SULFUR STATISTICS¹ U.S. GEOLOGICAL SURVEY

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

Last modification: December 5, 2012

1901 242,000 375,000 NA							Apparent	Unit value	Unit value	World
1991	Year	Production	_	Exports	Shipments	Stocks	consumption	1 /	(98\$/t)	production
1902 208,000 389,000 NA			328,000		NA	NA	652,000	9.73	191	1,420,000
1903 233,000 400,000 NA		242,000	375,000	NA	NA	NA			100	1,420,000
1904 334,000 338,000 NA 61,000 NA 549,000 10,20 186 1,320,000 1905 326,000 336,000 22,600 188,000 NA 620,000 14,30 259 1,420,000 1907 292,000 330,000 36,500 276,000 NA 768,000 14,30 259 1,420,000 1907 292,000 330,000 36,500 276,000 NA 721,000 20,40 337 1,320,000 1908 465,000 348,000 23,300 210,000 NA 707,000 16,20 294 1,220,000 1909 378,000 368,000 37,700 262,000 NA 707,000 18,20 331 1,320,000 1910 348,000 24,4000 31,200 255,000 NA 707,000 17,70 311 1,420,000 1911 431,000 521,000 28,600 258,000 NA 707,000 17,70 311 1,420,000 1912 1,080,000 505,000 58,700 310,000 NA 279,000 17,70 331 1,420,000 1913 782,000 439,000 92,000 324,000 NA 279,000 17,70 285 1,630,000 1914 735,000 529,000 102,000 347,000 NA 279,000 17,30 285 1,830,000 1914 735,000 529,000 102,000 347,000 NA 278,000 17,00 292 1,070,000 1916 1,100,000 631,000 141,000 779,000 NA 276,000 15,70 235 1,440,000 1917 1,680,000 477,000 165,000 1,400,000 NA 286,000 21,70 235 1,440,000 1918 1,880,000 246,000 145,000 1,290,000 NA 384,000 21,10 268 1,290,000 1919 1,570,000 192,000 231,000 689,000 NA 461,000 14,40 14,40 14,40 1,400		208,000	389,000	NA	NA	NA	770,000	4.48	84.50	4,390,000
1905	1903	233,000	400,000	NA	NA	NA	791,000	4.69	85.30	4,540,000
1906	1904	334,000	338,000	NA	61,000	NA	549,000	10.20	186	1,320,000
1907 292,000 330,000 36,500 276,000 NA 721,000 20.40 337 1,320,000 1908 465,000 348,000 28,300 210,000 NA 804,000 16.20 294 1,220,000 1910 348,000 424,000 31,200 2255,000 NA 702,000 17,70 311 1,420,000 1911 431,000 521,000 28,600 255,000 NA 707,000 17,70 311 1,420,000 1911 431,000 521,000 28,600 258,000 NA 254,000 17,70 311 1,420,000 1912 1,080,000 505,000 58,700 310,000 NA 279,000 17,10 289 1,630,000 1913 782,000 439,000 92,000 324,000 NA 279,000 17,30 285 1,830,000 1914 735,000 529,000 120,000 334,000 NA 279,000 17,30 285 1,830,000 1915 896,000 499,000 495,000 299,000 NA 226,000 16,60 268 1,290,000 1916 1,100,000 631,000 141,000 779,000 NA 670,000 15,70 235 1,440,000 1918 1,880,000 477,000 165,000 1,140,000 NA 984,000 21,70 234 2,140,000 1919 1,570,000 192,000 231,000 689,000 NA 461,000 149,000 145,000 1,290,000 NA 461,000 149,000 231,000 689,000 NA 461,000 149,000 140,000 180,000 1920 1,680,000 164,000 489,000 1,540,000 1,120,000 1,660,000 19.50 159 1,590,000 1921 1,970,000 106,000 290,000 970,000 NA 872,000 15,80 159 1,590,000 1922 1,990,000 135,000 482,000 1,640,000 1,600,000 1,500 15,80 151 2,380,000 1924 1,310,000 122,000 230,000 1,640,000 1,600,000 1,500 148,000 15,80 151 2,380,000 1924 1,310,000 125,000 360,000 1,400,000 NA 872,000 1,500 148,000 155,000 135,000 135,000 2400,000 NA 872,000 148,00 155,000 135,000 135,000 135,000 135,000 135,000 135,000 1,300,000 1,300,000 1,300,000 15,80 161 6,200,000 1924 1,310,000 235,000 235,000 360,000 1,300,000 1,400,000 16,80 199 3,760,000 1933 2,400,000 250,000 250,000 250,000 250,000 230,000 3,500,000 1,400,000 16,80 199 3,760,	1905	326,000	336,000	NA	165,000	NA	620,000	14.30	259	1,420,000
1908	1906	405,000	368,000	22,600	188,000	NA	768,000	14.90	270	1,320,000
1909	1907	292,000	330,000	36,500	276,000	NA	721,000	20.40	357	1,320,000
