497.0	4,208.4	4,464.0	4,604.9	4,573.8	4,890.6
P P Index	2.1298518	1.853808354	1.601061008	1.420903955	1.333038869	1.099053168	1.289192653	1.121099554	0.92947336	0.983382209

This information is based on the "Guide to the Business of Chemistry 2013" published by the American Chemistry Council Inc (ACC), and derived from data from: the Associação Brasileira da Indústria Química, the Mexican Asociación Nacional de la Industria Química, the USA Bureau of the Census, Statistics Canada, the United Nations, the Conseil Européen des Fédérations des Industries Chimiques (CEFIC), the German Verein der Chemischen Industrie (VCI) and estimates by the American Council of Chemistry.

The adjustment to constant 2013 prices has been made by the use of the Producers' Price Index (PP Index) of the USA Bureau of Labour Statistics for chemicals and allied products (<http://data.bls.gov/cgi-bin/surveymost> accessed 10 February 2014). Since chemicals are traded internationally, it was not judged necessary to adjust for differential growth in GDP.