SODIUM SULFATE STATISTICS¹ U.S. GEOLOGICAL SURVEY

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

Last modification: October 23, 2007

Primary Prim				Last III	ounication.	October 23, 2007			
1920		-							
1922		•	Imports	Exports	Stocks		, ,	,	production
1922									
1923 9,140 9,140 10,90 104 1924 14,700 14,700 11,90 113 1925 9,020 9,020 9,36 86,60 1926 17,800 17,800 9,37 86,00 1927 20,900 20,000 8,07 75,40 1928 5,970 4,650 10,600 7,12 67,80 1929 6,840 89,200 1,510 94,500 6,02 57,40 1930 29,600 73,900 4,020 99,400 6,97 68,30 1931 29,500 76,200 4,220 101,000 6,72 71,90 1932 29,200 63,800 1,300 91,700 7,20 85,90 1933 42,200 100,000 142,000 5,81 73,10 1934 15,100 89,500 105,000 9,81 120 1935 189,000 166,000 195,000 9,81 120 1935 189,000 166,000 195,000 9,81 120 1937 244,000 215,000 459,000 10.7 121 1938 72,800 136,000 209,000 8,20 95,00 1939 124,000 141,000 265,000 8,27 97,10 1940 168,000 66,200 234,000 9,11 106 1941 682,000 68,900 751,000 9,11 101 1942 765,000 85,300 85,000 103,000 103,000 1944 786,000 28,100 776,000 10,30 103 1945 757,000 18,100 776,000 10,30 93,60 1946 74,000 22,100 760,000 776,000 10,30 93,60 1947 754,000 28,100 776,000 10,30 93,60 1948 977,000 77,200 9,400 17,60 121 1950 845,000 68,000 25,400 979,000 14,10 86,40 1951 10,000 53,300 25,400 972,000 14,10 86,40 1952 946,000 55,300 25,400 10,800 10,80 123 1955 1,050,000 53,000 25,400 1,100,000 1,100 123 1955 1,050,000 13,000 22,700 1,150,000 1,16 1960 1,100,000 15,000 13,000 14,10 1961 1,000,000 15,000 13,000 14,10 1962 1,000,000 13,000 21,00 116 1963 1,200,000 145,000 145,000 1,100,000 149,000 116 1963 1,200,000 15,000 1,300 1,300 1,300 1955 1,000,000 13,000 22,000 1,150,000 1,100 1964 1,200,000 1,200 1,200 1,200 1,200 1965 1,270,000 248,000 1,300 1,210,000 21,30 116 1966 1,30									
1925 9,020 9,36 86,60 17,800 9,37 86,00 1927 20,900 9,36 86,60 1927 20,900 20,900 8,07 75,40 1928 5,570 4,650 10,600 7,12 67,80 1929 6,840 89,200 1,510 94,500 6,02 57,40 1930 29,600 73,900 4,020 99,400 6,97 68,30 1931 29,500 76,200 4,220 101,000 67,2 71,90 1932 29,200 63,800 1,300 91,700 7,20 85,90 1933 42,200 100,000 142,000 5,81 73,10 1934 15,100 89,500 105,000 9,81 120 1933 189,000 106,000 294,000 9,32 111 1936 46,800 149,000 195,000 7,20 84,70 1937 244,000 155,000 459,000 10,7 121 1938 72,800 136,000 209,000 8,20 95,00 1930 124,000 144,000 265,000 8,20 95,00 1940 168,000 66,200 234,000 9,11 106 1941 682,000 68,900 751,000 9,11 106 1941 682,000 68,900 751,000 9,11 101 1942 765,000 88,300 88,300 885,000 10,300 1								77.10	
1925 9,020 9,36 86,60 1926 17,800 17,800 20,900 8,07 75,40 1928 5,970 4,650 10,600 7,12 67,80 1930 29,600 73,900 4,020 99,400 6,97 68,30 1931 29,500 76,200 4,220 101,000 6,77 76,30 1931 29,500 76,200 4,220 101,000 6,77 76,30 1932 29,200 63,800 1,300 91,700 7.20 85,90 1933 42,200 100,000 142,000 5,81 73,10 1934 15,100 39,500 105,000 294,000 9,32 111 1935 189,000 106,000 294,000 9,32 111 1936 46,800 149,000 195,000 459,000 10.7 121 1938 72,800 136,000 209,000 8,20 95,00 1939 124,000 141,000 265,000 8,20 95,00 1940 168,000 66,000 234,000 9,11 106 1941 682,000 68,900 751,000 9,11 101 