PUMICE AND PUMICITE STATISTICS 1 U.S. GEOLOGICAL SURVEY

[All values in metric tons (t) pumice and pumicite unless otherwise noted]

Last modification: October 16, 2007

		Las	t mount	ation: Octobe		TT	***************************************
T 7	D 1 (1	.	T	Apparent		Unit value	
Year	Production	Imports	Exports	consumption	(\$/t)	(98\$/t)	production
1900							
1901							
1902	635			635	4.33	82.00	
1903	776			776	3.32	60.00	
1904	1,390			1,390	3.90	71.00	
1905	1,660			1,660	3.33	61.00	
1906	11,100			11,100	1.51	27.00	
1907	7,360			7,360	4.60	81.00	
1908	9,590			9,590	4.10	75.00	
1909	13,700			13,700	2.44	44.00	
1910	21,100			21,100	4.50	79.00	
1911	19,700			19,700	4.50	79.00	
1912	24,600			24,600	3.52	60.00	
1913	22,300			22,300	2.49	41.00	
1914	25,000			25,000	2.36	38.50	
1915	25,100			25,100	2.51	40.50	
1916	30,200			30,200	2.72	40.70	
1917	32,000			32,000	2.65	33.80	
1918	27,800			27,800	3.29	35.50	
1919	32,700			32,700	3.57	33.70	
1920	38,000			38,000	3.01	24.50	66,000
1921	33,700			33,700	4.71	42.80	47,600
1922	41,100			41,100	4.71	42.80	
1923	51,300			51,300		39.80	275,000
1923	39,600	8,230		47,800	4.18 4.81		
1924	36,600					45.80	157,000
1923		9,200		45,800	4.88	45.60	166,000
	48,900	8,700		57,600	4.27	39.20	
1927	48,400	8,100		56,500	4.59	42.90	
1928	52,100	10,100		62,200	5.35	51.00	
1929	67,000	8,770		75,800	5.81	55.30	
1930	51,600	5,900		57,500	6.52	63.90	
1931	35,000	5,940		41,000	5.42	58.10	
1932	48,300	4,030		52,300	4.87	58.00	
1933	55,500			61,700	4.35	54.50	
1934	50,900	6,430		57,400	4.07	49.50	
1935	54,400	7,930		62,400	4.54	54.10	
1936	66,100	6,390		72,500	4.96	58.20	
1937	64,400	7,960		72,400	4.69	53.10	
1938	59,600	5,390		65,000	5.25	60.70	
1939	80,900	6,040		86,900	5.25	61.60	
1940	74,800	3,410		78,200	6.69	77.90	
1941	106,000	39		107,000	6.29	69.70	
1942	115,000	61		115,000	6.15	61.50	
1943	77,200	30		77,300	7.92	74.70	
1944	80,500	36		80,600	8.74	80.90	
1945	142,000	9		142,000	7.37	67.00	
1946	290,000	5,860		296,000	5.47	45.60	
1947	401,000	7,810		409,000	5.04	36.80	
1948	551,000	8,400		560,000	4.54	30.70	
1949	650,000	8,710		659,000	3.65	25.00	
1950	653,000	18,400		671,000	4.08	27.60	
1951	680,000	15,000		695,000	4.05	25.30	
	, 0	- ,		,		0	, ,

PUMICE AND PUMICITE STATISTICS 1 U.S. GEOLOGICAL SURVEY

[All values in metric tons (t) pumice and pumicite unless otherwise noted]

