

Mineral Industry Surveys

For information, contact:

Thomas S. Jones, Manganese Commodity Specialist
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-4973, Fax: (703) 648-7757
E-mail: tjones@usgs.gov

Jesse J. Inestroza (Data)
Telephone: (703) 648-7968
Fax: (703) 648-7975

MINES FaxBack: (703) 648-4999
Internet: <http://minerals.usgs.gov/minerals>

MANGANESE IN MARCH 2001

In March, reported consumption of manganese ore containing 35% or more manganese, exclusive of that at iron and steel plants, was 38,600 metric tons (t), which was an increase of about 64% compared with that for the previous month, according to the U.S. Geological Survey. This brought the year-to-date total to 84,900 t. The figures for March increase to 41,000 t and 92,100 t, respectively, when estimates for annual respondents are added on the basis of 1999 data. Corresponding industry stocks of ore at the end of the month were 220,000 t, which includes an estimate for annual respondents on the basis of 1999 data. This was a decrease of about 5% compared with the corresponding figure for stocks at the end of February.

Data for domestic consumption and stocks of manganese ferroalloys and metal will appear in a subsequent monthly report.

Foreign trade data for March will appear in a subsequent report. The data for February tabulated in this report indicate that the quantities of manganese dioxide and silicomanganese imported were the least since November 1998 and May 1999, respectively. Also, the number of manganese units exported as ferromanganese and as manganese ferroalloys plus metal were the least since November 1989 and August 1987, respectively.

Note: For early availability, the trade data appearing in this report were placed on MINES FaxBack in preliminary form as of April 25. The FaxBack document number for the preliminary March trade data will be 420203.

The Defense National Stockpile Center of the Defense Logistics Agency, U.S. Department of Defense, reported that

cash disposals of manganese materials from the National Defense Stockpile in March consisted of 271 t of electrolytic manganese metal, 1,594 t of natural battery-grade ore, and 1,361 t of metallurgical-grade ore. The disposal of metal was to Huxley Barter Corp., New York, NY; that of battery-grade ore to Prince Manufacturing Co., Quincy, IL; and that of metallurgical-grade ore to American Minerals, Inc., King of Prussia, PA.

In the Caucasian republic of Georgia, efforts to revitalize that country's manganese industry underwent yet another transformation. The Georgian Government voided an agreement made in 1999 under which Saga-Print, a Czech investment company, acquired a 75% shareholding in Chiaturmanganets. Under this agreement, annual production of manganese concentrates from the Chiatura Mine was to be raised to more than 200,000 t. After voiding the agreement, the Government decided that control of Chiaturmanganets and its main customer, the nearby Zestafoni Ferroalloy Works, should be offered to investors as a unit (Interfax Mining & Metals Report, 2001a, b).

References Cited

- Interfax Mining & Metals Report, 2001a, Georgia tears up agreement with Saga-Print on manganese producer shares: Interfax Mining & Metals Report, v. 10, issue 10, March 2-8, p. 24.
———2001b, Georgia to offer top two metals works as unit: Interfax Mining & Metals Report, v. 10, issue 12 March 16-22, p. 18.

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
2000:						
February	25,900	38,100	64,000	202	1,380	1,580
January-February	43,000	65,700	109,000	346	2,310	2,650
2001:						
January	23,400 3/	35,100	58,400	185	1,830	2,020
February	11,900	25,400	37,300	723 3/	383	1,110
Total	35,300	60,500	95,700	908	2,220	3,120

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 2001 1/

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	3,270	2,150	\$1,260,000	6,780	4,470	\$2,470,000
Canada	--	--	--	36	24	8,200
India	--	--	--	6,040	3,960	2,490,000
Kazakhstan	9,310	6,360	3,650,000	9,310	6,360	3,650,000
Norway	--	--	--	1,500	921	870,000
South Africa	5,510	3,710	2,100,000	15,900	10,700	5,820,000
Total	18,100	12,200	7,010,000	39,600	26,400	15,300,000
Total, general imports	18,100	12,200	7,010,000	39,600	26,400	15,300,000

-- 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 2001 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Low carbon:						
Canada	36	29	\$19,400	36	29	\$19,400
China	38	32	41,700	342	310	345,000
Italy	--	--	--	320	266	252,000
Mexico	--	--	--	470	377	351,000
Netherlands	21	17	18,700	21	17	18,700
Norway	290	233	263,000	314	252	291,000
South Africa	260	242	314,000	540	502	704,000
Total, low carbon	645	552	656,000	2,040	1,750	1,980,000
Total, general imports of low carbon	645	552	656,000	2,040	1,750	1,980,000
Medium carbon, 1%-2% C:						
China	--	--	--	902	722	550,000
Mexico	98	75	94,100	2,900	2,350	1,980,000
South Africa	3,060	2,500	2,210,000	8,930	7,250	6,300,000
Total, m.c., 1%-2% C	3,160	2,570	2,310,000	12,700	10,300	8,830,000
Total, general imports of m.c., 1%-2% C	3,160	2,570	2,310,000	12,700	10,300	8,830,000
High carbon:						
Australia	8,360	6,410	3,340,000	8,360	6,410	3,340,000
Brazil	--	--	--	3,980	3,070	1,470,000
Canada	17	13	9,600	17	13	9,600
France	3,000	2,340	1,070,000	3,000	2,340	1,070,000
South Africa	--	--	--	9,270	7,140	3,850,000
Total, high carbon	11,400	8,760	4,420,000	24,600	19,000	9,740,000
Total, general imports of high carbon	11,400	8,760	4,420,000	24,600	19,000	9,740,000
Grand total	15,200	11,900	7,380,000	39,400	31,000	20,600,000
Grand total, general imports	15,200	11,900	7,380,000	39,400	31,000	20,600,000

-- Zero.