1942 765,000 83,300 850,000 10,30 103 1944 786,000 28,100 81,4000 10,600 98,50 1945 775,000 29,000 8,000 10,30 103 1946 742,000 28,100 81,4000 10,60 98,50 1947 754,000 19,100 12,700 760,000 14,30 93,60 1948 754,000 19,100 12,700 760,000 14,30 96,50 1949 754,000 19,100 12,700 760,000 14,10 86,40 1953 145,000 60,800 25,400 11,300 10,30 10,30 1955 1,050,000 55,300 25,400 1,100,000 14,50 90,00 1955 1,050,000 55,300 25,400 1,100,000 14,50 90,00 1955 1,050,000 178,000 22,700 1,100,000 14,10 86,40 1955 1,050,000 178,000 22,700 1,100,000 14,10 86,40 1955 1,050,000 178,000 22,700 1,100,000 14,10 86,40 1955 1,050,000 178,000 22,400 1,130,000 21,30 123 1956 1,050,000 178,000 22,400 1,130,000 21,30 112 1956 1,050,000 178,000 22,400 1,130,000 21,30 112 1956 1,050,000 178,000 25,400 1,130,000 21,30 112 1957 1,010,000 248,000 11,800 1,500,000 1,960 98.51 1957 1,010,000 248,000 11,800 1,500,000 1,960 98.51 1957 1,010,000 248,000 11,800 1								104	
1926						14,700	11.90	113	
1927 20,900								86.60	
1928		,							
1929									
1930 29,600 73,900 4,020 99,400 6.97 68.30 1931 29,500 76,200 4,220 101,000 6.72 71,90 1932 29,200 63,800 1,300 91,700 7.20 85,90 1933 42,200 100,000 142,000 5.81 73,10 1934 15,100 89,500 105,000 9.81 120 1935 189,000 106,000 294,000 9,32 111 1936 46,800 149,000 195,000 459,000 10,7 121 1938 72,800 136,000 204,000 9,32 111 1938 72,800 136,000 209,000 8.20 95,00 1939 124,000 141,000 265,000 8.27 97,10 1940 168,000 66,200 234,000 9,11 106 1941 682,000 68,900 751,000 10,30 103 1943 775,000 29,900 805,000 10,30 103 103 1943 775,000 28,100 814,000 776,000 10,30 33,60 1944 786,000 28,100 776,000 10,30 33,60 1944 786,000 28,100 776,000 776,000 10,30 93,60 1946 742,000 20,000 762,000 9,44 787,00 1949 754,000 19,100 12,700 756,000 14,30 96,50 1949 754,000 19,100 12,700 760,000 17,60 121 1950 845,000 50,800 23,400 972,000 11,000 13,00 31,00 1955 1,050,000 53,800 22,700 1,100,000 13,00 31,50 1955 1,050,000 53,800 22,700 1,100,000 13,00 31,50 1955 1,050,000 53,800 22,700 1,100,000 13,00 31,50 1955 1,050,000 778,000 22,700 1,100,000 13,00 11,50			4,650				7.12	67.80	
1931 29,500 76,200 4,220 101,000 6,72 71,90 1932 29,200 63,800 1,300 91,700 7,20 85,90 1933 42,200 100,000 142,000 5,81 73,10 1934 15,100 89,500 105,000 9,81 120 1935 189,000 106,000 294,000 9,32 111 1936 46,800 149,000 195,000 459,000 10,7 121 1938 72,800 136,000 299,000 8,20 95,00 1939 124,000 141,000 265,000 8,27 97,10 1940 168,000 66,200 234,000 9,11 106 1941 682,000 68,900 751,000 9,11 101 1942 765,000 85,300 885,000 10,30 103 1934 775,000 29,900 805,000 10,80 102 1944 786,000 28,100 776,000 10,30 93,60 1945 757,000 29,000 762,000 9,44 78,70 1947 934,000 44,500 979,000 9,39 68,50 1948 927,000 27,200 954,000 14,30 96,50 1951 1,050,000 73,500 23,400 81,000 176,000 176,000 176,000 1940 15,400 19,100 12,700 760,000 13,00 13,00 1551 1,050,000 73,500 23,400 91,10 10 10 10 10 10 10 10				1,510			6.02	57.40	
