

CEMENT STATISTICS¹
U.S. GEOLOGICAL SURVEY
[All values in metric tons (t) gross weight unless otherwise noted]
Last modification: April 1, 2014

Year	Production	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1900	2,680,400	411,440	17,200	NA	3,074,600	4.00	78.00	NA
1901	3,202,400	161,850	64,500	NA	3,299,800	4.50	88.00	NA
1902	4,147,600	338,350	58,800	NA	4,427,100	5.34	100.00	NA
1903	4,898,000	388,170	49,100	NA	5,237,100	5.88	110.00	NA
1904	5,282,700	166,850	134,000	NA	5,315,900	4.79	87.00	NA
1905	6,750,300	154,610	155,000	NA	6,750,100	5.26	95.00	NA
1906	8,643,600	391,790	100,000	NA	8,934,900	6.16	110.00	NA
1907	8,897,800	350,420	155,000	NA	9,092,900	6.14	110.00	NA
1908	9,059,000	145,130	146,000	NA	9,058,200	4.93	89.00	NA
1909	11,437,000	76,530	182,000	NA	11,332,000	4.76	86.00	NA
1910	13,366,000	52,916	427,000	NA	12,992,000	5.33	93.00	NA
1911	13,678,000	28,440	540,000	1,791,000	13,166,000	5.32	93.00	NA
1912	14,337,000	11,893	727,000	1,347,000	13,623,000	4.99	84.00	NA
1913	15,994,000	14,651	511,000	1,935,000	15,498,000	6.06	99.80	NA
1914	15,322,000	20,856	369,000	2,202,000	14,974,000	5.54	90.30	NA
1915	14,919,000	7,239	442,000	1,976,000	14,484,000	5.18	83.60	NA
1916	15,890,000	345	442,000	1,441,000	15,448,000	6.61	98.80	NA
1917	16,085,000	345	446,000	1,785,000	15,639,000	8.14	104.00	NA
1918	12,311,000	52	388,000	1,802,000	11,923,000	9.65	104.00	NA
1919	13,995,000	1,551	425,000	906,000	13,572,000	10.30	97.20	NA
1920	17,163,000	90,492	509,000	1,507,000	16,744,000	12.10	98.80	NA
1921	16,950,000	20,813	201,000	2,080,000	16,769,000	11.20	102.00	NA
1922	19,729,000	60,734	192,000	1,595,000	19,597,000	10.40	101.00	NA
1923	23,661,000	301,450	171,000	1,845,000	23,791,000	11.10	106.00	NA
1924	25,715,000	345,290	150,000	2,414,000	25,910,000	10.50	100.00	NA
1925	27,866,000	625,590	174,000	3,153,000	28,318,000	10.20	95.00	NA
1926	28,420,000	553,430	166,000	3,569,000	28,807,000	9.89	91.10	62,400,000
1927	29,903,000	349,730	139,000	3,856,000	29,540,000	9.43	88.30	67,800,000
1928	30,445,000	392,720	141,000	3,906,000	30,231,000	9.11	86.80	72,200,000
1929	29,481,000	297,700	151,000	4,076,000	29,202,000	8.66	82.50	74,900,000
1930	27,798,000	167,990	129,000	4,437,000	27,227,000	8.42	82.20	72,300,000
1931	21,604,000	80,159	73,300	4,191,000	21,745,000	6.51	69.80	62,100,000
1932	13,166,000	79,818	64,000	3,453,000	13,729,000	5.95	70.80	49,300,000
1933	10,913,000	81,353	116,000	3,334,000	10,860,000	7.83	98.20	48,200,000
1934	13,375,000	45,367	96,500	3,658,000	12,877,000	9.06	110.00	58,300,000
1935	13,260,000	105,570	70,900	3,935,000	12,745,000	8.81	105.00	65,400,000
1936	19,523,000	282,940	57,100	3,850,000	19,129,000	8.61	101.00	62,800,000
1937	20,138,000	323,020	64,600	4,250,000	19,469,000	8.45	95.60	82,700,000
1938	18,279,000	294,540	95,200	4,093,000	18,211,000	8.26	95.50	85,900,000
1939	21,212,000	326,430	195,000	4,034,000	21,046,000	8.43	98.90	93,000,000
1940	22,575,000	91,756	284,000	3,986,000	21,793,000	8.45	98.40	81,000,000
1941	28,387,000	7,334	436,000	3,406,000	28,378,000	8.61	95.50	88,000,000
1942	31,496,000	110	188,000	2,965,000	31,045,000	8.89	88.90	80,900,000
1943	22,901,000	2,388	295,000	3,956,000	21,226,000	9.16	86.30	71,200,000
1944	15,542,000	0	689,000	3,404,000	15,497,000	9.60	88.90	54,900,000
1945	17,537,000	55	1,100,000	2,836,000	17,378,000	9.56	86.50	49,500,000
1946	28,102,000	682	881,000	1,891,000	19,493,000	10.10	84.30	72,500,000
1947	31,995,000	853	1,150,000	1,733,000	32,634,000	11.10	81.40	85,800,000
1948	35,210,000	48,266	1,010,000	1,928,000	35,856,000	12.80	86.50	102,000,000
1949	35,939,000	18,761	778,000	2,545,000	36,265,000	13.50	92.40	115,000,000
1950	38,724,000	237,750	412,000	2,270,000	40,891,000	13.80	93.20	133,000,000

