

Mineral Industry Surveys

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MANGANESE IN JULY 2003

In July, reported consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was estimated as 30,800 metric tons (t), which was about a 2% increase from that for the previous month, according to the U.S. Geological Survey. This figure increases to 33,200 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 183,000 t, which includes an estimate for annual respondents on the basis of 2002 data. This was a slight decrease 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 June will appear in a subsequent report. The data for June 2003 tabulated in this report indicate that the total exports, on a manganese content basis, decreased by 13% from those of May 2003, owing to significant decreases in manganese ferroalloys and metal exports. Total imports, on a manganese content basis, increased by 58% from those of May based on significant increases in manganese ore and dioxide imports.

Update

In late August, the international benchmark price for metallurgical-grade manganese ore increased by 7% to \$2.11 per metric unit, f.o.b. basis, from that in 2002. The international benchmark price is set by Samancor and major Japanese consumers of ore from the Groote Eylandt Mine in Australia, and covers fiscal year 2003, which began April 1, 2003 (Ryan's Notes, 2003).

On September 5, Comilog France, part of the Comilog Group in which Eramet SA owns 60%, announced that it would close its Boulogne-sur-Mer high-carbon ferromanganese plant in France by the end of the year. The company cited several reasons for the closure: 1) growing competition from low-cost countries; 2) increasing unsuitability of product to meet market requirements, particularly in Western Europe; 3) unfavorable production cost trends, particularly owing to substantial, long-term price increases in coke feedstock; 4) the company's

inability to further reduce the plant's fixed costs substantially; and 5) failure of the new blast furnace to completely restore the plant's competitiveness (Eramet SA, 2003§¹).

On September 12, the U.S. International Trade Commission (ITC) voted to continue its antidumping investigations of electrolytic manganese dioxide (EMD) imports from Australia, Greece, Ireland, Japan, and South Africa, but not those from China. With respect to Chinese EMD imports, the ITC made a finding of negligibility; imports are generally deemed "negligible" if they amount to less than 3% of the total within the most recent 12-month period preceding the filing of the petition. The ITC expects to issue its preliminary determination on injury by January 7, 2004 (U.S. International Trade Commission, 2003§).

On August 14, the Defense National Stockpile Center announced the cash disposal of approximately 24,500 t of metallurgical-grade manganese ore in response to Solicitation for Offers DLA-MANGANESE-002 to: Advanced Alloys, Pensacola, FL; Eramet Marietta Inc., Marietta, OH; Scott G. Williams, LLC, Conyers, GA; and W.H. Britt, Gatesville, GA.

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

Reference Cited

Ryan's Notes, 2003, Questions on SiMn's staying power: Ryan's Notes, v. 9, no. 35, September 1, p. 1-2.

Internet References Cited

U.S. International Trade Commission, 2003 (September 12), ITC votes to continue cases on electrolytic manganese dioxide from Australia, Greece, Ireland, Japan, and South Africa, but not China—News Release 03-091, accessed September 22, 2003, at URL <http://www.usitc.gov>.
Eramet SA, 2003 (September 5), Official meeting with Comilog France's workers representatives—Press release, accessed September 22, 2003, at <http://www.eramet.fr>.

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:						
June	36,100	21,100	57,100	774	1,020	1,800
January-June	150,000	164,000	314,000	3,820	5,500	9,320
2003:						
January	2,340	24,900	27,300	176	711	887
February	21,100	27,700	48,800	151	820	971
March	28,100	21,900	50,000	347	1,010	1,350
April	6,430	37,600	44,100	335	1,400	1,730
May	18,700	21,600	40,300	372	668	1,040
June	52,200	11,600	63,800	628	277	905
Total	129,000	145,000	274,000	2,010	4,880	6,890

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.

Source: U.S. Census Bureau.