1932 29,200 63,800 1,300 91,700 7.20 85,90 1933 42,200 100,000 142,000 5.81 73.10 1934 15,100 89,500 105,000 9.81 120 1935 189,000 106,000 294,000 9.32 111 1936 46,800 149,000 195,000 7.20 84.70 1937 244,000 215,000 209,000 8.20 95,00 1939 124,000 141,000 265,000 8.27 97.10 1940 168,000 66,200 234,000 9.11 106 1941 682,000 68,900 751,000 9.11 101 1942 765,000 85,300 885,000 10,30 103 1943 775,000 29,900 805,000 10,30 103 1944 786,000 28,100 814,000 10,60 98,50 1945 757,000 18,100 776,000 10,30 93,60 1946 742,000 20,000 7762,000 9,44 78,70 1947 934,000 44,500 979,000 9,39 68,50 1948 927,000 27,200 954,000 143,00 96,50 1949 754,000 19,100 12,700 760,000 17,60 121 1950 845,000 65,800 25,400 972,000 14,10 86,40 1951 1,050,000 73,500 25,400 1,000,000 14,10 86,40 1955 1,060,000 113,000 22,700 1,100,000 13,00 81,50 1955 1,060,000 113,000 22,700 1,100,000 17,20 105 1956 1,070,000 93,400 27,200 1,100,000 17,20 105 1957 1,010,000 68,000 25,400 1,100,000 17,20 105 1958 908,000 88,000 21,800 1,130,000 21,30 119 1951 1,050,000 73,500 25,400 1,100,000 11,00 120 1955 1,060,000 113,000 22,700 1,140,000 21,30 123 1958 908,000 88,000 18,100 978,000 21,30 119 1956 1,070,000 93,400 27,200 1,140,000 21,30 119 1956 1,070,000 178,000 29,000 1,130,000 21,30 119 1956 1,070,000 248,000 18,000 1,20,000 1,20,000 21,30 119 1960 1,010,000 178,000 29,000 1,130,000 21,30 119 1961 1,060,000 178,000 29,000 1,130,000 21,30 119 1962 1,080,000 178,000 29,000 1,140,000 20,000 116 1963 1,250,000 248,000 1,800 1,510,000 21,30 116 1964 1,190	1930	29,600	73,900	4,020		99,400	6.97	68.30	
1933	1931	29,500	76,200	4,220		101,000	6.72	71.90	
1934	1932	29,200	63,800	1,300		91,700	7.20	85.90	
1935 189,000 106,000 294,000 9.32 111 1936 46,800 149,000 195,000 7.20 84,70 1937 244,000 215,000 25,000 209,000 8.20 95.00 1938 72,800 136,000 265,000 8.27 97.10 1940 168,000 66,200 234,000 9.11 106 1941 682,000 68,900 751,000 9.11 101 1942 765,000 85,300 850,000 10.30 103 1943 775,000 29,900 805,000 10.80 102 1944 786,000 28,100 814,000 10.60 98.50 1945 757,000 18,100 776,000 10.30 93.60 1946 742,000 20,000 762,000 9.44 78,70 1947 934,000 44,500 979,000 9.39 68.50 1948 927,000 27,200 954,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,080,000 15.00 91.20 1952 946,000 50,800 25,400 1,100,000 14.10 86.40 1953 1,050,000 55,300 22,700 1,150,000 21.30 123 1954 917,000 93,400 22,700 1,150,000 15,20 91.20 1955 1,060,000 131,000 22,700 1,150,000 21.30 125 1956 1,070,000 93,400 22,700 1,150,000 21.30 125 1957 1,010,000 68,000 21,800 1,130,000 21.30 125 1958 908,000 88,000 18,100 1,20,000 21.30 126 1966 1,070,000 178,000 29,000 1,120,000 21.30 126 1966 1,100,000 151,000 28,100 1,130,000 21.30 116 1966 1,100,000 151,000 28,100 1,130,000 21.30 116 1966 1,100,000 155,000 25,400 1,20,000 21.30 116 1966 1,120,000 248,000 1,1800 1,20,000 21.30 116 1967 1,240,000 263,000 25,400 1,500,000 19,40 94.7 1968 1,350,000 255,400 1,500,000 19,40 94.7 1968 1,350,000 255,400 1,500,000 19,40 94.7 1968 1,250,000 244,000 40,800 1,500,000 19,40 94.7 1968 1,250,000 244,000 40,800 1,500,000 19,40 94.7 1968 1,350,000 255,400 1,500,000 19,40 94.7 1969 1,340,000 255,000 82,600 43,000 1,510,000 20.20	1933	42,200	100,000			142,000	5.81	73.10	
1936	1934	15,100	89,500			105,000	9.81	120	
1937	1935	189,000	106,000			294,000	9.32	111	
