

ANTIMONY STATISTICS¹

U.S. GEOLOGICAL SURVEY

[All values are in metric tons (t) antimony content unless otherwise noted]

Last modification: October 28, 2008

Year	Mine production	Smelter production	Primary production	Secondary production	Shipments	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1900	137	2,250	2,380			4,890			5,490	209	4,100	7,710
1901	45	2,030	2,070			3,880			4,060	182	3,600	7,890
1902	596	2,640	3,230			6,800			5,650	135	2,500	8,550
1903	517	2,320	2,840			6,770			4,970	132	2,400	8,140
1904	441	2,330	2,770			4,080			4,320	140	2,500	8,000
1905	447	2,490	2,940			4,710			6,530	227	4,100	8,000
1906	367	1,240	1,600			7,600			7,520	478	8,700	14,500
1907	318	1,420	1,730			7,160			7,700	326	5,700	15,000
1908	0	2,040	2,040			5,830			7,480	176	3,200	16,000
1909	0	2,140	2,140	1,410		6,340			8,700	165	3,000	15,000
1910	0	2,020	2,020	2,520		5,370			6,790	163	2,900	15,000
1911	0	2,050	2,050	2,150		5,710			7,020	166	2,900	15,500
1912	0	1,770	1,770	2,270		7,890			8,830	171	2,900	24,200
1913	0	2,280	2,280	2,450		8,380			10,200	166	2,730	24,500
1914	0	2,450	2,450	2,400		8,370			10,500	193	3,130	23,600
1915	1,910	2,960	4,870	2,810		8,460	1,430		13,000	668	10,700	43,200
1916	1,610	3,170	4,780	4,060		10,800	1,490	1,050	13,200	560	8,360	81,600
1917	354	4,720	5,070	4,500		16,300	449	1,410	18,100	456	5,800	57,200
1918	45	4,700	4,750	4,740		14,800	640	4,130	15,900	278	3,010	30,800
1919	0	1,760	1,760	3,990		7,230	198		9,980	180	1,700	11,800
1920	0	1,840	1,840	5,080		11,000	406		14,300	187	1,520	29,000
1921	0	1,440	1,440	4,280		9,740	136		14,800	109	991	18,300
1922	4	1,310	1,310	6,430		9,450	19		15,300	121	1,170	18,900
1923	9	1,970	1,980	7,280		9,910	7		12,000	174	1,660	17,600
1924	30	2,510	2,540	8,530		8,570	127		10,000	238	2,270	17,500
1925	30	2,380	2,410	9,830		12,000	85		14,000	386	3,570	25,500
1926	39	2,440	2,480	14,700		15,800	167	873	17,500	351	3,220	29,000
1927	0	2,480	2,480	11,200		13,500	329	1,610	14,700	271	2,530	28,000
1928	38	3,110	3,150	10,800		13,900	543	1,330	15,700	227	2,160	28,500
1929	0	4,480	4,480	10,100		15,100	462	1,330	16,800	197	1,880	31,600
1930	0	2,690	2,690	7,330		9,040	447	640	9,860	169	1,660	23,600
1931	0	4,730	4,730	7,170		8,490	632	637	9,430	148	1,580	15,600
1932	380	3,970	4,350	5,850		3,330	112	640	3,880	124	1,480	17,300
1933	533	2,710	3,250	6,710		4,920	89	474	5,460	144	1,810	20,200
1934	367	4,150	4,520	6,850		4,850	365	517	6,590	197	2,400	22,600
1935	507	4,420	4,930	8,710		7,060	288	753	7,580	306	3,630	29,800
1936	685	6,380	7,070	8,980		12,800	356	402	13,600	271	3,190	35,300

