

Mineral Industry Surveys

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MANGANESE IN MARCH 2002

In March, reported consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was estimated as 23,400 metric tons (t), which was an increase of about 13% compared with that for the previous month, according to the U.S. Geological Survey. The figure for March increases to 25,800 t

when estimates for annual respondents are added on the basis of 2000 data. Corresponding industry stocks of ore at the end of the month were 136,900 t, which includes an estimate for annual respondents on the basis of 2000 data. This was a decrease of about 4% from that for the previous month.

TABLE 1
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2001:						
February	11,900	25,400	37,300	723 3/	383	1,110
January-February	35,300	60,500	95,700	908	2,220	3,120
2002:						
January	23,900	42,200	66,100	775	1,050	1,830
February	34,400	29,700	64,000	453	774	1,230
Total	58,300	71,900	130,000	1,230	1,830	3,050

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

3/ All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 2
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN FEBRUARY 2002 1/

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	3,100	2,050	\$1,400,000	3,100	2,050	\$1,400,000
Canada	73	48	16,400	73	48	16,400
France	2	1	2,000	2	1	2,000
India	385	212	221,000	385	212	221,000
Korea, Republic of	3,000	1,980	1,250,000	3,000	1,980	1,250,000
Mexico	--	--	--	1,300	849	618,000
Romania	--	--	--	7,290	4,800	3,340,000
South Africa	9,760	6,550	4,400,000	22,500	15,200	9,740,000
Total	16,300	10,800	7,290,000	37,600	25,100	16,600,000
Total, general imports	16,300	10,800	7,290,000	37,600	25,100	16,600,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN FEBRUARY 2002 1/

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Low carbon:						
China	324	295	\$339,000	629	566	\$658,000
Norway	40	32	31,100	59	48	46,400
South Africa	360	333	442,000	720	663	870,000
Total, low carbon	724	660	811,000	1,410	1,280	1,570,000
Total, general imports of low carbon	724	660	811,000	1,410	1,280	1,570,000
Medium carbon, 1%-2% C:						
Brazil	20	15	18,000	20	15	18,000
China	--	--	--	1,500	1,200	796,000
Korea, Republic of	1,500	1,200	780,000	1,500	1,200	780,000
Mexico	137	105	117,000	1,930	1,540	1,240,000
South Africa	635	508	341,000	2,910	2,350	1,610,000
Total, m.c., 1%-2% C	2,290	1,830	1,260,000	7,870	6,310	4,440,000
Total, general imports of m.c., 1%-2% C	2,290	1,830	1,260,000	7,870	6,310	4,440,000
High carbon:						
France	6,000	4,680	2,240,000	11,300	8,770	4,080,000
India	3,850	2,930	1,540,000	7,300	5,550	2,920,000
South Africa	9,120	7,150	3,310,000	27,900	21,900	9,840,000
Total, high carbon	19,000	14,800	7,090,000	46,500	36,200	16,800,000
Total, general imports of high carbon	19,000	14,800	7,090,000	46,500	36,200	16,800,000
Grand total	22,000	17,200	9,160,000	55,800	43,800	22,900,000
Grand total, general imports	22,000	17,200	9,160,000	55,800	43,800	22,900,000

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS OF MANGANESE ORE (20% OR MORE Mn) IN FEBRUARY 2002 1/ 2/

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Belgium	--	--	18	13	18	13
Gabon	8,010	3,520	20,000	14,200	28,000	17,700
South Africa	--	--	32,100	15,900	32,100	15,900
Total	8,010	3,520	52,100	30,100	60,200	33,600
Year to date:						
Belgium	--	--	36	26	36	26
Brazil	29,900	12,800	--	--	29,900	12,800
Gabon	16,800	7,400	33,200	20,800	50,000	28,200
South Africa	--	--	32,100	15,900	32,100	15,900
Total	46,700	20,200	65,400	36,700	112,000	56,900

-- Zero.