1938 72,800 136,000 209,000 8.20 95.00 1939 124,000 141,000 265,000 8.27 97.10 1940 168,000 66,200 234,000 9.11 106 1941 682,000 68,900 751,000 9.11 101 1942 765,000 85,300 850,000 10.30 103 1943 775,000 29,900 805,000 10.80 102 1944 786,000 28,100 776,000 10.30 93.60 1945 757,000 18,100 776,000 10.30 93.60 1946 742,000 20,000 762,000 9.44 78.70 1947 934,000 44,500 979,000 9.39 68.50 1948 927,000 27,200 954,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 55,300 25,400 972,000 14.10 86.40 1953 1,050,000 135,000 22,700 1,150,000 17.20 105 1954 917,000 108,000 22,700 1,150,000 17.20 105 1955 1,060,000 113,000 22,700 1,150,000 21.30 123 1956 1,070,000 93,400 22,700 1,150,000 17.20 105 1957 1,010,000 68,000 22,800 1,100,000 21.30 123 1958 908,000 88,000 18,100 978,000 21.30 119 1960 1,010,000 178,000 20,000 1,130,000 21.30 119 1961 1,060,000 178,000 28,100 1,130,000 21.30 119 1962 1,080,000 171,000 46,300 1,210,000 21.30 119 1963 1,220,000 145,000 46,300 1,220,000 21.30 116 1964 1,190,000 248,000 1,1800 1,220,000 21.30 116 1965 1,270,000 248,000 1,800 1,200,000 1,400 98.5 1966 1,310,000 25,400 1,800 1,200,000 21.30 116 1966 1,270,000 248,000 1,800 1,200,000 1,400 98.5 1967 1,240,000 245,000 25,400 1,500,000 19.60 98.5 1968 1,240,000 245,000 25,400 1,500,000 19.60 98.5 1969 1,340,000 259,000 82,600 43,000 1,500,000 19.40 94.7 1968 1,350,000 254,000 49,900 31,000 1,440,000 20.20 84.6	1936	46,800	149,000			195,000	7.20	84.70	
1939 124,000 141,000 265,000 8.27 97.10 1940 168,000 66,200 234,000 9.11 106 1941 682,000 68,900 751,000 9.11 101 1942 765,000 85,300 885,000 10.30 103 1943 775,000 29,900 805,000 10.80 102 1944 786,000 28,100 814,000 10.60 98.50 1945 757,000 18,100 776,000 10.30 93.60 1946 742,000 20,000 762,000 9.44 78.70 1947 934,000 44,500 979,000 9.39 68.50 1948 927,000 27,200 954,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 50,800 25,400 972,000 14.10 86.40 1953 1,050,000 55,300 25,400 1,080,000 15.00 91.20 1954 917,000 108,000 22,700 1,100,000 13.00 81.50 1955 1,060,000 133,000 22,700 1,100,000 13.00 125 1956 1,070,000 93,400 27,200 1,140,000 20.80 125 1957 1,010,000 68,000 21,800 1,140,000 21.30 123 1958 908,000 88,000 18,100 978,000 21.30 123 1959 1,040,000 151,000 20,000 1,130,000 21.30 116 1961 1,060,000 171,000 46,300 1,210,000 21.30 116 1962 1,080,000 171,000 46,300 1,210,000 21.30 116 1964 1,190,000 263,000 25,400 1,500,000 19.60 98.5 1966 1,310,000 25,400 1,400,000 19.60 98.5 1967 1,240,000 248,000 11,800 1,500,000 19.60 98.5 1966 1,310,000 25,400 1,500,000 19.40 94.7 1968 1,350,000 27,000 50,800 1,500,000 19.40 94.7 1968 1,350,000 27,000 50,800 1,500,000 19.40 94.7 1968 1,350,000 27,000 50,800 1,500,000 19.40 94.7 1969 1,340,000 254,000 49,900 31,000 1,440,000 20.20 84.6	1937	244,000	215,000			459,000	10.7	121	
1940	1938	72,800	136,000			209,000	8.20	95.00	