Last modification: October 16, 2007

Vear 1952 Production 542,000 Imports 20,400 Exports 562,000 4.18 25.60 2,180,00 1953 615,000 30,500 646,000 1.27 7.74 5,350,00 1954 868,000 19,900 888,000 2.88 17.50 5,620,00 1955 764,000 31,300 795,000 3.20 19,50 6,530,00 1957 957,000 33,800 71,000 920,000 3.23 18,80 8,260,00 1958 839,000 36,700 100,000 776,000 3.68 20.80 8,440,00 1959 711,000 23,300 735,000 4.60 25,70 9,710,00 1960 545,000 32,300 882,000 4.95 27,10 11,900,00 1961 849,000 32,300 882,000 4.95 27,10 11,900,00 1962 484,000 77,600 561,000 6,64 35,90 12,400,00 1963 953,000 143,000 1,160,00			Las	t mount	ation: Octobe		TT 1/ 1	*** 11
1952 542,000 20,400 562,000 4.18 25.60 2,180,00 1953 615,000 30,500 646,000 1.27 7.74 5,350,00 1955 764,000 31,300 795,000 3.20 19,50 5,520,00 1955 764,000 31,300 795,000 3.20 19,50 6,530,00 1956 805,000 30,500 835,000 4.00 24.00 8,350,00 1957 957,000 33,800 71,000 920,000 3.23 18,80 8,260,00 1958 839,000 36,700 100,000 776,000 3.68 20,80 8,440,000 1959 711,000 23,300 735,000 4.60 25.70 9,710,00 1960 545,000 52,200 598,000 4.96 27.30 10,800,00 1961 849,000 32,300 882,000 4.95 27.10 11,900,00 1962 484,000 77,600 561,000 6.64 35.90 12,400,000 1964 1,060,000 99,700 1,160,000 3.87 20,40 15,200,00 1964 1,060,000 99,700 1,160,000 3.87 20,40 15,200,00 1965 438,000 173,000 260 611,000 5.58 26.50 14,700,000 1966 498,000 226,000 270 754,000 5.28 26.50 14,700,000 1967 704,000 223,000 310 927,000 3.12 14.70 13,600,00 1968 436,000 236,000 270 754,000 5.28 26.50 14,700,000 1968 436,000 236,000 270 754,000 5.28 26.50 14,700,000 1967 704,000 23,000 310 927,000 3.12 14.70 13,600,000 1970 445,000 331,000 280 776,000 2.78 11.70 14,300,000 1971 490,000 363,000 320 852,000 2.86 11.50 14,800,000 1972 717,000 543,000 230 1,260,000 2.66 11.50 14,800,000 1972 717,000 543,000 230,000 1,000 483 17.70 14,900,000 1973 748,000 230,000 1,000 847,000 2.86 11.50 14,800,000 1975 717,000 543,000 2,600 1,000 0,483 17.70 14,900,000 1975 717,000 320,000 1,000 847,000 4.87 14,80 14,700,000 1975 717,000 320,000 1,000 847,000 4.88 11.50 14,900,000 1975 717,000 230,000 1,000 847,000 4.88 11.50 17,000,000 1988 353,000 306,000 1,000 848,0000 3,80 17.00 10,800,000 1988 353,000 306,000 1,000 688,000 11.40 17.		35 3 11			Apparent			
1953				Exports		, ,		_
1954 868,000 19,900 888,000 2.88 17.50 5.620,000 1955 764,000 31,300 795,000 3.20 19,50 6,530,000 1956 805,000 30,500 835,000 4.00 24.00 8,350,000 1957 957,000 33,800 71,000 920,000 3.23 18.80 8,260,000 1958 839,000 36,700 100,000 776,000 3.68 20.80 8,440,000 1959 711,000 23,300 735,000 4.60 25.70 9,710,000 1960 545,000 52,200 598,000 4.96 27.30 10,800,000 1961 849,000 32,300 882,000 4.95 27.10 11,900,000 1962 484,000 77,600 561,000 6.64 35.90 12,400,000 1963 953,000 143,000 1,100,000 2.29 12.20 15,100,000 1965 438,000 173,000 260 611,000 3.87 20.40 15,200,000 1965 438,000 256,000 270 754,000 5.28 26.50 14,700,000 1966 498,000 283,000 310 927,000 2.05 10.00 14,000,000 1968 436,000 283,000 570 719,000 3.12 14,70 13,600,000 1969 543,000 331,000 280 776,000 2.78 11.10 14,700,000 1970 445,000 331,000 280 776,000 2.78 11.70 14,300,000 1971 490,000 363,000 320 852,000 2.78 11.70 14,800,000 1972 717,000 543,000 230 1,260,000 2.62 10,20 15,600,000 1973 748,000 282,000 2,800 1,030,000 4.83 17.70 14,900,000 1975 717,000 543,000 230 1,260,000 2.62 10,20 15,600,000 1975 717,000 343,000 230 1,260,000 2.62 10,20 15,500,000 1975 717,000 320,000 1,600 1,300,000 4.83 17.70 14,900,000 1975 717,000 320,000 1,600 1,300,000 4.83 17.70 14,900,000 1975 717,000 320,000 1,600 1,260,000 4.66 13.40 15,800,000 1975 717,000 320,000 1,600 1,200,000 4.61 11.10 17,800,000 1988 455,000 266,000 2,600 1,060,000 4.83 10.30 17,000,000 1988 455,000 266,000 2,600 1,600,000 4.81 10.00 17,800,000 1988 455,000 266,000 27,000 1,200,000 4.85 10.30 17,000,000 1988 455,000 266,000 20,000 1,600,000 4.61 1.10 1.10 1.								
