

VERMICULITE STATISTICS¹
U.S. GEOLOGICAL SURVEY

[All values in metric tons (t) vermiculite unless otherwise noted]

Last modification: December 4, 2007

Year	Primary production	Imports	Exports	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1924	2			2	37.50	357	
1925	93			93	30.50	285	
1926	136			136	27.60	253	
1927	46			46	28.70	268	
1928	913			913	41.80	398	
1929	891			891	27.50	262	
1930	754			754	18.20	178	
1931	1,140			1,140	21.70	233	
1932	1,490			1,490	11.40	136	
1933	2,040			2,040	10.80	135	
1934	4,310			4,310	13.20	161	
1935	6,410			6,410	13.80	164	
1936	15,400			15,400	12.10	142	
1937	24,100			24,100	10.80	122	
1938	18,800			18,800	10.20	118	
1939	19,200			19,200	9.10	107	
1940	20,200			20,200	6.80	79.20	
1941	21,300			21,300	5.90	65.40	
1942	52,500			52,500	6.10	61.00	
1943	42,300			42,300	11.10	105	
1944	49,100			49,100	11.00	102	
1945	58,800			58,800	11.00	100	
1946	78,400			78,400	11.10	92.50	
1947	119,000			119,000	11.20	81.80	
1948	126,000			126,000	11.00	74.30	126,000
1949	153,000			153,000	11.00	75.30	159,000
1950	189,000	15,000		204,000	11.20	75.70	232,000
1951	190,000	9,000		199,000	14.10	88.10	232,000
1952	190,000	7,300		197,000	14.00	85.90	226,000
1953	172,000	6,300		178,000	14.20	86.60	203,000
1954	177,000	6,900		184,000	14.30	86.70	220,000
1955	185,000	9,700		195,000	14.60	89.00	239,000
1956	175,000	7,300		182,000	14.60	87.40	230,000
1957	167,000	5,900		173,000	15.60	90.70	225,000
1958	173,000	7,400		181,000	15.70	88.70	223,000
1959	188,000	11,000		199,000	16.40	91.60	236,000
1960	181,000	11,000		192,000	17.20	94.50	244,000
1961	187,000	12,000		199,000	17.90	97.80	256,000
1962	186,000	14,000		200,000	17.70	95.70	268,000
1963	205,000	13,000		218,000	17.40	92.60	298,000
1964	205,000	17,000		222,000	17.60	92.60	311,000
1965	226,000	15,000		241,000	19.70	102	344,000
1966	238,000	7,700		245,000	20.80	105	346,000
1967	231,000	14,000		246,000	21.50	105	336,000
1968	263,000	9,600		273,000	21.60	101	382,000
1969	281,000	5,900		287,000	24.20	107	423,000
1970	259,000	11,000		269,000	25.10	105	391,000
1971	273,000	16,000		289,000	26.40	106	416,000
1972	297,000	24,000		320,000	26.50	103	465,000
1973	331,000	27,000		358,000	28.60	105	498,000
1974	309,000	38,000	40,000	308,000	32.70	108	505,000
1975	299,000	30,000	41,000	288,000	46.00	139	533,000