1941 682,000 68,900 751,000 9.11 101 1942 765,000 85,300 850,000 10.30 103 1943 775,000 29,900 805,000 10.80 102 1944 786,000 28,100 814,000 10.60 98.50 1945 757,000 18,100 776,000 10.30 93.60 1946 742,000 20,000 762,000 9.44 78.70 1947 934,000 44,500 979,000 9.39 68.50 1948 927,000 27,200 954,000 14.30 96.50 1949 754,000 19,100 12,700 760,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 50,800 25,400 972,000 14.10 86.40 1953 1,050,000 55,300 22,700 1,100,000 15.00 91.20 1954 917,000 108,000 22,700 1,150,000 17.20 105 1955 1,060,000 113,000 22,700 1,150,000 17.20 105 1956 1,070,000 93,400 27,200 1,140,000 20.80 125 1957 1,010,000 68,000 21,800 1,060,000 21,30 123 1958 908,000 88,000 21,800 1,130,000 21.30 119 1960 1,010,000 151,000 28,100 1,130,000 21.30 119 1960 1,010,000 178,000 29,000 1,130,000 21.30 116 1961 1,060,000 178,000 29,000 1,210,000 21.30 116 1962 1,080,000 171,000 46,300 1,210,000 21.30 116 1963 1,270,000 248,000 11,800 1,220,000 21.30 116 1964 1,190,000 263,000 39,900 1,210,000 21.30 116 1965 1,270,000 248,000 11,800 1,510,000 21.10 109 1966 1,310,000 259,000 25,400 1,500,000 19,60 98.5 1967 1,240,000 259,000 25,400 1,500,000 19,60 98.5 1969 1,340,000 277,000 50,800 31,000 1,440,000 20.20 84.6	1939	124,000	141,000			265,000	8.27	97.10	
1942 765,000 85,300 859,000 10.30 103 103 104 104 104 105 102 104 104 105 104 105 10	1940	168,000	66,200			234,000	9.11	106	
1943 775,000 29,900 805,000 10.80 102 1944 786,000 28,100 814,000 10.60 98.50 1945 757,000 18,100 776,000 10.30 93.60 1946 742,000 20,000 762,000 9.44 78.70 1947 934,000 44,500 979,000 9.39 68.50 1948 927,000 27,200 954,000 14.30 96.50 1949 754,000 19,100 12,700 760,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 55,300 25,400 972,000 14.10 86.40 1953 1,050,000 55,300 22,700 1,000,000 14.90 90.00 1955 1,060,000 113,000 22,700 1,150,000 17.20 105 1956 1,070,000 93,400 27,200 1,140,000 20.80 125 1957 1,010,000 68,000 21,800 1,130,000 21.30 123 1958 908,000 188,000 21,800 1,130,000 21.30 119 1960 1,010,000 151,000 28,100 1,130,000 21.30 116 1961 1,060,000 171,000 46,300 1,210,000 21.30 116 1962 1,080,000 174,000 46,300 1,210,000 21.30 116 1963 1,120,000 248,000 11,800 1,510,000 21.30 116 1964 1,190,000 263,000 39,900 1,220,000 1,40,000 21.30 116 1965 1,270,000 248,000 11,800 1,500,000 19,60 98.5 1968 1,350,000 277,000 50,800 1,570,000 19.40 98.7 1969 1,340,000 259,000 82,600 43,000 1,510,000 20.00 89.1 1970 1,250,000 244,000 49,900 31,000 1,440,000 20.20 84.6	1941	682,000	68,900			751,000	9.11	101	
1944 786,000 28,100 814,000 10.60 98.50 1945 757,000 18,100 776,000 10.30 93.60 1946 742,000 20,000 762,000 9.44 78.70 1947 934,000 44,500 979,000 9.39 68.50 1948 927,000 27,200 954,000 14.30 96.50 1949 754,000 19,100 12,700 760,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 50,800 25,400 972,000 14.10 86.40 1953 1,050,000 55,300 25,400 1,080,000 15.00 91.20 1954 917,000 108,000 22,700 1,100,000 14.90 90.00 1955 1,060,000 113,000 22,700 1,140,000 20.80 125 1956 1,070,000 93,400 27,200 1,140,000 20.80 123 1958 908,000 88,000 18,100 978,000 21.30 123 1959 1,040,000 111,000 28,100 1,130,000 21.30 116 1962 1,080,000 171,000 28,100 1,210,000 21.30 116 1963 1,120,000 145,000 46,300 1,210,000 21.30 116 1964 1,190,000 263,000 39,900 1,420,000 21.30 112 1965 1,270,000 248,000 11,800 1,510,000 21.30 112 1966 1,310,000 255,000 25,400 1,500,000 19.60 98.5 1967 1,240,000 245,000 25,400 1,500,000 19.60 98.5 1968 1,350,000 277,000 50,800 1,570,000 19.60 98.5 1969 1,340,000 277,000 244,000 49,900 31,000 1,510,000 20.00 89.1 1970 1,250,000 244,000 49,900 31,000 1,440,000 20.20 84.6	1942	765,000	85,300			850,000	10.30	103	