1910	1908	465,000	348,000	28,300	210,000	NA	804,000	16.20	294	1,220,000
1911	1909	378,000	368,000	37,700	262,000	NA	702,000	18.20	331	1,320,000
1912	1910	348,000	424,000	31,200	255,000	NA	767,000	17.70	311	1,420,000
1913	1911	431,000	521,000	28,600	258,000	NA	254,000	17.70	311	1,420,000
1914	1912	1,080,000	505,000	58,700	310,000	NA	279,000	17.10	289	1,630,000
1915	1913	782,000	439,000	92,000	324,000	NA	249,000	17.30	285	1,830,000
1916	1914	735,000	529,000	102,000	347,000	NA	272,000	17.90	292	1,070,000
1917	1915	896,000	499,000	49,500	299,000	NA	286,000	16.60	268	1,290,000
1918	1916	1,100,000	631,000	141,000	779,000	NA	670,000	15.70	235	1,440,000
1919	1917	1,680,000	477,000	165,000	1,140,000		984,000	21.10	268	1,980,000
1919	1918	1,880,000	246,000	145,000	1,290,000	NA	1,150,000	21.70	234	2,140,000
1920	1919	1,570,000	192,000			NA	461,000	14.90	140	1,800,000
1922	1920	1,680,000		489,000	1,540,000	1,120,000	1,060,000	19.50	159	1,590,000
1922	1921			290,000					160	
1923 2,150,000 129,000 482,000 1,640,000 3,050,000 1,170,000 15.80 151 2,380,000 1924 1,310,000 122,000 492,000 1,560,000 2,740,000 1,070,000 16.00 153 3,860,000 1925 1,500,000 135,000 642,000 1,960,000 2,290,000 1,250,000 14.80 138 4,780,000 1926 1,990,000 179,000 592,000 2,400,000 NA 1,510,000 17.20 158 5,490,000 1927 2,470,000 126,000 816,000 2,410,000 NA 1,290,000 17.50 164 5,890,000 1928 2,400,000 229,000 716,000 2,460,000 2,030,000 1,400,000 16.80 160 5,690,000 1929 2,810,000 253,000 887,000 2,800,000 1,930,000 1,400,000 16.90 161 6,200,000 1930 3,000,000 172,000 426,000 1,350,000 3,300,000 1,400,000 16.70 163 6,400,000 1931 2,490,000 172,000 426,000 1,330,000 3,360,000 761,000 16.80 199 3,760,000 1933 1,690,000 188,000 540,000 1,930,000 3,350,000 761,000 16.80 199 3,760,000 1933 1,690,000 188,000 540,000 1,930,000 3,150,000 1,130,000 16.60 209 4,570,000 1934 1,750,000 185,000 526,000 1,960,000 3,150,000 1,240,000 15.70 187 5,690,000 1935 2,000,000 196,000 420,000 2,910,000 3,150,000 1,400,000 16.20 183 5,990,000 1938 2,820,000 166,000 663,000 2,910,000 3,450,000 1,430,000 15.70 187 5,690,000 1938 2,820,000 166,000 601,000 2,910,000 3,450,000 1,850,000 14.20 168 5,590,000 1941 3,710,000 257,000 779,000 3,030,000 4,270,000 1,850,000 14.30 168 5,590,000 1941 3,710,000 227,000 773,000 3,920,000 3,660,000 2,380,000 14.30 143 8,030,000 1944 3,940,000 257,000 779,000 3,660,000 4,270,000 1,850,000 14.30 143 8,030,000 1944 3,940,000 8,400 693,000 3,560,000 2,950,000 14.30 143 8,030,000 1944 3,940,000 88,400 686,000 4,210,000 3,560,000 2,950,000 15.00 139 6,600,000 1945 4,440,000 91,200 958,000 4,460,000 3,560,0	1922						872,000		156	
1924	1923									
1925										
1926 1,990,000 179,000 592,000 2,400,000 NA 1,510,000 17.20 158 5,490,000 1927 2,470,000 126,000 816,000 2,410,000 NA 1,290,000 17.50 164 5,890,000 1928 2,400,000 229,000 716,000 2,460,000 2,030,000 1,400,000 16.80 160 5,690,000 1929 2,810,000 253,000 887,000 2,800,000 1,930,000 1,590,000 16.90 161 6,200,000 1930 3,000,000 180,000 619,000 2,350,000 3,300,000 1,400,000 16.70 163 6,400,000 1931 2,490,000 172,000 426,000 1,730,000 3,080,000 972,000 16.30 175 5,180,000 1932 1,110,000 124,000 366,000 1,350,000 3,560,000 761,000 16.80 199 3,760,000 1933 1,690,000 188,000 540,000 1,930,000 3,350,000 1,130,000 16.60 209 4,570,000 1934 1,750,000 185,000 526,000 1,960,000 3,150,000 1,20,000 16.00 194 5,080,000 1935 2,000,000 196,000 420,000 2,010,000 3,150,000 1,240,000 15.70 187 