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Year	Production	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1951	41,825,000	151,960	500,000	3,109,000	42,695,000	14.90	93.40	149,000,000
1952	42,394,000	81,182	541,000	2,737,000	44,335,000	14.90	91.60	161,000,000
1953	45,021,000	65,321	435,000	3,312,000	46,047,000	15.70	95.90	178,000,000
1954	46,434,000	76,740	317,000	2,827,000	48,897,000	16.30	98.80	194,900,000
1955	52,994,000	810,630	306,000	2,982,000	53,589,000	17.00	103.00	217,300,000
1956	56,153,000	677,600	338,000	3,822,000	55,225,000	18.10	108.00	235,400,000
1957	52,574,000	734,220	227,000	4,903,000	51,638,000	18.80	109.00	246,900,000
1958	54,831,000	576,290	109,000	5,230,000	54,542,000	19.20	108.00	262,500,000
1959	59,764,000	896,930	47,200	5,362,000	59,899,000	19.40	108.00	294,300,000
1960	56,063,000	700,620	31,900	6,082,000	55,526,000	19.80	109.00	316,500,000
1961	56,718,000	617,560	48,800	6,211,000	56,826,000	19.60	107.00	333,200,000
1962	58,908,000	880,210	64,800	5,557,000	58,983,000	19.40	105.00	358,500,000
1963	61,733,000	678,450	78,600	6,736,000	63,648,000	18.90	101.00	378,000,000
1964	64,379,000	599,830	122,000	6,781,000	66,149,000	18.90	99.30	415,600,000
1965	65,078,000	874,410	128,000	5,618,000	67,589,000	18.70	96.50	433,400,000
1966	67,146,000	1,094,600	182,000	6,941,000	68,490,000	18.50	92.90	464,200,000
1967	64,449,000	985,440	167,000	7,083,000	67,459,000	18.60	90.70	479,800,000
1968	68,791,000	1,231,000	161,000	7,892,000	71,220,000	18.70	87.60	515,200,000
1969	71,086,000	1,548,400	100,000	7,129,000	71,101,000	18.90	84.11	543,100,000
1970	67,427,000	1,991,300	144,000	7,574,000	67,476,000	19.70	82.80	571,800,000
1971	71,054,000	2,141,000	99,800	6,425,000	72,842,000	21.00	84.34	590,000,000
1972	74,931,000	2,921,100	91,600	7,036,000	76,768,000	22.70	88.50	661,000,000
1973	77,576,000	3,577,000	295,000	5,512,000	81,941,000	24.50	89.96	702,000,000
1974	73,688,000	3,540,700	263,000	7,467,000	74,844,000	29.50	97.64	703,200,000
1975	61,815,000	2,263,400	448,000	6,930,000	63,608,000	34.60	104.90	702,200,000
1976	66,179,000	1,945,900	423,000	7,154,000	67,509,000	37.80	108.20	735,400,000
1977	70,939,000	2,180,000	217,000	6,041,000	73,427,000	40.50	109.00	797,100,000
1978	76,190,000	3,292,200	52,600	5,320,000	79,288,000	45.40	113.50	853,000,000
1979	76,649,000	4,304,600	137,000	6,600,000	78,964,000	51.40	115.40	872,400,000
1980	68,242,000	3,035,400	169,000	6,825,000	70,173,000	56.60	111.90	883,100,000
1981	65,054,000	2,513,800	275,000	6,688,000	66,092,000	57.80	103.70	886,700,000
1982	57,475,000	2,230,800	184,000	6,753,000	59,572,000	56.70	95.80	887,400,000
1983	63,884,000	2,960,100	107,000	6,711,000	65,838,000	55.60	91.00	916,600,000
1984	70,488,000	6,015,500	72,600	6,866,000	76,186,000	57.20	89.70	941,100,000
1985	70,665,000	8,939,400	88,900	7,232,000	78,836,000	55.90	84.70	959,400,000
1986	71,473,000	11,201,000	53,500	6,725,000	82,837,000	54.80	81.50	1,008,000,000
1987	70,940,000	12,753,000	47,200	6,159,000	84,204,000	54.40	78.10	1,053,000,000
1988	69,733,000	14,124,000	91,600	5,997,000	83,851,000	54.80	75.50	1,118,000,000
1989	70,025,000	12,697,000	464,000	5,715,000	82,414,000	54.80	72.00	1,042,000,000
1990	69,954,000	10,344,000	503,000	5,637,000	80,964,000	55.30	69.00	1,043,000,000
1991	66,755,000	6,548,000	633,000	6,009,000	71,800,000	55.50	66.40	1,185,000,000
1992	69,585,000	4,582,000	746,000	5,272,000	76,169,000	55.30	64.30	1,123,000,000
1993	73,807,000	5,532,000	625,000	4,788,000	79,701,000	56.40	63.60	1,291,000,000
1994	77,948,000	9,074,000	633,000	4,701,000	86,476,000	61.90	68.10	1,370,000,000
1995	76,906,000	10,969,000	759,000	5,814,000	86,003,000	67.80	72.60	1,445,000,000
1996	79,266,000	11,565,000	803,000	5,488,000	90,355,000	70.90	73.60	1,493,000,000
1997	82,582,000	14,523,000	791,000	5,784,000	96,018,000	73.50	74.60	1,547,000,000
1998	83,931,000	19,878,000	743,000	5,393,000	103,457,000	76.50	76.50	1,540,000,000
1999	85,952,000	24,578,000	694,000	6,367,000	108,862,000	78.30	76.60	1,600,000,000
2000	87,846,000	24,561,000	738,000	7,566,000	110,470,000	78.60	74.40	1,660,000,000
2001	88,900,000	23,694,000	746,000	6,600,000	112,800,000	76.50	70.40	1,750,000,000