1945 757,000 18,100 776,000 10.30 93.60 1946 742,000 20,000 762,000 9.44 78.70 1947 934,000 44,500 979,000 9.39 68.50 1948 927,000 27,200 954,000 14.30 96.50 1949 754,000 19,100 12,700 760,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 50,800 25,400 972,000 14.10 86.40 1953 1,050,000 55,300 25,400 1,080,000 15.00 91.20 1954 917,000 108,000 22,700 1,000,000 14.90 90.00 1955 1,060,000 113,000 22,700 1,140,000 20.80 125 1956 1,070,000 93,400 27,	1943	775,000	29,900			805,000	10.80	102	
1946	1944	786,000	28,100			814,000	10.60	98.50	
1947 934,000 44,500 979,000 9.39 68.50 1948 927,000 27,200 954,000 14.30 96.50 1949 754,000 19,100 12,700 760,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 50,800 25,400 972,000 14.10 86.40 1953 1,050,000 55,300 25,400 1,080,000 15.00 91.20 1954 917,000 108,000 22,700 1,000,000 14.90 90.00 1955 1,060,000 113,000 22,700 1,150,000 17.20 105 1956 1,070,000 93,400 27,200 1,140,000 20.80 125 1957 1,010,000 68,000 21,800 1,060,000 21.30 123 1959 1	1945	757,000	18,100			776,000	10.30	93.60	
1948 927,000 27,200 954,000 14.30 96.50 1949 754,000 19,100 12,700 760,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 50,800 25,400 972,000 14.10 86.40 1953 1,050,000 55,300 25,400 1,080,000 15.00 91.20 1954 917,000 108,000 22,700 1,000,000 14.90 90.00 1954 917,000 108,000 22,700 1,000,000 17.20 105 1955 1,060,000 113,000 22,700 1,140,000 17.20 105 1956 1,070,000 93,400 27,200 1,140,000 20.80 125 1957 1,010,000 68,000 21,800 1,060,000 21.30 123 <	1946	742,000	20,000			762,000	9.44	78.70	
1949 754,000 19,100 12,700 760,000 17.60 121 1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 50,800 25,400 972,000 14.10 86.40 1953 1,050,000 55,300 25,400 1,080,000 15.00 91.20 1954 917,000 108,000 22,700 1,000,000 14.90 90.00 1955 1,060,000 113,000 22,700 1,150,000 17.20 105 1956 1,070,000 93,400 27,200 1,140,000 20.80 125 1957 1,010,000 68,000 21,800 1,060,000 21.30 123 1958 908,000 88,000 18,100 978,000 21.80 123 1959 1,040,000 151,000 28,100 1,130,000 21.30 119	1947	934,000	44,500			979,000	9.39	68.50	
1950 845,000 60,800 15,400 891,000 16.20 109 1951 1,050,000 73,500 23,600 1,100,000 13.00 81.50 1952 946,000 50,800 25,400 972,000 14.10 86.40 1953 1,050,000 55,300 25,400 1,080,000 15.00 91.20 1954 917,000 108,000 22,700 1,000,000 14.90 90.00 1955 1,060,000 113,000 22,700 1,150,000 17.20 105 1956 1,070,000 93,400 27,200 1,140,000 20.80 125 1957 1,010,000 68,000 21,800 1,060,000 21.30 123 1958 908,000 88,000 18,100 978,000 21.80 123 1959 1,040,000 111,000 20,000 1,130,000 21.30 119 1960 1,010,000 151,000 28,100 1,210,000 21.30 116	1948	927,000	27,200			954,000	14.30	96.50	
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1970 1,250,000 244,000 49,900 31,000 1,440,000 20.20 84.6					43,000				
	1970	1,250,000	244,000	49,900	31,000	1,440,000			
	1971	1,230,000	243,000	59,900	77,100	1,410,000			