5,690,000 1936 2,440,000 211,000 576,000 2,370,000 3,450,000 1,430,000 15.70 187 5,390,000 1937 3,210,000 257,000 700,000 2,910,000 3,450,000 1,430,000 15.90 187 5,390,000 1938 2,820,000 166,000 663,000 2,660,000 4,270,000 1,620,000 14.20 167 7,320,000 1940 3,260,000 227,000 779,000 3,030,000 4,270,000 1,620,000 14.20 167 7,320,000 1941 3,710,000 259,000 773,000 3,920,000 3,860,000 2,380,000 14.30 14.30 166 7,520,000 1944 3,940,000 88,400 686,000 4,210,000 3,560,000 2,950,000 15.00 13.00 13.00 13.00 1945 4,440,000 91,200 958,000 4,460,000 3,560,000 2,950,000 15.00 14.10 133 6,710,000 1945 4,440,000 91,200 958,000 3,660,000 3,560,000 2,950,000 15.00 14.10 133 6,700,000 1946 4,570,000 89,200 1,270,000 3,560,000 3,280,000 4,500,000 15.00 117 8,640,000 1948 5,600,000 59,000 1,480,000 5,500,000 3,150,000 4,160,000 16	1925									
1927									158	
1928	1927								164	5,890,000
1929	1928					2,030,000			160	5,690,000
1930 3,000,000 180,000 619,000 2,350,000 3,300,000 1,400,000 16.70 163 6,400,000 1931 2,490,000 172,000 426,000 1,730,000 3,080,000 972,000 16.30 175 5,180,000 1932 1,110,000 124,000 366,000 1,350,000 3,560,000 761,000 16.80 199 3,760,000 1933 1,690,000 188,000 540,000 1,960,000 3,150,000 1,130,000 16.60 209 4,570,000 1934 1,750,000 185,000 526,000 1,960,000 3,150,000 1,20,000 16.00 194 5,080,000 1935 2,000,000 196,000 420,000 2,010,000 3,150,000 1,240,000 15.70 187 5,690,000 1936 2,440,000 211,000 576,000 2,370,000 3,150,000 1,430,000 15.70 187 5,390,000 1937 3,210,000 257,000 700,000 2,910,000 3,450,000 <td>1929</td> <td>2,810,000</td> <td>253,000</td> <td>887,000</td> <td>2,800,000</td> <td>1,930,000</td> <td>1,590,000</td> <td>16.90</td> <td>161</td> <td>6,200,000</td>	1929	2,810,000	253,000	887,000	2,800,000	1,930,000	1,590,000	16.90	161	6,200,000
1931 2,490,000 172,000 426,000 1,730,000 3,080,000 972,000 16.30 175 5,180,000 1932 1,110,000 124,000 366,000 1,350,000 3,560,000 761,000 16.80 199 3,760,000 1933 1,690,000 188,000 540,000 1,930,000 3,350,000 1,130,000 16.60 209 4,570,000 1934 1,750,000 185,000 526,000 1,960,000 3,150,000 1,120,000 16.00 194 5,080,000 1935 2,000,000 196,000 420,000 2,010,000 3,150,000 1,240,000 15.70 187 5,690,000 1936 2,440,000 211,000 576,000 2,370,000 3,150,000 1,430,000 15.90 187 5,390,000 1937 3,210,000 257,000 700,000 2,910,000 3,450,000 1,810,000 16.20 183 5,990,000 1938 2,820,000 166,000 601,000 2,040,000 4,270,000 </td <td>1930</td> <td></td> <td>180,000</td> <td>619,000</td> <td>2,350,000</td> <td>3,300,000</td> <td>1,400,000</td> <td></td> <td>163</td> <td></td>	1930		180,000	619,000	2,350,000	3,300,000	1,400,000		163	
1932 1,110,000 124,000 366,000 1,350,000 3,560,000 761,000 16.80 199 3,760,000 1933 1,690,000 188,000 540,000 1,930,000 3,350,000 1,130,000 16.60 209 4,570,000 1934 1,750,000 185,000 526,000 1,960,000 3,150,000 1,120,000 16.00 194 5,080,000 1935 2,000,000 196,000 420,000 2,010,000 3,150,000 1,240,000 15.70 187 5,690,000 1936 2,440,000 211,000 576,000 2,370,000 3,150,000 1,430,000 15.70 187 5,690,000 1937 3,210,000 257,000 700,000 2,910,000 3,450,000 1,810,000 16.20 183 5,990,000 1938 2,820,000 166,000 601,000 2,040,000 4,270,000 1,620,000 14.20 167 7,320,000 1940 3,260,000 227,000 779,000 3,030,000 4,270,000	1931			426,000			972,000		175	5,180,000
