



Mineral Industry Surveys

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MANGANESE IN FEBRUARY 2003

In February, reported consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was estimated as 30,200 metric tons (t), which was a 2% decrease from that for the previous month, according to the U.S. Geological Survey. This figure increases to 32,600 t when estimates for annual respondents are added on the basis of 2002 data. Corresponding industry stocks of ore at the end of the month were 187,000 t, which includes an estimate for annual respondents on the basis of 2002 data. This was an increase of 10% from that of the previous month. (Data for the most recent 13 months are plotted in the graph on page 2.)

Foreign trade data for February will appear in a subsequent report. The data for January 2003 tabulated in this report indicate that the total imports for consumption, on a manganese content basis, decreased by 65% from those of December 2002 (table 1). Total exports, on a manganese content basis, increased by 25% from those for the previous month.

Update

On March 20, 2003, the South African Government issued a proposed Mineral and Petroleum Royalty Bill for public review and comment (Republic of South Africa National Treasury,

2003b§¹). The bill would require manganese mine operators to pay a 2% *ad valorem* royalty on gross quarterly sales. The comment deadline was extended to April 30, 2003 (Republic of South Africa National Treasury, 2003a§).

In response to Solicitation of Offers DLA-Electrolytic Manganese Metal-001, the Defense National Stockpile Center (DNSC) reported cash disposals of 816 t of electrolytic manganese metal in April 2003 to Eramet Marietta of Marietta, OH, and CC Metals and Alloys of Amherst, NY. Also in April, the DNSC reported cash disposals of 8,165 t of high-carbon ferromanganese under Solicitation of Offers DLA-FERROMANGANESE-003 to: Advanced Alloys, Pensacola, FL; Hickman Williams & Co., Wexford, PA; Ispat Inland Inc., East Chicago, IN; and Westbrook Resources, Sheffield, England.

Internet References Cited

Republic of South Africa National Treasury, 2003a, Extension of deadline for comments on the Mineral and Petroleum Royalty Bill, April 30, accessed April 28, 2003, at URL <http://www.treasury.gov.za>.

Republic of South Africa National Treasury, 2003b, Mineral and Petroleum Royalty Bill, March 10, accessed April 28, 2003 at URL <http://www.treasury.gov.za>.

¹References that include a section twist (§) are found in the Internet References Cited section.

TABLE 1
SELECTED U.S. FOREIGN TRADE IN MANGANESE¹

(Metric tons, manganese content)²

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2002:						
January	23,900 ³	42,200 ³	66,100	775	1,050	1,830
2003:						
January	2,340	24,900	27,300	176	711	887

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

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

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

Source: U.S. Census Bureau.