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1937	1,150	7,530	8,680	11,200		15,200	396	595	16,400	340	3,860	38,600
1938	590	2,550	3,140	7,710		8,750	645	313	10,500	273	3,160	33,900
1939	357	1,840	2,200	8,900		9,880	53	621	10,500	273	3,200	38,800
1940	448	14,800	15,300	10,400		14,600	250	3,100	16,300	309	3,590	46,300
1941	1,100	21,800	22,900	19,600		24,900	64	377	27,200	309	3,420	49,000
1942	2,670	18,200	20,800	16,500		19,600	209	22,200	21,600	344	3,440	51,400
1943	5,040	21,800	26,800	14,000	5,040	26,900	264	32,100	17,700	351	3,310	53,200
1944	4,300	22,400	26,700	14,400	4,300	15,700	676	20,300	21,600	348	3,220	36,000
1945	1,750	22,800	24,600	15,600	1,750	21,100	302	19,900	26,100	348	3,160	27,000
1946	2,270	14,200	16,500	17,300	2,270	7,710	419	12,600	15,900	381	3,180	26,000
1947	4,820	17,000	21,800	20,900	4,820	13,700	733	12,100	15,100	739	5,390	38,000
1948	5,890	18,200	24,100	19,600	5,420	15,500	297	12,400	14,000	809	5,470	45,000
1949	1,480	10,400	11,900	16,400	1,480	8,550	440	5,510	10,200	853	5,840	37,000
1950	2,270	12,700	14,900	19,800	2,270	13,900	140	8,060	13,800	648	4,380	50,000
1951	3,150	16,500	19,700	21,700	3,150	14,200	152	8,120	15,800	974	6,130	65,000
1952	1,960	14,700	16,600	20,900	1,960	11,600	146	6,990	13,600	926	5,680	44,500
1953	337	10,600	10,900	20,300	337	11,700	22	7,440	15,500	791	4,820	33,600
1954	695	10,400	11,100	20,300	695	8,680	40	7,170	13,500	672	4,070	39,900
1955	574	10,600	11,200	21,500	574	13,100	192	8,090	14,400	710	4,330	46,300
1956	535	13,800	14,300	21,900	1,570	12,300	59	7,640	14,500	772	4,620	53,500
1957	643	13,100	13,800	20,500	230	13,800	62	6,700	11,200	774	4,470	50,800
1958	640	10,300	10,900	18,000	347	8,960	78	6,580	10,800	701	3,960	46,300
1959	615	9,680	10,300	18,200	132	12,000	158	6,480	12,100	690	3,850	53,300
1960	576	10,500	11,000	18,200	985	13,200	822	6,470	12,000	690	3,790	53,300
1961	625	12,000	12,600	17,700	1,490	12,600	40	5,850	11,500	747	4,060	51,900
1962	572	12,700	13,300	17,500	664	15,300	41	5,840	14,000	767	4,120	53,700
1963	585	12,700	13,300	18,900	456	16,100	130	6,410	15,000	767	4,080	58,000
1964	573	13,900	14,500	20,300	716	15,200	732	6,620	14,400	930	4,890	63,000
1965	767	13,000	13,800	22,100	769	13,500	13	7,820	15,300	1,010	5,210	63,000
1966	841	15,100	16,000	22,000	844	17,900	26	7,770	17,900	1,010	5,080	61,400
1967	809	12,900	13,700	21,500	751	15,800	74	7,580	15,700	1,010	4,930	58,400
1968	777	13,200	13,900	21,500	854	15,700	99	6,010	16,800	1,010	4,740	61,500
1969	851	13,900	14,700	21,600	855	15,500	188	5,750	16,200	1,270	5,650	66,200
1970	1,030	13,200	14,200	19,400	934	16,900	493	8,030	32,100	3,170	13,300	70,000
1971	930	11,400	12,300	19,000	973	12,300	928	7,840	31,400	1,570	6,320	64,100
1972	444	13,100	13,500	20,300	64	21,500	110	7,820	42,300	1,300	5,070	68,100
1973	494	16,700	17,200	21,800	3,710	19,300	467	9,140	43,500	1,510	5,540	69,300

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1974	600	16,100	16,700	21,400	1,720	20,100	790	10,600	41,500	4,010	13,300	70,500
1975	78	11,600	11,700	16,300		17,000	308	13,600	32,600	3,900	11,800	67,900
1976	257	13,900	14,200	18,000		19,800	309	13,700	35,600	3,640	10,400	69,200
1977	553	12,500	13,000	27,800		12,100	673	7,790	41,900	3,920	10,500	72,200
1978	724	13,500	14,200	24,000		15,900	504	7,450	36,800	2,540	6,350	68,800
1979	655	13,900	14,600	21,900		20,100	440	6,480	20,700	3,110	6,990	71,900
1980	311	14,600	14,900	18,000		16,300	1,240	7,630	29,900	3,330	6,590	67,200
1981	914	16,200	17,100	18,000		16,300	704	8,310	31,900	3,000	5,380	59,200
1982	456	11,100	11,600	15,100	19	12,100	1,060	5,420	28,100	2,360	3,990	53,800
1983	760	13,200	14,000	12,900	1,690	11,700	607	3,570	27,000	2,010	3,290	48,400
1984	505	16,000	16,500	13,400	63	20,900	899	6,260	30,200	3,330	5,230	53,400
1985		14,900	14,900	13,600	8,240	18,700	1,130	5,480	31,800	2,890	4,380	55,000
1986		16,300	16,300	14,100	417	23,000	1,070	5,560	35,200	2,690	4,000	59,900
1987		17,900	17,900	15,800	1,250	24,200	1,500	6,090	38,000	2,450	3,510	56,100
1988		17,600	17,600	16,200		30,000	1,850	6,500	42,800	2,290	3,160	64,400
1989		19,000	19,000	19,500		25,200	2,140	6,270	41,500	2,080	2,740	68,400
1990		20,100	20,100	20,400		29,400	7,730	8,180	39,000	1,800	2,250	60,400
1991		16,400	16,400	19,300		28,800	4,440	10,200	42,000	1,810	2,170	64,700
1992		20,100	20,100	19,900		31,200	5,770	8,740	44,600	1,740	2,020	76,000
1993	266	22,000	22,300	9,620	2,660	30,900	4,220	9,080	38,900	1,700	1,920	73,000
1994	215	25,500	25,700	12,200	1,850	41,500	7,850	10,900	46,100	3,920	4,310	106,000
1995	262	23,500	23,800	10,500	1,130	36,600	8,200	10,600	43,300	5,030	5,380	103,000
1996	242	25,600	25,800	7,780	4,300	37,600	4,450	11,000	45,000	3,240	3,370	156,000
1997	356	26,400	26,800	7,550	2,930	39,300	3,900	10,800	46,600	1,490	1,510	155,000
1998	489	24,000	24,500	7,710	4,160	34,600	4,500	10,600	42,700	1,580	1,580	117,000
1999	450	23,800	24,300	8,220	5,790	36,800	3,660	10,900	36,500	1,380	1,350	108,000
2000		20,900	20,900	7,920	4,540	41,600	7,120	10,300	39,000	1,440	1,360	118,000
2001	0	9,080	9,050	5,380	4,620	37,900	7,610	4,990	42,000	1,430	1,320	157,000
2002	0			5,350	4,630	28,500	4,250	5,060	34,500	1,950	1,770	118,000
2003	0			5,600	2,070	26,700	3,680	6,320	29,400	2,370	2,090	116,000
2004	0			3,650	0	33,500	3,810	2,830	36,800	2,870	2,550	142,000
2005	0			3,030	0	22,700	2,140	2,110	31,400	3,540	2,950	171,000
2006	0			3,520	0	23,200	2,140	2,120	24,300	5,250	4,250	173,000
2007				3,480	0	21,900	1,950	1,900	23,700	5,660	4,450	170,000