1933 1,690,000 188,000 540,000 1,930,000 3,350,000 1,130,000 16.60 209 4,570,000 1934 1,750,000 185,000 526,000 1,960,000 3,150,000 1,120,000 16.00 194 5,080,000 1935 2,000,000 196,000 420,000 2,010,000 3,150,000 1,240,000 15.70 187 5,690,000 1936 2,440,000 211,000 576,000 2,370,000 3,150,000 1,430,000 15.90 187 5,390,000 1937 3,210,000 257,000 700,000 2,910,000 3,450,000 1,810,000 16.20 183 5,990,000 1938 2,820,000 166,000 601,000 2,040,000 4,270,000 1,060,000 14.50 168 5,590,000 1939 2,550,000 250,000 663,000 2,660,000 4,060,000 1,620,000 14.20 167 7,320,000 1940 3,260,000 227,000 779,000 3,030,000 4,270,0	1932		124,000				761,000		199	3,760,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1933								209	4,570,000
1935 2,000,000 196,000 420,000 2,010,000 3,150,000 1,240,000 15.70 187 5,690,000 1936 2,440,000 211,000 576,000 2,370,000 3,150,000 1,430,000 15.90 187 5,390,000 1937 3,210,000 257,000 700,000 2,910,000 3,450,000 1,810,000 16.20 183 5,990,000 1938 2,820,000 166,000 601,000 2,040,000 4,270,000 1,060,000 14.50 168 5,590,000 1939 2,550,000 250,000 663,000 2,660,000 4,060,000 1,620,000 14.20 167 7,320,000 1940 3,260,000 227,000 779,000 3,030,000 4,270,000 1,850,000 14.30 166 7,930,000 1941 3,710,000 209,000 773,000 3,920,000 3,960,000 2,380,000 14.60 161 7,520,000 1942 4,080,000 173,000 595,000 3,690,000 4,370,0	1934	1,750,000		526,000	1,960,000				194	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1935	1								5,690,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1936	2,440,000	211,000	576,000	2,370,000	3,150,000	1,430,000	15.90	187	5,390,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1937	1	257,000	700,000	2,910,000	3,450,000	1,810,000	16.20	183	5,990,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1938	2,820,000	166,000			4,270,000			168	5,590,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1939									7,320,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$,	, ,	, ,				7,930,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1941									7,520,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										8,030,000
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										6,710,000
1945 4,440,000 91,200 958,000 4,460,000 3,560,000 2,950,000 15.60 141 6,200,000 1946 4,570,000 89,200 1,270,000 4,800,000 3,250,000 3,590,000 15.20 127 7,320,000 1947 5,190,000 61,700 1,370,000 5,580,000 3,430,000 4,290,000 16.00 117 8,640,000 1948 5,600,000 52,400 1,320,000 5,720,000 3,280,000 4,500,000 16.30 110 9,450,000 1949 5,480,000 59,000 1,480,000 5,500,000 3,150,000 4,160,000 16.30 112 9,960,000										6,600,000
1946 4,570,000 89,200 1,270,000 4,800,000 3,250,000 3,590,000 15.20 127 7,320,000 1947 5,190,000 61,700 1,370,000 5,580,000 3,430,000 4,290,000 16.00 117 8,640,000 1948 5,600,000 52,400 1,320,000 5,720,000 3,280,000 4,500,000 16.30 110 9,450,000 1949 5,480,000 59,000 1,480,000 5,500,000 3,150,000 4,160,000 16.30 112 9,960,000										6,200,000
1947 5,190,000 61,700 1,370,000 5,580,000 3,430,000 4,290,000 16.00 117 8,640,000 1948 5,600,000 52,400 1,320,000 5,720,000 3,280,000 4,500,000 16.30 110 9,450,000 1949 5,480,000 59,000 1,480,000 5,500,000 3,150,000 4,160,000 16.30 112 9,960,000										7,320,000
1948 5,600,000 52,400 1,320,000 5,720,000 3,280,000 4,500,000 16.30 110 9,450,000 1949 5,480,000 59,000 1,480,000 5,500,000 3,150,000 4,160,000 16.30 112 9,960,000										8,640,000
1949 5,480,000 59,000 1,480,000 5,500,000 3,150,000 4,160,000 16.30 112 9,960,000	1948									9,450,000
										9,960,000
1990 0,000,000 102,000 1,300,000 0,3 1 0,000 2,700,000 3,070,000 17.00 17.00 120 100,000,000	1950	6,080,000	102,000	1,500,000	6,340,000	2,700,000	5,070,000		120	