1955					·			
1956					· ·			
1957 957,000 33,800 71,000 920,000 3.23 18.80 8.260,000 1958 839,000 36,700 100,000 776,000 3.68 20.80 8.440,000 1959 711,000 23,300 735,000 4.60 25.70 9,710,000 1960 545,000 52,200 598,000 4.96 27,30 10,800,000 1961 849,000 32,300 882,000 4.95 27,10 11,900,000 1962 484,000 77,600 561,000 6.64 35.90 12,400,000 1963 953,000 143,000 1,100,000 2.29 12.20 15,100,000 1964 1,060,000 99,700 1,160,000 3.87 20.40 15,200,000 1965 438,000 173,000 260 611,000 5.58 28.90 14,900,000 1966 498,000 256,000 270 754,000 5.28 26.50 14,700,000 1966 498,000 256,000 270 754,000 5.28 26.50 14,700,000 1968 436,000 23,000 310 927,000 2.05 10,00 14,000,000 1969 543,000 349,000 480 891,000 2.49 11.10 14,700,000 1970 445,000 331,000 280 776,000 2.78 11.70 14,300,000 1971 490,000 363,000 320 852,000 2.86 11.50 14,800,000 1972 717,000 543,000 23,000 320 852,000 2.86 11.50 14,800,000 1973 748,000 28,000 2,800 1,030,000 4.83 17,70 14,900,000 1975 717,000 33,000 21,000 1,000 847,000 4.87 14.80 14,700,000 1975 717,000 33,000 1,000 847,000 4.87 14.80 14,700,000 1975 717,000 33,000 1,600 1,300,000 4.83 17,70 14,900,000 1976 822,000 73,500 920 895,000 4.66 13.40 15,800,000 1978 1,070,000 23,000 1,600 1,300,000 4.33 11.70 15,250,000 1980 435,000 35,000 1,600 1,300,000 4.58 10.30 17,700,000 1984 455,000 266,000 1,600 1,200,000 4.58 10.30 17,700,000 1984 455,000 266,000 910 573,000 11.00 18.00 10,700,000 1984 455,000 266,000 1,000 668,000 9.88 15.00 11,000,000 1985 461,000 20,000 10,000 680,000 10,80 17.00 12,200,000 1985 461,000 20,000 700,000 10,800 17.00 12,200,000 1985 461,000 20,000 700,000 10,800 17.00		·						
1958 839,000 36,700 100,000 776,000 3.68 20.80 8,440,00 1959 711,000 23,300 735,000 4.60 25.70 9,710,00 1960 545,000 52,200 598,000 4.96 27.30 10,800,00 1961 849,000 32,300 882,000 4.95 27.10 11,900,00 1962 484,000 77,600 561,000 6.64 35.90 12,400,00 1963 953,000 143,000 1,100,000 2.29 12.20 15,100,00 1964 1,060,000 99,700 1,160,000 3.87 20.40 15,200,00 1965 438,000 173,000 260 611,000 5.58 28.90 14,900,00 1965 438,000 173,000 260 611,000 5.58 26.50 14,700,00 1966 498,000 256,000 270 754,000 5.28 26.50 14,700,00 1968 436,000 283,000 570 719,000 3.12 14.70 13,600,00 1968 436,000 283,000 570 719,000 3.12 14.70 13,600,00 1970 445,000 331,000 280 776,000 2.78 11.70 14,300,00 1971 490,000 363,000 320 852,000 2.86 11.50 14,800,00 1972 717,000 543,000 230 1,260,000 2.62 10.20 15,600,00 1973 748,000 282,000 2,800 1,030,000 4.83 17.70 14,900,00 1975 717,000 132,000 1,100 847,000 4.87 14.80 14,700,00 1975 717,000 132,000 1,100 847,000 4.87 14.80 14,700,00 1975 717,000 132,000 1,600 1,300,000 4.83 17.70 14,900,00 1975 717,000 33,000 1,600 1,300,000 4.41 11.00 17,800,00 1976 822,000 73,500 920 895,000 4.41 11.00 17,800,00 1978 1,060,000 56,200 1,800 1,290,000 4.41 11.00 17,800,00 1980 493,000 176,000 910 688,000 9.52 17.10 12,800,00 1982 377,000 110,000 910 680,000 9.52 17.10 12,800,00 1982 377,000 110,000 910 680,000 9.52 17.10 12,800,000 1984 455,000 266,000 1,000 602,000 12.60 18.10 10,700,00 1985 461,000 270,000 1,000 602,000 12.60 18.10 10,700,000 1985 461,000 270,000 10,000 602,000 12.60 18.10 10,700,000 1985 451,000 270,000 1,000 602,000 12.60 18.10 10,700,000 1998 424		·						
1959								
1960				100,000				
1961								
1962		·			,			10,800,000
1963		849,000						11,900,000
1964		·						
1965		·	143,000			2.29		
1966					1,160,000			
1967								
1968	1966	498,000		270	754,000	5.28		
1969								