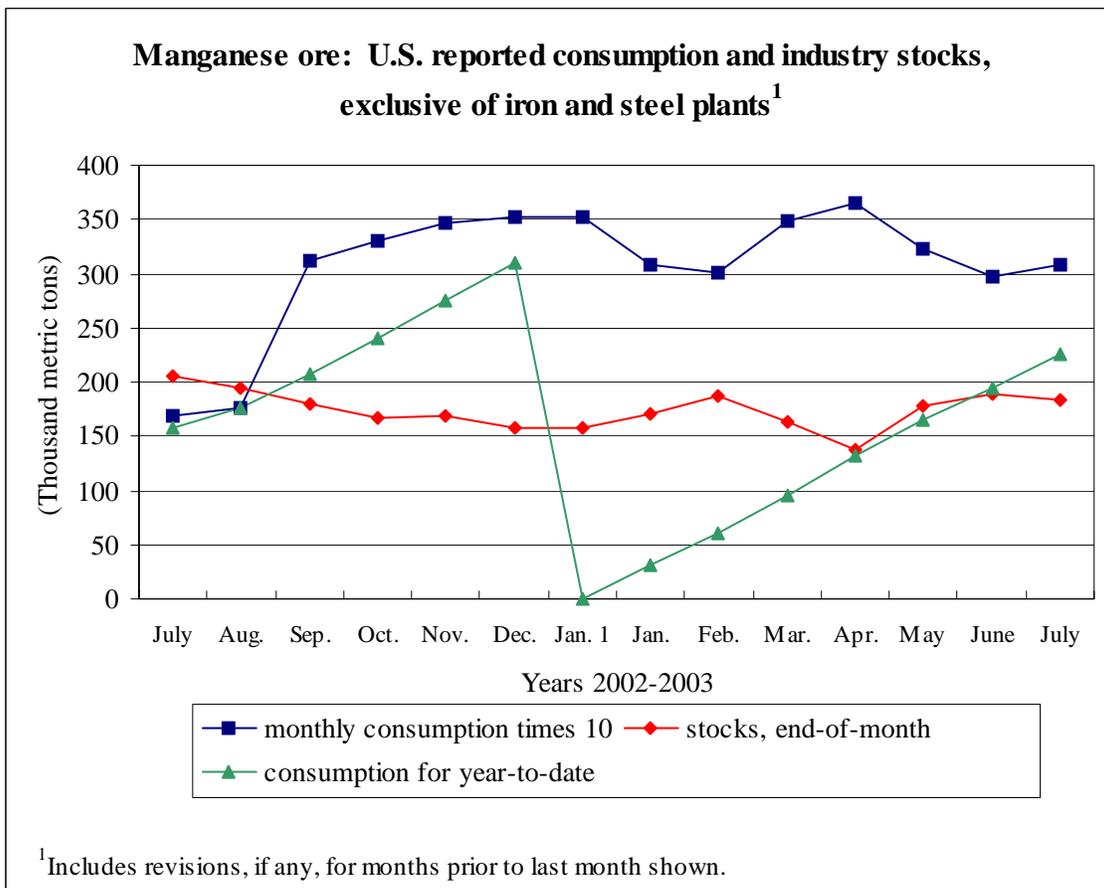


TABLE 2
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JUNE 2003¹

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	2,810	1,860	\$1,170,000	23,600	15,600	\$10,200,000
Georgia	--	--	--	2,870	1,870	1,460,000
Kazakhstan	--	--	--	5	3	2,610
Korea, Republic of	--	--	--	2,500	1,660	1,080,000
Mexico	--	--	--	2,800	1,960	1,330,000
Norway	1,700	732	976,000	8,210	4,530	5,300,000
Romania	--	--	--	7,690	5,300	3,690,000
Russia	--	--	--	2,330	1,510	1,120,000
South Africa	3,410	2,300	1,510,000	38,700	25,700	17,500,000
Total	7,920	4,890	3,660,000	88,700	58,200	41,700,000
Total, general imports	7,920	4,890	3,660,000	88,700	58,200	41,700,000

-- Zero.

¹Data 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 JUNE 2003¹

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Low carbon:						
Canada	--	--	--	20	16	\$18,200
China	297	274	\$279,000	2,360	2,220	2,240,000
Italy	--	--	--	356	276	168,000
Japan	2,000	1,610	1,420,000	3,770	3,040	2,630,000
Korea, Republic of	--	--	--	40	38	40,200
Mexico	792	624	692,000	2,330	1,830	2,100,000
Norway	--	--	--	2,130	1,730	1,300,000
South Africa	220	203	251,000	2,160	2,000	2,630,000
Spain	--	--	--	72	58	58,900
Total, low carbon	3,310	2,710	2,640,000	13,200	11,200	11,200,000
Total, general imports of low carbon	3,310	2,710	2,640,000	13,200	11,200	11,200,000
Medium carbon, 1%-2% C:						
China	300	234	181,000	6,690	5,390	4,250,000
Korea, Republic of	--	--	--	2,500	2,030	1,530,000
Mexico	279	220	246,000	7,240	5,820	5,160,000
Norway	--	--	--	1,800	1,470	991,000
South Africa	650	525	414,000	11,200	9,120	7,780,000
Total, m.c., 1%-2% C	1,230	979	841,000	29,400	23,800	19,700,000
Total, general imports of m.c., 1%-2% C	1,230	979	841,000	29,400	23,800	19,700,000
Medium carbon, 2%-4% C:						
Mexico	--	--	--	22	21	11,400
High carbon:						
Australia	250	192	96,000	4,120	3,220	1,810,000
Brazil	1,300	1,030	497,000	3,910	3,080	1,510,000
Canada	--	--	--	86	65	56,400
France	--	--	--	14,800	11,600	5,810,000
Mexico	--	--	--	22	22	10,300
South Africa	2,140	1,650	789,000	42,100	32,600	16,600,000
Total, high carbon	3,700	2,870	1,380,000	65,000	50,600	25,800,000
Total, general imports of high carbon	3,700	2,870	1,380,000	65,000	50,600	25,800,000
Grand total	8,240	6,560	4,860,000	108,000	85,700	56,700,000
Grand total, general imports	8,240	6,560	4,860,000	108,000	85,700	56,700,000

-- Zero.