SULFUR STATISTICS¹ U.S. GEOLOGICAL SURVEY

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

Last modification: December 5, 2012

				t mounicatio		Apparent	Unit value	Unit value	World
Year	Production	Imports	Exports	Shipments	Stocks	consumption	(\$ / t)	(98\$/t)	production
1951	6,300,000	110,000	1,330,000	6,010,000	2,880,000	4,900,000	19.60	123	11,400,000
1952	6,390,000	149,000	1,360,000	6,200,000	3,210,000	4,910,000	19.70	121	12,100,000
1953	6,350,000	93,800	1,290,000	6,390,000	3,180,000	5,130,000	24.30	148	11,700,000
1954	6,780,000	137,000	1,700,000	6,580,000	3,390,000	4,990,000	24.20	147	12,800,000
1955	7,140,000	209,000	1,660,000	7,220,000	3,350,000	5,720,000	25.50	155	15,500,000
1956	7,940,000	394,000	1,700,000	7,150,000	4,120,000	5,840,000	24.10	145	17,000,000
1957	7,120,000	680,000	1,620,000	6,610,000	4,650,000	5,640,000	21.90	127	17,000,000
1958	6,240,000	767,000	1,630,000	6,190,000	4,690,000	5,350,000	23.40	132	16,100,000
1959	6,270,000	789,000	1,660,000	6,970,000	4,010,000	6,010,000	23.10	129	17,200,000
1960	6,770,000	902,000	1,820,000	6,840,000	3,840,000	5,960,000	22.80	125	19,600,000
1961	7,290,000	982,000	1,620,000	6,950,000	4,890,000	5,990,000	22.80	124	20,600,000
1962	6,870,000	1,150,000	1,560,000	6,810,000	5,010,000	6,340,000	21.50	116	21,300,000
1963	6,750,000	1,490,000	1,640,000	6,830,000	4,760,000	6,710,000	19.60	104	21,900,000
1964	7,210,000	1,610,000	1,960,000	7,990,000	4,290,000	7,370,000	19.80	104	23,500,000
1965	8,340,000	1,670,000	2,680,000	9,310,000	3,480,000	8,110,000	22.10	114	25,200,000
1966	9,300,000	1,700,000	2,410,000	9,920,000	2,750,000		25.30	127	26,500,000
1967	9,280,000	1,670,000	2,230,000	9,960,000	1,990,000		32.10		28,400,000
1968	9,890,000	1,740,000	1,630,000	9,060,000	2,700,000		39.00		29,500,000
1969	9,690,000	1,820,000	1,580,000	9,070,000	3,390,000		26.60	118	30,700,000
1970	9,710,000	1,690,000	1,460,000	8,100,000	3,890,000		22.80		41,900,000
1971	9,730,000	1,450,000	1,560,000	8,450,000	4,190,000		17.20		42,700,000
1972	10,400,000	1,210,000	1,880,000	9,690,000	3,860,000		16.80	65.40	45,500,000
1973	11,100,000	1,240,000	1,800,000	10,000,000	3,990,000	10,400,000	17.60		48,200,000
1974	11,600,000	2,180,000	2,710,000	10,600,000	4,020,000		28.40		51,200,000
1975	11,400,000	1,930,000	1,370,000	9,120,000	5,210,000		44.90	136	50,700,000
1976	10,900,000	1,760,000	1,290,000	9,150,000	5,650,000	10,900,000	45.70	131	50,900,000
1977	10,700,000	2,010,000	1,200,000	9,660,000	5,560,000	11,700,000	44.40	119	52,300,000
1978	11,200,000	2,180,000	866,000	9,820,000	5,350,000	12,600,000	45.20	113	52,100,000
1979	12,100,000	2,490,000	2,040,000	11,600,000	4,240,000	13,700,000	55.80	125	53,200,000
1980	11,900,000	2,520,000	1,780,000	11,500,000	3,090,000		89.10		55,000,000