1970 445,000 331,000 280 776,000 2.78 11.70 14,300,00 1971 490,000 363,000 320 852,000 2.86 11.50 14,800,00 1972 717,000 543,000 230 1,260,000 2.62 10.20 15,600,00 1973 748,000 282,000 2,800 1,030,000 4.83 17.70 14,900,00 1974 792,000 266,000 2,600 1,060,000 4.63 15.30 14,000,00 1975 717,000 132,000 1,100 847,000 4.87 14.80 14,700,00 1976 822,000 73,500 920 895,000 4.66 13.40 15,800,00 1977 1,070,000 230,000 1,600 1,300,000 4.33 11.70 15,500,00 1978 1,100,000 16,600 1,300,000 4.41 11.00 17,800,00 1979 1,060,000 56,200 1,800 1,120,000 4.58 <t< td=""><td></td><td></td><td>283,000</td><td>570</td><td>719,000</td><td></td><td>14.70</td><td>13,600,000</td></t<>			283,000	570	719,000		14.70	13,600,000
1971 490,000 363,000 320 852,000 2.86 11.50 14,800,00 1972 717,000 543,000 230 1,260,000 2.62 10.20 15,600,00 1973 748,000 282,000 2,800 1,030,000 4.83 17.70 14,900,00 1974 792,000 266,000 2,600 1,060,000 4.63 15.30 14,000,00 1975 717,000 132,000 1,100 847,000 4.87 14.80 14,700,00 1976 822,000 73,500 920 895,000 4.66 13.40 15,800,00 1977 1,070,000 230,000 1,600 1,300,000 4.33 11.70 15,500,00 1978 1,100,000 196,000 1,800 1,290,000 4.41 11.00 17,800,00 1979 1,060,000 56,200 1,800 1,120,000 4.58 10.30 17,700,00 1980 493,000 176,000 910 668,000	1969	543,000	349,000	480	891,000	2.49	11.10	14,700,000
1972 717,000 543,000 230 1,260,000 2.62 10.20 15,600,00 1973 748,000 282,000 2,800 1,030,000 4.83 17.70 14,900,00 1974 792,000 266,000 2,600 1,060,000 4.63 15.30 14,000,00 1975 717,000 132,000 1,100 847,000 4.87 14.80 14,700,00 1976 822,000 73,500 920 895,000 4.66 13.40 15,800,00 1977 1,070,000 230,000 1,600 1,300,000 4.33 11.70 15,500,00 1978 1,100,000 196,000 1,800 1,290,000 4.41 11.00 17,800,00 1979 1,060,000 56,200 1,800 1,120,000 4.58 10.30 17,700,00 1980 493,000 176,000 910 668,000 8.66 17.10 15,250,00 1981 453,000 83,500 910 535,000 <	1970	445,000	331,000	280	776,000	2.78	11.70	14,300,000
1973 748,000 28,000 2,800 1,030,000 4.83 17.70 14,900,00 1974 792,000 266,000 2,600 1,060,000 4.63 15.30 14,000,00 1975 717,000 132,000 1,100 847,000 4.87 14.80 14,700,00 1976 822,000 73,500 920 895,000 4.66 13.40 15,800,00 1977 1,070,000 230,000 1,600 1,300,000 4.33 11.70 15,500,00 1978 1,100,000 196,000 1,800 1,290,000 4.41 11.00 17,800,00 1979 1,060,000 56,200 1,800 1,120,000 4.58 10.30 17,700,00 1980 493,000 176,000 910 668,000 8.66 17.10 15,250,00 1981 453,000 83,500 910 535,000 9.52 17.10 12,800,00 1982 377,000 110,000 910 573,000	1971	490,000	363,000	320	852,000	2.86	11.50	14,800,000
1974 792,000 266,000 2,600 1,060,000 4.63 15.30 14,000,00 1975 717,000 132,000 1,100 847,000 4.87 14.80 14,700,00 1976 822,000 73,500 920 895,000 4.66 13.40 15,800,00 1977 1,070,000 230,000 1,600 1,300,000 4.33 11.70 15,500,00 1978 1,100,000 196,000 1,800 1,290,000 4.41 11.00 17,800,00 1979 1,060,000 56,200 1,800 1,120,000 4.58 10.30 17,700,00 1980 493,000 176,000 910 668,000 8.66 17.10 15,250,000 1981 453,000 83,500 910 535,000 9.52 17.10 12,800,000 1982 377,000 110,000 910 486,000 9.93 16.80 11,700,000 1983 407,000 167,000 910 573,000	1972	717,000	543,000	230	1,260,000	2.62	10.20	15,600,000
1975 717,000 132,000 1,100 847,000 4.87 14.80 14,700,00 1976 822,000 73,500 920 895,000 4.66 13.40 15,800,00 1977 1,070,000 230,000 1,600 1,300,000 4.33 11.70 15,500,00 1978 1,100,000 196,000 1,800 1,290,000 4.41 11.00 17,800,00 1979 1,060,000 56,200 1,800 1,120,000 4.58 10.30 17,700,00 1980 493,000 176,000 910 668,000 8.66 17.10 12,800,00 1981 453,000 83,500 910 535,000 9.52 17.10 12,800,00 1982 377,000 110,000 910 486,000 9.93 16.80 11,700,00 1983 407,000 167,000 910 573,000 11.00 18.00 10,700,00 1984 455,000 266,000 910 720,000 10.80<	1973	748,000	282,000	2,800	1,030,000	4.83	17.70	14,900,000