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2002	89,732,000	22,198,000	834,000	7,680,000	110,020,000	76.00	68.90	1,850,000,000
2003	92,843,000	21,015,000	837,000	6,610,000	114,090,000	75.00	66.40	2,020,000,000
2004	97,434,000	25,396,000	749,000	6,710,000	121,980,000	79.50	68.60	2,190,000,000
2005	99,319,000	30,403,000	766,000	7,450,000	128,250,000	91.00	76.00	2,350,000,000
2006	98,167,000	32,141,000	723,000	9,380,000	127,660,000	101.50	82.10	2,620,000,000
2007	95,464,000	21,496,000	886,000	8,890,000	116,550,000	104.00	81.80	2,810,000,000
2008	86,310,000	10,744,000	823,000	8,360,000	96,760,000	103.50	78.40	2,850,000,000
2009	63,929,000	6,211,000	884,000	6,080,000	71,540,000	99.00	75.20	3,040,000,000
2010	66,447,000	6,013,000	1,178,000	6,180,000	71,190,000	92.00	68.80	3,290,000,000
2011	67,895,000	5,812,000	1,414,000	6,270,000	72,200,000	89.50	64.90	3,630,000,000
2012	74,151,000	6,107,000	1,749,000	6,920,000	77,900,000	89.50	63.60	3,800,000,000

NA Not available.

¹Compiled by T.D. Kelly and H.G. van Oss.

Data are calculated, estimated, or reported. See notes for more information.

Cement Worksheet Notes

Data Sources

The sources of data for the cement worksheet are the mineral statistics publications of the U.S. Bureau of Mines (USBM) and the U.S. Geological Survey—Minerals Yearbook (MYB) and its predecessor, Mineral Resources of the United States (MR). The years of publication and corresponding years of data coverage are listed in the References section below.

Production

Production data report the sum of portland (including blended), natural, masonry, and slag or pozzolanic cement (all hydraulic cement) as published in the MYB and the MR. Beginning in 1922, the term masonry cement was introduced as a category of hydraulic cement consisting of natural and pozzolanic cements as well as masonry cement to prevent the reporting of proprietary data. In recent decades, slag cement (ground granulated blast furnace slag) and other pozzolanic cements, except as included with blended (hence portland) cement, are excluded, as are natural cements (production is tiny), and aluminous cement. Masonry cement is now a group of cements including true masonry cement, mortar cements, portland-lime cements, plastic cements, and certain stucco cements.

Imports

Import data prior to 1950 are assumed to include clinker. Original footnotes indicate a change in USBM reporting methods for imports, beginning in 1954. Data do not allow calculation of clinker imports prior to 1950. Import data for hydraulic cement were from the published values in the MYB and the MR.

Exports

Export data include hydraulic cement and clinker. Data were from the MYB and the MR.

Stocks

Yearend stocks of cement at mills and terminals were from the MYB and the MR. Stocks data were not available from 1900–10.

Apparent Consumption

Apparent consumption of hydraulic cement was from the MYB and the MR.

Unit Value (\$/t)

Unit value is defined as the value of 1 metric ton (t) of cement apparent consumption in current dollars. For 1900–44, unit value is estimated from the weighted-average production values of pozzolanic cement, natural cement, and portland cement. From 1945 to the most recent year, the reported bulk value at the mill is used to estimate unit value. The reported bulk value at the mill is a weighted-average value of all forms of portland cement and masonry cement. All values and prices were from the MYB and the MR.

Unit Value (98\$/t)

The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars.

World Production

World production of hydraulic cement (all types) was from the MYB and the MR. World production statistics were not available from 1900–25.

References

- U.S. Bureau of Mines, 1927–34, Mineral Resources of the United States, 1924–31.
- U.S. Bureau of Mines, 1933–96, Minerals Yearbook, 1932–94.
- U.S. Geological Survey, 1901–27, Mineral Resources of the United States, 1900–23.
- U.S. Geological Survey, 1995–present, Minerals Yearbook, v. I. (Available via <http://minerals.usgs.gov/minerals>).

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For more information, please contact:

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