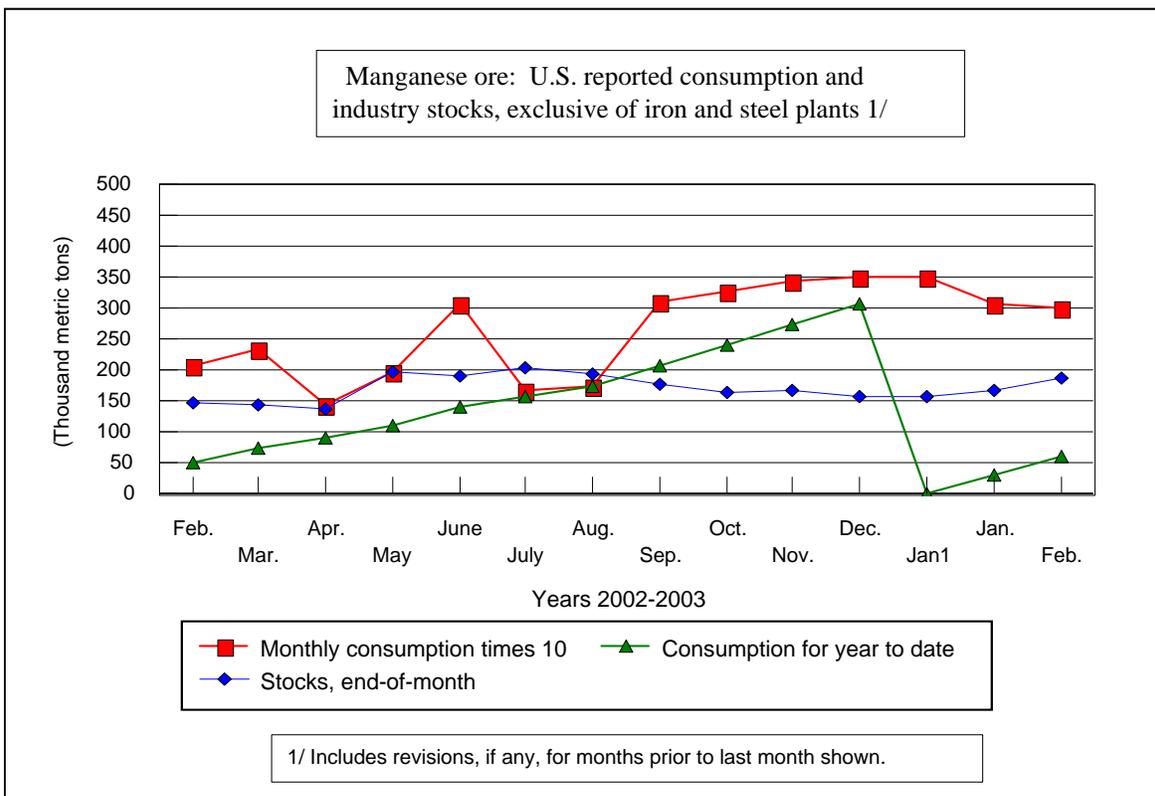


TABLE 2
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JANUARY¹

(Metric tons)

Source	Gross weight	Mn content	Customs value
Australia	4,410	2,930	\$2,010,000
Norway ²	1,390	702	1,370,000
Romania	5,490	3,870	2,650,000
South Africa	3,300	2,150	1,590,000
Total	14,600	9,640	7,620,000
Total, general imports	14,600	9,640	7,620,000

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

²All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JANUARY¹

(Metric tons)

Source	Gross weight	Mn content	Customs value
Low carbon:			
Canada	20	16	\$18,200
China	284	266	254,000
Italy	356	276	168,000
Japan	1,700	1,370	1,140,000
Mexico	20	15	16,400
South Africa	460	426	581,000
Total, low carbon	2,840	2,370	2,180,000
Total, general imports of low carbon	2,840	2,370	2,180,000
Medium carbon, 1%-2% C:			
China	1,800	1,350	1,130,000
Mexico	58	45	49,300
Norway	1,780	1,460	980,000
South Africa	2,310	1,880	1,630,000
Total, m.c., 1%-2% C	5,950	4,730	3,780,000
Total, general imports of medium carbon	5,950	4,730	3,780,000
High carbon:			
Australia	505	387	232,000
Canada	86	65	56,400
South Africa	7,730	5,950	3,190,000
Total, high carbon	8,320	6,400	3,480,000
Total, general imports of high carbon	8,320	6,400	3,480,000
Grand total	17,100	13,500	9,440,000
Grand total, general imports	17,100	13,500	9,440,000

¹Data 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 JANUARY 2003^{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 ³	13 ³	18	13

-- Zero.

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

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

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

Source: U.S. Census Bureau.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL
IN JANUARY 2003¹

(Metric tons, gross weight)

Source	Manganese dioxide		Manganese metal	
	Quantity	Customs value	Unwrought Quantity	Other Quantity
Australia	2,497	\$3,420,523	--	--
Belgium	37	62,012	--	--
China	--	--	699	40
Germany	6	35,392	67	--
Ireland	391	509,361	--	--
Japan	401	503,828	--	5
Norway	--	--	25	--
South Africa	551	778,935	904	--
Spain	--	--	--	10
Total	3,883	5,310,051	1,696	55
Total, general imports	3,883	5,310,051	1,696	55

-- Zero.

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

Note: Imports for consumption of metallic manganese waste and scrap totaled 81 tons, of which 71 tons was from Canada, 7 tons from France, and 3 tons was from Mexico.

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 JANUARY 2003¹

(Metric tons, gross weight)

	Manganese ore	Ferromanganese, 2% or less C	Silicomanganese	Manganese metal ²
Brazil	--	--	--	20
Canada	165	580	69	46
China	--	--	--	1
Germany	125	--	--	22
Japan	--	--	--	75
Korea, Republic of	--	--	--	2
Mexico	--	--	--	3
Poland	24	--	--	--
Sweden	19	--	--	16
Switzerland	20	--	--	--
Total	352	580	69	185

-- Zero.

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

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

Note: Exports of ferromanganese with more than 2% carbon totaled 27 tons, all of which went to Canada.

Source: U.S. Census Bureau.

TABLE 7
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JANUARY 2003, BY CLASS¹

Class	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	112	\$136	Mexico 57; \$16
Sulfates, basket category, including manganese sulfate	1,690	1,080	China 767; \$454
Potassium permanganate	145	285	Czech Republic 91; \$177
Manganites, manganates, and other permanganates	(3)	5	Canada (3); \$5
Exports:			
Manganese dioxide	317	298	Canada 217; \$73
Manganese oxides other than dioxide	523	418	Canada 393; \$147
Sulfates, basket category, including manganese sulfate	1,710	758	Canada 1,500; \$424
Potassium permanganate	89	120	Spain 53; \$85
Manganites, manganates, and other permanganates	22	115	Japan 16; \$74

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

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

³Less than 1/2 unit.

Source: U.S. Census Bureau.