$\begin{array}{c} \textbf{SODIUM SULFATE STATISTICS}^1 \\ \textbf{U.S. GEOLOGICAL SURVEY} \end{array}$

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

Last modification: October 23, 2007

	Primary		Lust II	ounication.	Apparent	Unit value	Unit value	World
Year	production	Imports	Exports	Stocks	consumption	(\$/t)	(98\$/t)	production
1972	1,200,000	271,000	26,300	80,700	1,450,000	17.90	69.9	3,760,000
1973	1,300,000	290,000	40,800	14,500	1,620,000	19.00	69.8	4,030,000
1974	1,220,000	340,000	46,300	22,700	1,510,000	26.40	87.4	4,130,000
1975	1,110,000	259,000	69,900	28,100	1,300,000	45.70	139	4,440,000
1976	1,120,000	287,000	51,700	50,800	1,330,000	54.30	155	4,460,000
1977	1,090,000	202,000	39,000	84,400	1,220,000	50.80	137	4,090,000
1978	1,060,000	123,000	76,200	51,700	1,140,000	50.80	127	5,240,000
1979	1,020,000	171,000	92,500	26,300	1,120,000	61.40	138	5,500,000
1980	1,030,000	209,000	117,000	29,900	1,120,000	68.80	136	4,530,000
1981	1,010,000	249,000	112,000	59,900	1,110,000	79.30	142	4,600,000
1982	784,000	357,000	101,000	27,200	1,070,000	91.50	155	4,380,000
1983	829,000	311,000	82,600	43,500	1,040,000	103	168	4,310,000
1984	817,000	240,000	68,900	53,500	979,000	102	159	4,400,000
1985	736,000	177,000	108,000	28,100	830,000	102	154	4,490,000
1986	763,000	171,000	101,000	65,300	796,000	94.90	141	4,590,000
1987	725,000	125,000	111,000	50,000	754,000	97.30	140	4,900,000
1988	743,000	136,000	77,000	54,000	798,000	86.90	120	4,860,000
1989	685,000	173,000	62,000	24,000	826,000	91.60	120	4,870,000
1990	713,000	162,000	62,000	39,000	798,000	90.10	112	5,000,000
1991	720,000	157,000	103,000	35,000	778,000	88.60	106	4,840,000
1992	553,000	158,000	155,000	47,000	544,000	91.90	107	4,300,000
1993	537,000	163,000	89,000	42,000	616,000	76.50	86.40	4,980,000
1994	591,000	190,000	65,000	34,000	724,000	81.20	89.30	
1995	645,000	206,000	66,000	16,000	803,000	84.50	90.40	5,310,000
1996	602,000	177,000	85,700	19,000	690,000	88.90	92.40	5,370,000
1997	640,000	150,000	86,300	26,000	697,000	98.90	101	5,520,000
1998	571,000	110,000	90,000	33,000	591,000	126	126	5,600,000
1999	599,000	87,000	137,000		549,000	126	123	5,750,000
2000	462,000	73,000	165,000		370,000	126	119	5,750,000
2001	512,000	34,000	191,000		355,000	126	116	5,750,000
2002	500,000	40,000	100,000		440,000	126	114	5,750,000
2003	466,000	45,000	154,000		357,000	148	131	5,750,000
2004	467,000	49,000	138,000		378,000	148	127	5,750,000
2005	309,000	75,000	149,000		235,000	148	124	5,750,000
2006	290,000	61,000	158,000		193,000	148	120	5,750,000

¹Compiled by K.E. Porter (retired) and D.S. Kostick.