1976 822,000 73,500 920 895,000 4.66 13.40 15,800,00 1977 1,070,000 230,000 1,600 1,300,000 4.33 11.70 15,500,00 1978 1,100,000 196,000 1,800 1,290,000 4.41 11.00 17,800,00 1979 1,060,000 56,200 1,800 1,120,000 4.58 10.30 17,700,00 1980 493,000 176,000 910 668,000 8.66 17.10 15,250,00 1981 453,000 83,500 910 535,000 9.52 17.10 12,800,00 1982 377,000 110,000 910 486,000 9.93 16.80 11,700,00 1983 407,000 167,000 910 573,000 11.00 18.00 10,700,00 1984 455,000 266,000 910 720,000 10.80 17.00 12,200,00 1985 461,000 220,000 910 680,000 9.88 <td>1974</td> <td>792,000</td> <td>266,000</td> <td>2,600</td> <td>1,060,000</td> <td>4.63</td> <td>15.30</td> <td>14,000,000</td>	1974	792,000	266,000	2,600	1,060,000	4.63	15.30	14,000,000
1977 1,070,000 230,000 1,600 1,300,000 4.33 11.70 15,500,00 1978 1,100,000 196,000 1,800 1,290,000 4.41 11.00 17,800,00 1979 1,060,000 56,200 1,800 1,120,000 4.58 10.30 17,700,00 1980 493,000 176,000 910 668,000 8.66 17.10 15,250,00 1981 453,000 83,500 910 535,000 9.52 17.10 12,800,00 1982 377,000 110,000 910 486,000 9.93 16.80 11,700,00 1983 407,000 167,000 910 573,000 11.00 18.00 10,700,00 1984 455,000 266,000 910 720,000 10.80 17.00 12,200,00 1985 461,000 220,000 910 680,000 9.88 15.00 11,000,00 1986 503,000 349,000 1,000 851,000 11.4	1975	717,000	132,000	1,100	847,000	4.87	14.80	14,700,000
1978 1,100,000 196,000 1,800 1,290,000 4.41 11.00 17,800,000 1979 1,060,000 56,200 1,800 1,120,000 4.58 10.30 17,700,000 1980 493,000 176,000 910 668,000 8.66 17.10 15,250,000 1981 453,000 83,500 910 535,000 9.52 17.10 12,800,000 1982 377,000 110,000 910 486,000 9.93 16.80 11,700,000 1983 407,000 167,000 910 573,000 11.00 18.00 10,700,000 1984 455,000 266,000 910 720,000 10.80 17.00 12,200,000 1985 461,000 220,000 910 680,000 9.88 15.00 11,000,000 1986 503,000 349,000 1,000 851,000 11.40 17.00 10,400,000 1987 356,000 247,000 1,000 658,000 <t< td=""><td>1976</td><td>822,000</td><td>73,500</td><td>920</td><td>895,000</td><td>4.66</td><td>13.40</td><td>15,800,000</td></t<>	1976	822,000	73,500	920	895,000	4.66	13.40	15,800,000
1979 1,060,000 56,200 1,800 1,120,000 4.58 10.30 17,700,00 1980 493,000 176,000 910 668,000 8.66 17.10 15,250,00 1981 453,000 83,500 910 535,000 9.52 17.10 12,800,00 1982 377,000 110,000 910 486,000 9.93 16.80 11,700,00 1983 407,000 167,000 910 573,000 11.00 18.00 10,700,00 1984 455,000 266,000 910 720,000 10.80 17.00 12,200,00 1985 461,000 220,000 910 680,000 9.88 15.00 11,000,00 1986 503,000 349,000 1,000 851,000 11.40 17.00 10,400,00 1987 356,000 247,000 1,000 602,000 12.60 18.10 10,700,00 1988 353,000 306,000 1,000 658,000 11.70	1977	1,070,000	230,000	1,600	1,300,000	4.33	11.70	15,500,000
1980 493,000 176,000 910 668,000 8.66 17.10 15,250,000 1981 453,000 83,500 910 535,000 9.52 17.10 12,800,000 1982 377,000 110,000 910 486,000 9.93 16.80 11,700,000 1983 407,000 167,000 910 573,000 11.00 18.00 10,700,000 1984 455,000 266,000 910 720,000 10.80 17.00 12,200,000 1985 461,000 220,000 910 680,000 9.88 15.00 11,000,000 1986 503,000 349,000 1,000 851,000 11.40 17.00 10,400,000 1987 356,000 247,000 1,000 602,000 12.60 18.10 10,700,000 1988 353,000 306,000 1,000 658,000 11.70 16.10 10,800,000 1990 443,000 280,000 20,000 703,000 24	1978	1,100,000	196,000	1,800	1,290,000	4.41	11.00	17,800,000
1981 453,000 83,500 910 535,000 9.52 17.10 12,800,000 1982 377,000 110,000 910 486,000 9.93 16.80 11,700,000 1983 407,000 167,000 910 573,000 11.00 18.00 10,700,000 1984 455,000 266,000 910 720,000 10.80 17.00 12,200,000 1985 461,000 220,000 910 680,000 9.88 15.00 11,000,000 1986 503,000 349,000 1,000 602,000 12.60 18.10 10,700,000 1987 356,000 247,000 1,000 658,000 11.70 16.10 10,800,000 1988 353,000 306,000 7,000 710,000 19.40 25.50 12,300,000 1999 443,000 293,000 7,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000 <td< td=""><td>1979</td><td>1,060,000</td><td>56,200</td><td>1,800</td><td>1,120,000</td><td>4.58</td><td>10.30</td><td>17,700,000</td></td<>	1979	1,060,000	56,200	1,800	1,120,000	4.58	10.30	17,700,000