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL IN FEBRUARY 2002 1/

(Metric tons, gross weight, unless otherwise specified)

Source	Manganese dioxide				Manganese metal			
	Quantity	Customs value	Year to date		Unwrought		Other	
			Quantity	Customs value	Quantity	Year to date	Quantity	Year to date
Australia	441	\$635,000	880	\$1,270,000	--	--	--	--
Belgium	91	161,000	164	297,000	--	--	--	--
Canada	--	--	--	--	--	--	--	15
China	36	37,300	36	37,300	60	181	--	4
France	--	--	--	--	--	--	6	11
Germany	--	--	--	--	315	566	4	4
Ireland	452	637,000	887	1,240,000	--	--	--	--
Japan	37	62,300	55	91,800	--	--	4	4
Netherlands	91	122,000	91	122,000	--	--	--	--
South Africa	61	101,000	184	306,000	1,060	2,020	--	--
Spain	--	--	--	--	78	136	--	--
United Kingdom	38	55,000	38	55,000	40	40	--	--
Total	1,250	1,810,000	2,330	3,420,000	1,560	2,940	14	38
Total, general imports	1,250	1,810,000	2,330	3,420,000	1,560	2,940	14	38

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Note: No imports for consumption of metallic manganese waste and scrap were reported, to give a year-to-date total of 23 tons.

Source: U.S. Census Bureau.

TABLE 6
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE,
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN 2002 1/

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal 2/	
	February	Year to date	February	Year to date	February	Year to date	February	Year to date
Australia	--	15	--	--	5	5	--	--
Belgium	--	--	--	--	--	--	134	211
Brazil	--	31	--	--	--	--	--	--
Canada	399	498	442	1,220	--	182	4	24
China	--	1,190	--	--	--	--	14	14
Germany	39	39	--	--	--	--	--	9
Italy	--	--	--	--	--	--	7	15
Japan	--	--	--	--	--	--	89	128
Mexico	--	--	--	--	10	31	11	18
Netherlands	103	103	--	--	--	--	--	--
Norway	139	278	--	--	--	--	--	--
Poland	19	65	--	--	--	--	--	--
Sweden	68	88	--	--	--	--	--	--
Switzerland	--	15	--	--	--	--	--	--
United Kingdom	138	138	--	--	--	--	--	--
Total	905	2,460	442	1,220	15	218	259	418

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

Note: Exports of ferromanganese with more than 2% carbon totaled 197 tons, of which 178 tons went to Canada, 14 tons went to Mexico, and 5 tons went to the Philippines, to give a year-to-date total of 378 tons.

Source: U.S. Census Bureau.

TABLE 7
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN FEBRUARY 2002, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value 2/ (thousands)	Year to date		
				Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value 2/ (thousands)
Imports for consumption:						
Manganese oxides other than dioxide	79	\$145	Mexico 37; \$17	238	\$321	Mexico 131; \$48
Sulfates, basket category, including manganese sulfate	2,530	1,650	Mexico 1,760; \$954	6,270	4,070	Mexico 4,350; \$2,220
Potassium permanganate	107	154	China 62; \$68	270	434	Czech Republic 123; \$237
Manganites, manganates, and other permanganates	(3/)	3	China (3/); \$3	56	52	China 56; \$50
Exports:						
Manganese dioxide	360	376	Canada 217; \$73	748	765	Canada 397; \$127
Manganese oxides other than dioxide	448	447	Canada 228; \$90	765	923	Canada 449; \$175
Sulfates, basket category, including manganese sulfate	1,840	845	Canada 1,400; \$406	3,440	3,190	Canada 2,820; \$811
Potassium permanganate	57	122	Canada 53; \$99	66	151	Canada 60; \$111
Manganites, manganates, and other permanganates	--	--	XX	4	34	Hong Kong 4; \$34

XX Not applicable. -- Zero.

1/ Data are rounded to no more than three significant digits.

2/ For imports, Customs value; for exports, f.a.s. value.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.