¹Compiled by D.A. Buckingham (retired) and J.F. Carlin, Jr.
Data are calculated, estimated, or reported. See notes for more information.

Antimony Worksheet Notes

Data Sources

Sources of data for the antimony worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—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). Years of publication and corresponding years of data coverage are listed in the References section below. Zeros are used where data are actually “0.” Blank cells in the worksheet indicate that data were either not available or were withheld because they are proprietary.

Mine Production

Domestic mine production data includes antimony recovered from ores and concentrates. Data are “0” for the years 1908–14, 1919–21, 1927, 1929–31, and 2001–06. Data for the years 1985–92, 2000, and 2007 are withheld in order to avoid disclosing proprietary data. Data are not available for the year 1987. Data are reported in the MR and MYB.

Smelter Production

Domestic smelter production includes antimony recovery from antimonial lead and lead smelters and refineries. Data for the years 2002 to the most recent are withheld in order to avoid disclosing proprietary data. Data are reported in the MR and MYB.

Primary Production

Total domestic antimony production data includes antimony recovered from ores and concentrates, and antimony recovery from antimonial lead at lead smelters and refineries. Data for the years 2002 to the most recent are withheld in order to avoid disclosing proprietary data. Data are reported in the MR and the MYB.

Secondary Production

Data include domestic antimony production from alloy scrap, and scrap and waste at secondary smelters, and refineries. For the years 1900–08, secondary production data were not available. Data are reported in the MR and the MYB.

Shipments

Antimony ore concentrates and metal shipped in the United States from government stockpiles. Shipments data were not available prior to 1943, for years 1975–81, 1988–92, and 2004. Data are reported in the CDS and the MCS.

Imports

Total antimony content data of several types of antimony imports for consumption including ores and concentrates, antimony metal and needle, and antimony sulfide and oxide chemicals. Data are reported in the MR and the MYB.

Exports

Export data report the tonnage of antimony exported from the United States. Export data for the years 1900–14 are not available. Data are reported in the MR and the MYB.

Stocks

Data are industry stocks. For the years 1900–15 and 1919–25, data are not available. Data are reported in the MR and the MYB.

Apparent Consumption

Apparent consumption data include “Industrial Consumption” for the years prior to 1900–54. Data are from the MR and the MYB. Data for the years 1955–70 are published under the category “Consumption,” for the year 1971, “Actual Consumption,” and for the years 1972 to the most recent, “Apparent Consumption.” These data are reported in the CDS and the MCS and are estimated using the following equation:

$$\text{DOMESTIC MINE PRODUCTION} + \text{SECONDARY PRODUCTION FROM OLD SCRAP} + \text{NET IMPORT RELIANCE.}$$

Unit Value (\$/t)

Unit value is defined as the value of 1 metric ton (t) of antimony apparent consumption. Data are estimated using the average market price in actual U.S. dollars per ton of antimony metal from 1900 to the most recent. Data are reported in the MR and the MYB.

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

Data for this category are world mine production in terms of antimony content. U.S. production is withheld and not available in the total, for the years 1985–92, and 2000 to the most recent. Data are reported in the MR and the MYB.

References

- U.S. Bureau of Mines, 1927–34, Mineral Resources of the United States, 1924–31.
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For more information, please contact:

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