1982 377,000 110,000 910 486,000 9.93 16.80 11,700,000 1983 407,000 167,000 910 573,000 11.00 18.00 10,700,000 1984 455,000 266,000 910 720,000 10.80 17.00 12,200,000 1985 461,000 220,000 910 680,000 9.88 15.00 11,000,000 1986 503,000 349,000 1,000 851,000 11.40 17.00 10,400,000 1987 356,000 247,000 1,000 602,000 12.60 18.10 10,700,000 1988 353,000 306,000 1,000 658,000 11.70 16.10 10,800,000 1989 424,000 293,000 7,000 710,000 19.40 25.50 12,300,000 1990 443,000 280,000 20,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000	1980	493,000	176,000	910	668,000	8.66	17.10	15,250,000
1983 407,000 167,000 910 573,000 11.00 18.00 10,700,000 1984 455,000 266,000 910 720,000 10.80 17.00 12,200,000 1985 461,000 220,000 910 680,000 9.88 15.00 11,000,000 1986 503,000 349,000 1,000 851,000 11.40 17.00 10,400,000 1987 356,000 247,000 1,000 602,000 12.60 18.10 10,700,000 1988 353,000 306,000 1,000 658,000 11.70 16.10 10,800,000 1989 424,000 293,000 7,000 710,000 19.40 25.50 12,300,000 1990 443,000 280,000 20,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000 22.90 27.40 10,800,000 1992 481,000 257,000 11,000 727,000	1981			910		9.52	17.10	12,800,000
1984 455,000 266,000 910 720,000 10.80 17.00 12,200,000 1985 461,000 220,000 910 680,000 9.88 15.00 11,000,000 1986 503,000 349,000 1,000 851,000 11.40 17.00 10,400,000 1987 356,000 247,000 1,000 602,000 12.60 18.10 10,700,000 1988 353,000 306,000 1,000 658,000 11.70 16.10 10,800,000 1989 424,000 293,000 7,000 710,000 19.40 25.50 12,300,000 1990 443,000 280,000 20,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000 22.90 27.40 10,800,000 1992 481,000 257,000 11,000 727,000 31.00 36.00 11,100,000 1993 469,000 143,000 18,000 594,000	1982			910	486,000	9.93	16.80	11,700,000
1985 461,000 220,000 910 680,000 9.88 15.00 11,000,000 1986 503,000 349,000 1,000 851,000 11.40 17.00 10,400,000 1987 356,000 247,000 1,000 602,000 12.60 18.10 10,700,000 1988 353,000 306,000 1,000 658,000 11.70 16.10 10,800,000 1989 424,000 293,000 7,000 710,000 19.40 25.50 12,300,000 1990 443,000 280,000 20,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000 22.90 27.40 10,800,000 1992 481,000 257,000 11,000 727,000 31.00 36.00 11,100,000 1993 469,000 143,000 18,000 594,000 25.70 29.00 11,000,000 1994 490,000 143,000 16,000 728,000 </td <td>1983</td> <td>407,000</td> <td>167,000</td> <td></td> <td>573,000</td> <td>11.00</td> <td>18.00</td> <td>10,700,000</td>	1983	407,000	167,000		573,000	11.00	18.00	10,700,000
1986 503,000 349,000 1,000 851,000 11.40 17.00 10,400,000 1987 356,000 247,000 1,000 602,000 12.60 18.10 10,700,000 1988 353,000 306,000 1,000 658,000 11.70 16.10 10,800,000 1989 424,000 293,000 7,000 710,000 19.40 25.50 12,300,000 1990 443,000 280,000 20,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000 22.90 27.40 10,800,000 1992 481,000 257,000 11,000 727,000 31.00 36.00 11,100,000 1993 469,000 143,000 18,000 594,000 25.70 29.00 11,000,000 1994 490,000 143,000 18,000 615,000 24.10 26.50 11,400,000 1995 529,000 238,000 16,000 728,0		455,000	266,000	910				
1987 356,000 247,000 1,000 602,000 12.60 18.10 10,700,000 1988 353,000 306,000 1,000 658,000 11.70 16.10 10,800,000 1989 424,000 293,000 7,000 710,000 19.40 25.50 12,300,000 1990 443,000 280,000 20,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000 22.90 27.40 10,800,000 1992 481,000 257,000 11,000 727,000 31.00 36.00 11,100,000 1993 469,000 143,000 18,000 594,000 25.70 29.00 11,000,000 1994 490,000 143,000 18,000 615,000 24.10 26.50 11,400,000 1995 529,000 238,000 16,000 728,000 25.00 26.70 11,500,000 1996 612,000 215,000 13,000 814,	1985	461,000	220,000	910	680,000	9.88	15.00	11,000,000
1988 353,000 306,000 1,000 658,000 11.70 16.10 10,800,000 1989 424,000 293,000 7,000 710,000 19.40 25.50 12,300,000 1990 443,000 280,000 20,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000 22.90 27.40 10,800,000 1992 481,000 257,000 11,000 727,000 31.00 36.00 11,100,000 1993 469,000 143,000 18,000 594,000 25.70 29.00 11,000,000 1994 490,000 143,000 18,000 615,000 24.10 26.50 11,400,000 1995 529,000 238,000 16,000 728,000 25.00 26.70 11,500,000 1996 612,000 215,000 13,000 814,000 24.20 25.10 11,400,000	1986	503,000	349,000	1,000	851,000	11.40	17.00	10,400,000