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1976	276,000	36,000	37,000	275,000	50.80	146	523,000
1977	326,000	36,000	41,000	321,000	57.10	154	520,000
1978	306,000	25,000	32,000	299,000	64.40	161	542,000
1979	314,000	24,000	30,000	308,000	70.00	157	540,000
1980	306,000	24,000	27,000	302,000	76.90	152	538,000
1981	290,000	24,000	28,000	287,000	90.30	162	523,000
1982	287,000	19,000	20,000	286,000	99.40	168	508,000
1983	256,000	22,000	17,000	260,000	106	173	444,000
1984	286,000	29,000	20,000	295,000	110	173	494,000
1985	285,000	34,000	21,000	298,000	113	171	505,000
1986	288,000	32,000	23,000	297,000	120	178	621,000
1987	275,000	29,000	18,000	284,000	120	172	659,000
1988	276,000	32,000	18,000	290,000	123	169	644,000
1989	249,000	50,000	18,000	281,000	122	160	615,000
1990	209,000	45,000	18,000	236,000	91.00	113	572,000
1991	180,000	38,000	10,000	208,000	79.00	94.50	513,000
1992	190,000	40,000	8,000	222,000	111	129	456,000
1993	190,000	30,000	7,000	213,000	111	125	490,000
1994	177,000	30,000	7,000	200,000	111	122	485,000
1995	171,000	30,000	6,000	195,000	111	119	486,000
1996	170,000	48,000	8,000	210,000	111	115	280,000
1997		67,000	9,000	228,000	111	113	301,000
1998	150,000	68,000	11,000	207,000	118	118	328,000
1999	150,000	71,000	13,000	208,000	118	115	541,000
2000	150,000	59,000	5,000	204,000	143	135	521,000
2001	110,000	65,000	7,000	170,000	143	132	431,000
2002	100,000	56,000	10,000	150,000	143	130	498,000
2003	110,000	37,000	15,000	130,000	143	127	491,000
2004	100,000	69,000	10,000	160,000	143	123	513,000
2005	100,000	91,000	5,000	185,000	143	119	521,000
2006	100,000	65,000	5,000	160,000	138	112	520,000

¹Compiled by C.A. DiFrancesco (retired) and M.J. Potter.

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

Vermiculite Worksheet Notes

Data Sources

Data sources for the vermiculite worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey (USGS)—Minerals Yearbook (MYB) and its predecessor, Mineral Resources of the United States (MR), and Mineral Commodity Summaries (MCS) and its predecessor, Commodity Data Summaries (CDS). Other sources include the British Geological Survey (BGS) (1996), Industrial Minerals (IM) (1994), Moeller in Mining Engineering (ME) (1999), and estimates made by the USGS mineral commodity specialist (EST). The years of publication and corresponding years of data coverage are listed in the References section below. Blank cells in the worksheet indicate that data either were not available or were withheld because they are proprietary.

Production

U.S. production data report the amount of vermiculite (concentrate) sold and used. Data were from the MR and MYB for the years 1924–54, the CDS and the MCS for the years 1955–95, BGS for 1996, ME for 1998–99, and the MYB and EST for the years 2000–06. Data was withheld for the year 1997 in order to avoid disclosing proprietary data.

Imports

Import data report the amounts of vermiculite (concentrate) imported into the United States. Data were from the MYB for the years 1950–54, the CDS and the MCS for the years 1955–99, and the MYB and EST for the years 2000–06. Blank cells in the worksheet indicate that data were not available for the years 1924–49.

Exports

Export data report the amounts of vermiculite (concentrate) exported from the United States. Data were from the CDS and the MCS. Blank cells in the worksheet indicate that data were not available for the years 1924–73.

Apparent Consumption

Data for U.S. apparent consumption are for vermiculite (concentrate). Apparent consumption was estimated for the years 1924–73 by using the formula:

$$\text{APPARENT CONSUMPTION} = \text{PRODUCTION} + \text{IMPORTS} - \text{EXPORTS}.$$

Data for the years 1974–96 were from the CDS and MCS and from EST for the years 1997–2006. Data for the years 2001–04 were rounded to two significant digits.

Unit Value (\$/t)

Unit value is the value in dollars of 1 metric ton (t) of vermiculite (concentrate) apparent consumption. Unit value was estimated for the United States in actual dollars for prices for vermiculite (concentrate) sold and used. Data were from the MR and MYB for the years 1924–54, the CDS and the MCS for the years 1955–91 and 2000–06, and ME for 1998–99. An average price for the years 1992–97 was recorded from the IM.

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 data were for vermiculite (concentrate). World production for the years 1996–98 excludes U.S. production (sold or used). Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1924–47.

References

- Industrial Minerals, 1994, Prices: Industrial Minerals, no. 327, December, p. 63.
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- Stockwell, L.E., Hillier, J.A., Mills, A.J., White, R., and Chapman, G.R., comps., 2001, World mineral statistics 1995–99—
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