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

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS OF MANGANESE ORE (20% OR MORE Mn) IN FEBRUARY 2001 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
Gabon	--	--	21,300	10,700	21,300	10,700
Mexico	115	51	--	--	115	51
Total	115	51	21,300	10,700	21,400	10,800
Year to date:						
Gabon	10,300	4,550	46,200	26,600	56,500	31,100
Mexico	290	129	--	--	290	129
Total	10,600	4,680	46,200	26,600	56,800	31,200

-- 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 2001 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	833	\$1,180,000	3,670	\$5,220,000	--	--	2	2
Belgium	25	40,800	123	138,000	--	--	--	--
Canada	--	--	--	--	--	--	--	1
China	160	155,000	160	155,000	47	398	--	10
France	--	--	--	--	--	--	2	8
Germany	15	25,100	17	38,100	193	276	(2/)	(2/)
Greece	124	151,000	416	536,000	--	--	--	--
India	--	--	--	--	--	--	37	76
Ireland	447	634,000	1,030	1,400,000	--	--	--	--
Japan	(2/)	2,200	(2/)	2,200	--	--	--	--
Mexico	--	--	--	--	--	--	19	33
Morocco	--	--	1	2,530	--	--	--	--
Netherlands	--	--	--	--	--	--	9	9
South Africa	245	347,000	1,290	1,800,000	851	2,050	--	--
United Kingdom	--	--	--	--	38	38	--	--
Total	1,850	2,540,000	6,700	9,300,000	1,130	2,760	70	140
Total, general imports	1,830	2,510,000	6,690	9,270,000	1,130	2,690	70	140

-- Zero.

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

2/ Less than 1/2 unit.

Note: Imports for consumption of metallic manganese waste and scrap totaled 170 tons, all of which was from Canada, to give a year-to-date total of 170 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 2001 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	22	--	--	--	5	--	2
Belgium	--	--	--	--	--	--	19	19
Brazil	--	--	--	--	4	4	--	--
Canada	139	319	68	133	20	111	1	7
Chile	3	3	--	--	--	--	--	--
Finland	--	--	--	--	--	--	18	18
France	--	--	--	--	--	--	5	5
Germany	--	--	--	--	--	--	19	19
Hong Kong	--	--	--	--	--	--	--	1
Ireland	--	137	--	--	--	--	--	--
Italy	19	39	--	--	--	--	--	--
Japan	--	--	--	--	--	--	55	130
Korea, Republic of	--	--	--	--	--	--	1	3
Mexico	--	--	33	65	15	2,090	3	31
Netherlands	--	--	--	--	--	5	--	3
Norway	139	139	--	--	--	--	--	--
Singapore	--	--	--	4	--	--	--	--
Sweden	--	--	--	--	--	--	18	18
Switzerland	--	19	--	--	--	--	--	--
United Kingdom	1,130 3/	1,140	--	--	--	--	--	--
Total	1,450	1,820	101	202	39	2,210	138	255

-- 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.

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

Note: Exports of ferromanganese with more than 2% carbon totaled 176 tons, all of which went to Canada, to give a year-to-date total of 432 tons.

Source: U.S. Census Bureau.

TABLE 7
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN FEBRUARY 2001, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/	Year to date		
				Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands) 2/
Imports for consumption:						
Manganese oxides other than dioxide	20	\$55	South Africa 18; \$46	115	\$221	South Africa 54; \$136
Sulfates, basket category, including manganese sulfate	3,450	2,300	Mexico 1,490; \$857	4,980	3,360	Mexico 2,140; \$1,190
Potassium permanganate	135	263	India 72; \$136	315	610	India 162; \$307
Manganites, manganates, and other permanganates	--	--	XX	--	--	XX
Exports:						
Manganese dioxide	192	267	Canada 104; \$94	609	725	Canada 400; \$197
Manganese oxides other than dioxide	632	963	Canada 269; \$109	1,710	1,910	Canada 585; \$237
Sulfates, basket category, including manganese sulfate	2,220	2,390	Canada 1,680; \$446	4,740	3,470	Canada 3,600; \$933
Potassium permanganate	159	315	Spain 140; \$254	389	792	Spain 215; \$388
Manganites, manganates, and other permanganates	39	272	Taiwan 22; \$154	69	335	Taiwan 22; \$154

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.

Source: U.S. Census Bureau.