1989 424,000 293,000 7,000 710,000 19.40 25.50 12,300,000 1990 443,000 280,000 20,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000 22.90 27.40 10,800,000 1992 481,000 257,000 11,000 727,000 31.00 36.00 11,100,000 1993 469,000 143,000 18,000 594,000 25.70 29.00 11,000,000 1994 490,000 143,000 18,000 615,000 24.10 26.50 11,400,000 1995 529,000 238,000 16,000 728,000 25.00 26.70 11,500,000 1996 612,000 215,000 13,000 814,000 24.20 25.10 11,400,000	1987	356,000	247,000	1,000	602,000	12.60	18.10	10,700,000
1990 443,000 280,000 20,000 703,000 24.10 30.10 11,000,000 1991 401,000 118,000 13,000 506,000 22.90 27.40 10,800,000 1992 481,000 257,000 11,000 727,000 31.00 36.00 11,100,000 1993 469,000 143,000 18,000 594,000 25.70 29.00 11,000,000 1994 490,000 143,000 18,000 615,000 24.10 26.50 11,400,000 1995 529,000 238,000 16,000 728,000 25.00 26.70 11,500,000 1996 612,000 215,000 13,000 814,000 24.20 25.10 11,400,000	1988	353,000	306,000	1,000	658,000	11.70	16.10	10,800,000
1991 401,000 118,000 13,000 506,000 22.90 27.40 10,800,000 1992 481,000 257,000 11,000 727,000 31.00 36.00 11,100,000 1993 469,000 143,000 18,000 594,000 25.70 29.00 11,000,000 1994 490,000 143,000 18,000 615,000 24.10 26.50 11,400,000 1995 529,000 238,000 16,000 728,000 25.00 26.70 11,500,000 1996 612,000 215,000 13,000 814,000 24.20 25.10 11,400,000	1989	424,000	293,000	7,000	710,000	19.40	25.50	12,300,000
1992 481,000 257,000 11,000 727,000 31.00 36.00 11,100,000 1993 469,000 143,000 18,000 594,000 25.70 29.00 11,000,000 1994 490,000 143,000 18,000 615,000 24.10 26.50 11,400,000 1995 529,000 238,000 16,000 728,000 25.00 26.70 11,500,000 1996 612,000 215,000 13,000 814,000 24.20 25.10 11,400,000	1990	443,000	280,000	20,000	703,000	24.10	30.10	11,000,000
1993 469,000 143,000 18,000 594,000 25.70 29.00 11,000,000 1994 490,000 143,000 18,000 615,000 24.10 26.50 11,400,000 1995 529,000 238,000 16,000 728,000 25.00 26.70 11,500,000 1996 612,000 215,000 13,000 814,000 24.20 25.10 11,400,000	1991	401,000	118,000	13,000	506,000	22.90	27.40	10,800,000
1994 490,000 143,000 18,000 615,000 24.10 26.50 11,400,000 1995 529,000 238,000 16,000 728,000 25.00 26.70 11,500,000 1996 612,000 215,000 13,000 814,000 24.20 25.10 11,400,000				11,000	727,000	31.00		
1995 529,000 238,000 16,000 728,000 25.00 26.70 11,500,000 1996 612,000 215,000 13,000 814,000 24.20 25.10 11,400,000		469,000	143,000	18,000	594,000	25.70	29.00	11,000,000
1996 612,000 215,000 13,000 814,000 24.20 25.10 11,400,000	1994	490,000	143,000	18,000	615,000	24.10	26.50	11,400,000
	1995	529,000	238,000	16,000	728,000	25.00	26.70	11,500,000
1997 577.000 265.000 12.000 830.000 27.90 28.30 11.900.00	1996	612,000	215,000	13,000	814,000	24.20	25.10	11,400,000
277, 077,000 203,000 12,000 050,000 27.50 20.50 11,500,00	1997	577,000	265,000	12,000	830,000	27.90	28.30	11,900,000
1998 872,000 288,000 22,000 1,140,000 21.60 21.60 12,800,000	1998	872,000	288,000	22,000	1,140,000	21.60	21.60	12,800,000
1999 998,000 354,000 23,000 1,330,000 27.70 27.10 13,700,000		998,000			1,330,000	27.70	27.10	13,700,000
2000 1,050,000 385,000 27,000 1,410,000 17.96 17.00 13,700,00	2000	1,050,000	385,000	27,000	1,410,000	17.96	17.00	13,700,000
2001 919,000 379,000 27,000 1,270,000 21.40 19.70 15,600,00	2001	919,000	379,000	27,000	1,270,000	21.40	19.70	15,600,000
2002 956,000 360,000 30,000 1,290,000 20.70 18.76 16,300,000	2002	956,000	360,000	30,000	1,290,000	20.70	18.76	16,300,000
2003 870,000 367,000 26,000 1,210,000 25.20 22.32 16,500,000	2003	870,000	367,000	26,000	1,210,000	25.20	22.32	16,500,000