1981	12,100,000	2,640,000	1,470,000	10,100,000	3,630,000	12,800,000	111	200	53,600,000
1982	9,790,000	2,050,000	1,040,000	7,940,000	4,220,000	10,100,000	108	183	50,600,000
1983	9,290,000	1,840,000	1,050,000	9,150,000	3,220,000	11,000,000	87.20	143	49,800,000
1984	10,700,000	2,700,000	1,370,000	10,200,000	2,420,000	12,700,000	94.30	148	52,500,000
1985	11,600,000	2,250,000	1,410,000	9,940,000	2,800,000	12,000,000	106	161	53,800,000
1986	11,100,000	1,600,000	1,920,000	9,910,000	2,750,000	10,600,000	105	156	53,700,000
1987	10,500,000	1,850,000	1,270,000	9,790,000	2,320,000	11,300,000	89.80	129	57,000,000
1988	10,700,000	2,310,000	1,270,000	10,800,000	1,110,000	12,700,000	86.00	118	59,200,000
1989	11,600,000	2,670,000	1,070,000	10,300,000	1,300,000	12,700,000	86.60	114	58,900,000
1990	11,600,000	3,120,000	1,020,000		1,420,000		80.10		
1991	10,800,000	3,620,000	1,250,000		1,190,000		71.50		
1992	10,700,000	3,380,000	1,010,000		809,000				
1993	11,000,000	2,840,000	703,000		1,380,000		31.90		
1994	11,500,000	2,350,000	945,000		1,160,000		30.10		
1995	11,800,000	3,140,000	962,000	12,100,000	583,000	14,300,000	44.50	47.60	54,800,000
1996	11,800,000	2,640,000	893,000		646,000		34.10	35.40	55,200,000
1997	12,000,000	2,720,000	742,000		761,000		36.10		56,900,000
1998	11,700,000	2,940,000	940,000		283,000		29.10		57,400,000
1999	11,500,000	3,030,000	736,000	11,300,000	451,000	13,800,000	37.80	37.00	57,400,000
2000	10,500,000	2,790,000	849,000	10,700,000	208,000	12,700,000	24.70	23.40	
2001	9,470,000	2,190,000	780,000	9,450,000	232,000		10.00	9.20	59,500,000

SULFUR STATISTICS¹ U.S. GEOLOGICAL SURVEY

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

Last modification: December 5, 2012

						Apparent	Unit value	Unit value	World
Year	Production	Imports	Exports	Shipments	Stocks	consumption	(\$/t)	(98\$/t)	production
2002	9,330,000	2,910,000	757,000	9,320,000	181,000	11,500,000	11.80	10.70	62,000,000
2003	9,650,000	3,160,000	907,000	9,690,000	206,000	11,900,000	28.70	25.40	64,100,000
2004	10,100,000	3,630,000	1,020,000	10,100,000	185,000	12,800,000	32.60	28.10	66,400,000
2005	9,500,000	3,700,000	794,000	9,480,000	160,000	12,400,000	30.80	25.70	68,500,000
2006	9,060,000	3,750,000	716,000	8,960,000	221,000	12,000,000	32.90	26.60	67,000,000
2007	9,150,000	3,790,000	1,030,000	9,180,000	187,000	11,900,000	32.90	25.90	67,800,000
2008	9,300,000	4,690,000	1,040,000	9,280,000	208,000	12,900,000	264	200	68,300,000
2009	8,940,000	2,110,000	1,510,000	8,860,000	231,000	9,460,000	1.70	1.30	67,400,000
2010	9,080,000	3,640,000	1,520,000	9,140,000	166,000	11,300,000	70.20	52.50	69,400,000
2011	8,930,000	4,140,000	1,420,000	8,910,000	175,000	11,600,000	124.00	89.90	70,500,000