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

Sodium Sulfate Worksheet Notes

Data Sources

The sources of data for the sodium sulfate worksheet are the mineral statistics publications of the U.S. Bureau of Mines (USBM) and the U.S. Geological Survey (USGS)—Minerals Yearbook (MYB) and Mineral Commodity Summaries (MCS) and its predecessor, Commodity Data Summaries (CDS). Natural sodium sulfate production and stock data were collected by USBM and USGS. The U.S. Census Bureau collected natural and synthetic sodium sulfate production, import, and export data. 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 were either not available or were withheld because they are proprietary.

Primary Production

Natural sodium sulfate production data were first reported in the 1932–33 MYB with data back to 1920. First mention and data reporting for manufactured (synthetic) sodium compounds from chemical works were in the 1937 MYB with regular reporting of data for manufactured compounds starting in the 1945 MYB. Reporting of natural sodium sulfate production data ended after 1997 because the data were proprietary, resulting in the termination of the MYB chapter. Combined natural and synthetic sodium sulfate production data obtained from the U.S. Census Bureau continued to be reported in the MCS.

Imports

Import data were first reported in the 1932–33 MYB with data back to 1928 and initially included only Glauber's salt and anhydrous sodium sulfate. Data for crude sodium sulfate (salt cake) were reported, in addition to the above products, starting with the 1934 MYB. Sodium sulfate import data were not reported in the MYB after 1997 because the MYB chapter was terminated. Combined reporting of natural and synthetic sodium sulfate import data continued in the MCS.

Exports

Export data were first reported in the 1932–33 MYB with data for the years 1929–32. Export data for 1928 were not reported separately. Exports were small and not separately classified for the years 1933–48. Sodium sulfate export data were not reported in the MYB after 1997 because the MYB chapter was terminated. Combined reporting of natural and synthetic sodium sulfate export data continued in the MCS.

Stocks

Producer stock data were first reported in the 1976 MCS with data back to 1971. Stock data were withheld since 1998 in the MCS because the data were proprietary.

Apparent Consumption

Apparent consumption is defined as follows:

APPARENT CONSUMPTION = PRIMARY PRODUCTION + IMPORTS - EXPORTS ± STOCK CHANGES.

Both natural and synthetic sodium sulfates are included in estimating the apparent consumption.

Unit Value (\$/t)

Unit value is the value in actual U.S. dollars of 1 metric ton (t) of sodium sulfate apparent consumption. Unit value is estimated by dividing the value of production, imports, and exports by the quantity of production, imports, and exports, respectively, of sodium sulfate as reported in the MYB. Synthetic sodium sulfate is assumed to have the same unit value as natural sodium sulfate for the purpose of valuing the apparent consumption. Sodium sulfate production, import, and export quantity and value data were not reported in the MYB after 1997 because the MYB chapter was terminated. Combined reporting of natural and synthetic sodium sulfate production, import, and export quantity data continued in the MCS, but value data were not reported. Unit value data from 1998–2006 is based on the price for bulk, f.o.b., 100 percent sodium sulfate, east coast data from the MCS.

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

Total world production data (natural and synthetic sodium sulfate) were reported in the MYB starting in 1974 with data back to 1972. Sodium sulfate world production data were not reported in the MYB after 1997 because the MYB chapter was terminated. Natural and synthetic sodium sulfate world production data were reported for the years 1998–2006 in the MCS.

References

U.S. Bureau of Mines, 1933–96, Minerals Yearbook, 1932–94.

U.S. Bureau of Mines, 1962–77, Commodity Data Summaries, 1962–77.

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- U.S. Geological Survey, 1997–2007, Mineral Commodity Summaries, 1997–2007.
- U.S. Geological Survey, 1997–99, Minerals Yearbook, v. I, 1995–97.
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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, available online at http://pubs.usgs.gov/ds/2005/140/. (Accessed [date].)

For more information, please contact:

USGS Sodium Sulfate Commodity Specialist