$\begin{array}{c} \textbf{PUMICE AND PUMICITE STATISTICS}^1\\ \textbf{U.S. GEOLOGICAL SURVEY} \end{array}$

[All values in metric tons (t) pumice and pumicite unless otherwise noted] Last modification: October 16, 2007

				Apparent	Unit value	Unit value	World
Year	Production	Imports	Exports	consumption	(\$/t)	(98\$/t)	production
2004	1,490,000	402,000	27,000	1,870,000	16.80	14.50	18,900,000
2005	1,270,000	240,000	21,000	1,490,000	31.00	25.87	18,400,000
2006	1,540,000	365,000	22,000	1,880,000	28.85	23.32	18,800,000

¹Compiled by C.A. DiFrancesco (retired), W.P. Bolen, and A. Founie. Data are calculated, estimated, or reported. See notes for more information.

Pumice and Pumicite Worksheet Notes

Data Sources

The sources of data for the pumice and pumicite 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). The years of publication and corresponding years of data coverage are listed in the References section below. Volcanic cinder and scoria were included with pumice and pumicite in the MR and MYB for the years 1902–77; this data has been included in the Stone chapters since 1978. The data were separated from pumice and pumicite numbers. Data from 1902–51 were in the abrasives chapters. Blank cells in the worksheet indicate that data were not available.

Production

Production data report the amount of pumice and pumicite sold or used (production) in the United States. Data were from the MR and MYB for the years 1902–2006. Blank cells in the worksheet indicate that data were not available for the years 1900–01.

Imports

Import data report the amounts of pumice and pumicite imported into the United States. Data were from the MR and MYB for the years 1924–2006. Blank cells in the worksheet indicate that data were not available for the years 1900–23.

Exports

Export data report the amounts of pumice and pumicite exported from the United States. Data were from MYB for the years 1957–58 and 1965–77 and from the MCS for the years 1978–2006. Blank cells in the worksheet indicate that data were not available for the years 1900–56 and from 1959–64.

Apparent Consumption

Apparent consumption was estimated for the years 1902–92, by using the formula:

APPARENT CONSUMPTION = PRODUCTION + IMPORTS – EXPORTS.

Apparent consumption was taken from the MYB for the years 1993–2006. Blank cells in the worksheet indicate that data were not available for the years 1900–01.

Unit Value (\$/t)

Unit value is the value in dollars of 1 metric ton (t) (f.o.b. at mine) of pumice and pumicite apparent consumption. Unit value was estimated by obtaining the price for the United States in actual dollars by dividing the value from the MR and MYB for the years 1902–2006 by the weight of pumice and pumicite used by producers. Blank cells in the worksheet indicate that data were not available for the years 1900–01.

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. Blank cells in the worksheet indicate that data were not available for the years 1900–01.

World Production

World production data were for pumice and pumicite produced. Data were from the MR and MYB for the years 1920–25 and 1948–2006. Blank cells in the worksheet indicate that data were not available for the years 1900–19, 1926–47.

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. Bureau of Mines, 1983–95, Mineral Commodity Summaries, 1972–95.
- U.S. Geological Survey, 1904–27, Mineral Resources of the United States, 1902–23.
- U.S. Geological Survey, 1997–2007, Mineral Commodity Summaries, 1997–2007.
- U.S. Geological Survey, 1997–2007, Minerals Yearbook, v. I, 1995–2006.
- U.S. Geological Survey and U.S. Bureau of Mines, 1996, Mineral Commodity Summaries, 1996.

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 Pumice and Pumicite Commodity Specialist