

THALLIUM STATISTICS
By Carl A. DiFrancesco and Gerald R. Smith
[All values in metric tons (t) unless otherwise noted]
Last modification: January 28, 2004

Year	Production	Imports	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1942				22,000	220,000	
1943				22,000	208,000	
1944				24,300	225,000	
1945				27,600	251,000	
1946				30,900	258,000	
1947				39,700	290,000	
1948				33,100	224,000	
1949				30,900	212,000	
1950				27,600	186,000	
1951				27,600	173,000	
1952				27,600	169,000	
1953				27,600	168,000	
1954				27,600	167,000	
1955				27,600	168,000	
1956				27,600	165,000	
1957				27,600	160,000	
1958				16,500	93,200	
1959				16,500	92,200	
1960				16,500	90,700	
1961				16,500	90,200	
1962				16,500	89,200	
1963				16,500	87,800	
1964		4.06		16,500	86,800	
1965		2.74		16,500	85,500	
1966		1.20		16,500	82,900	
1967		0.849		16,500	80,500	
1968		0.81		16,500	77,500	
1969		2.28	2.50	16,500	73,300	
1970		1.31	2.80	16,500	69,300	
1971		0.967	1.80	16,500	66,400	
1972		1.00	1.10	16,500	64,400	
1973	0.907	0.859	0.64	16,500	60,600	
1974	0.907	0.61	0.82	16,500	54,500	
1975	0.907	0.561	0.82	16,500	50,000	
1976	0.907	0.315	0.84	16,500	47,300	
1977	0.907	0.084	0.91	16,500	44,400	
1978	0	0.216	0.68	16,500	41,300	
1979	0	0.344	0.82	16,500	37,000	
1980	0	0.068	1.90	16,500	32,600	13
1981	0	0.342	1.10	88,200	158,000	13
1982	0	1.15	1.10	88,200	149,000	13
1983	0	1.27	1.30	88,200	144,000	13
1984	0	1.15	1.10	77,200	121,000	14
1985	0	1.04	1.00	88,200	134,000	15
1986	0	1.15	1.10	88,200	131,000	15
1987	0	1.34	1.40	132,000	189,000	15
1988	0	0.707	0.91	176,000	242,000	16
1989	0	1.17	0.95	551,000	724,000	16
1990	0	0.450	0.70	584,000	728,000	15
1991	0	1.01	0.85	617,000	738,000	15
1992	0	0.838	0.80	750,000	871,000	15
1993	0	0.273	0.30	794,000	896,000	15

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Year	Production	Imports	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1994	0	0.630	0.63	948,000	1,040,000	15
1995	0	1.18	0.70	1,100,000	1,180,000	15
1996	0	0.166	0.30	1,200,000	1,250,000	15
1997	0	0.168	0.30	1,280,000	1,300,000	15
1998	0	0.104	0.10	1,280,000	1,280,000	15
1999	0	0.838	0.84	1,295,000	1,267,000	15
2000	0	0.100	0.10	1,295,000	1,226,000	15
2001	0	2.11	0.80	1,295,000	1,192,000	15
2002	0	0.307	0.50	1,250,000	1,132,000	15

Thallium Worksheet Notes

Data Sources

The sources of data for the thallium worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Mineral Facts and Problems (MFP); Mineral Commodity Summaries (MCS) and its predecessor, Commodity Data Summaries (CDS); and Metal Prices in the United States through 1998 (MP98). 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

Production data report thallium production in the United States. Data were from the MFP. Blank cells in the worksheet for the years 1964–72 indicate that data were withheld in order to avoid disclosing proprietary data. Blank cells for 1942–63 indicate that data were not available. Values for the years 1978–83 were rounded down to zero as they were less than 1/2 ton.

Imports

Import data report the amount of thallium imported into the United States. Data were from the MFP for the years 1964–83 and the MCS for the years 1984–2002. Blank cells in the worksheet indicate that data were not available for the years 1942–63.

Apparent Consumption

Consumption reported in the CDS and MCS were used for apparent consumption for the years 1969–2002, because of the number of W's and blanks in the production field. Blank cells in the worksheet indicate that data were not available for the years 1942–68.

Unit Value (\$/t)

Unit value is the value in dollars of 1 metric ton (t) of thallium apparent consumption. Unit value was estimated in actual dollars for 1942–98 from a price series for domestic thallium from MP98, and from the MCS for the years 1999–2002.

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 thallium produced. Data were from the MCS. Blank cells in the worksheet indicate that data were not available for the years 1942–79.

References

- U.S. Bureau of Mines, 1974–77, Commodity Data Summaries, 1974–77.
- U.S. Bureau of Mines, 1976, Mineral Facts and Problems, 1975 ed.: U.S. Bureau of Mines Bulletin 667.
- U.S. Bureau of Mines, 1978–95, Mineral Commodity Summaries, 1978–95.
- U.S. Bureau of Mines, 1980, Mineral Facts and Problems, 1980 ed.: U.S. Bureau of Mines Bulletin 671.
- U.S. Bureau of Mines, 1985, Mineral Facts and Problems, 1985 ed.: U.S. Bureau of Mines Bulletin 675.
- U.S. Geological Survey, 1997–2004, Mineral Commodity Summaries, 1997–2004.
- U.S. Geological Survey, 1999, Metal Prices in the United States through 1998.
- U.S. Geological Survey and U.S. Bureau of Mines, 1996, Mineral Commodity Summaries, 1996.

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