NA Not available.

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

¹Compiled by D.A. Buckingham (retired), J.A. Ober, and L.E. Apodaca.

Sulfur Worksheet Notes

Data Sources

The sources of data for the sulfur 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). The years of publication and corresponding years of data coverage are listed in the References section below.

Production

Production is in terms of the sulfur content of Frasch, recovered, and native sulfur; pyrites; byproduct sulfuric acid; and other forms. Data for "Other Forms" were not separately reported before 1939, and then only in terms of their sulfur content; pyrites were included in this category in 1983. Sulfur content data of pyrites for 1928–49 are estimated using the published percentage sulfur content. For 1900–24, the sulfur content is estimated using the average percentage of 39.7 percent sulfur content reported for pyrites over 1925–82. Included in total pyrite production for 1922–27 is byproduct pyrite production from Tennessee and Wisconsin. The sulfur content of sulfuric acid for 1911–20 and years 1927–46 was estimated based on the quality (50° or 60° Baumé) of sulfuric acid. No sulfuric acid data are available prior to 1911. Data are from the MR and the MYB.

Imports

Imports report the sulfur content of Frasch and recovered sulfur, pyrites, and sulfuric acid. Frasch sulfur import data for 1920–30 and 1949–69 include some sulfur ores. Pyrite imports for 1900–72 are pyrites only. The sulfur content of imported pyrite for 1900–48 is estimated using the average percentage of 48.1 percent sulfur content reported for pyrites for 1949 to the most recent year. Sulfur content of imported sulfuric acid for 1913–20 is estimated based on 100 percent sulfuric acid. No sulfuric acid data are available prior to 1913. Data are from the MR and the MYB.

Exports

Exports report the sulfur content of Frasch sulfur, recovered sulfur, and sulfuric acid. Pyrite export data are not available. Data are not available for Frasch and recovered sulfur exports prior to 1906. For 1906–20, data include some crude sulfur exports. The sulfur content of exported sulfuric acid for 1913–20 is calculated base on 100 percent sulfuric acid. Data are from the MR and the MYB.

Shipments

Shipments are in terms of the sulfur content of mine shipments of Frasch, recovered, and native sulfur; pyrites; byproduct sulfuric acid; and other sulfur forms. Data are from the MR and the MYB.

Stocks

Stocks are in terms of the sulfur content of mine stocks as of the end of year, December 31. Data are from the MR and the MYB.

Apparent Consumption

Sulfur apparent consumption data are in terms of the sulfur content. Data are from the MR and the MYB. Consumption data for 1900–03 include Frasch sulfur, native sulfur, and pyrites. Data for 1904–45 include only Frasch and native sulfur consumption. For 1946 to the most recent year, consumption data include Frasch, recovered, and native sulfur; pyrites; sulfuric acid; and other forms of sulfur.

Unit Value (\$/t)

Unit value is defined as the value of 1 metric ton (t) of sulfur apparent consumption. Data for 1900–08 are estimated by using the sulfur production unit value. For 1909 to the most recent year, data are estimated using the sulfur shipments unit value.

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 sulfur production data include all forms of sulfur and are in terms of their sulfur content. Data prior to 1936 include elemental sulfur production from principal producing countries and world pyrite production. Data for 1936 to the most recent year are world production of all forms of sulfur. Data are from the MR and the MYB.

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.)

Recommended Citation Format:

U.S. Geological Survey, [year of last update, e.g., 2005], [Mineral commodity, e.g., Gold] statistics, *in* Kelly, T.D., and Matos, G.R., comps., Historical statistics for mineral and material commodities in the United States: U.S. Geological Survey Data Series 140, accessed [date], at http://pubs.usgs.gov/ds/2005/140/.

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