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 JUNE 2003^{1,2,3}

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Australia	--	--	15,500	8,110	15,500	8,110
Gabon	--	--	38,300	19,300	38,300	19,300
Morocco ⁴	--	--	20	11	18	8
South Africa	10,700	4,260	36,000	17,300	46,700	21,500
Total	10,700	4,260	89,800	44,700	100,000	48,900
Year to date: ⁵						
Australia	--	--	15,500	8,110	15,500	8,110
Belgium	--	--	91	64	91	64
China	36	16	--	--	36	16
Gabon	--	--	127,000	66,300	127,000	66,300
Mexico	2,540	967	--	--	2,540	967
Morocco	--	--	20	11	20	11
South Africa	13,200	5,410	65,700	31,500	78,900	36,900
Total	15,800	6,400	208,000	106,000	224,000	112,000

-- 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.

³Includes Concentrates.

⁴Includes U.S. Geological Survey's conversion of part of the reported data from MnO₂ content to Mn content.

⁵May include revisions to previous months' data.

Source: U.S. Census Bureau.

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

(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	3,550	\$4,290,000	16,800	\$21,000,000	--	--	--	--
Belgium	55	101,000	232	408,000	--	--	--	1
Canada	(2)	3,300	(2)	3,300	--	--	--	1
China	--	--	141	139,000	--	699	--	592
France	--	--	--	--	--	--	4	14
Germany	2	11,400	53	254,000	--	67	--	--
Greece	382	451,000	772	912,000	--	--	--	--
Ireland	552	653,000	3,890	4,860,000	--	--	--	--
Japan	51	64,900	1,160	1,410,000	--	--	--	17
Korea, Republic of	--	--	--	--	--	--	--	20
Mexico	--	--	--	--	--	--	--	13
Netherlands	--	--	--	--	--	--	--	10
Norway	--	--	--	--	--	25	--	--
South Africa	919	1,180,000	4,350	5,640,000	--	904	--	--
Spain	--	--	--	--	--	--	17	207
United Kingdom	1	4,100	102	133,000	--	--	--	--
Total	5,510	6,750,000	27,500	34,800,000	--	1,700	21	875
Total, general imports	5,510	6,750,000	27,500	34,800,000	--	1,700	21	875

-- Zero.

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

²Less than 1/2 unit.

Note: Imports for consumption of metallic manganese waste and scrap totaled 283 tons, all of which was from Canada, to give a year-to-date total of 856 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 2003¹

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal ²	
	June	Year to date	June	Year to date	June	Year to date	June	Year to date
Australia	15	46	--	--	--	8	--	--
Belgium	--	--	--	--	--	--	5	96
Brazil	--	69	--	--	--	7	(3)	20
Canada	255	1,060	103	4,290	18	193	40	285
China	--	--	--	--	--	--	--	2
France	--	--	--	--	--	--	--	4
Germany	517	888	--	--	--	--	--	22
Guatemala	--	99	--	--	--	--	--	--
Hong Kong	--	169	--	--	--	--	--	(3)
Hungary	--	19	--	--	--	--	--	--
Indonesia	--	22	--	--	--	7	--	--
Italy	233	414	--	--	--	--	--	20
Jamaica	--	7	--	--	--	--	--	--
Japan	--	--	--	19	--	--	77	405
Korea, Republic of	--	--	--	--	--	--	1	3
Mexico	--	--	--	19	30	117	10	72
Netherlands	--	173	--	--	--	--	--	--
Norway	139	278	--	--	--	--	--	--
Poland	--	288	--	--	--	--	--	--
Portugal	77	77	--	--	--	--	--	3
Sweden	19	168	--	--	--	--	--	99
Switzerland	--	37	--	--	--	--	--	--
Taiwan	--	7	--	--	--	--	--	--
Trinidad and Tobago	--	--	--	--	--	82	--	--
Turkey	--	109	--	--	--	--	--	--
United Kingdom	--	89	--	--	--	--	--	--
Total	1,260	4,020	103	4,320	48	414	133	1,030

-- 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.

³Less than 1/2 unit.

Note: Exports of ferromanganese with more than 2% carbon totaled 41 tons, all of which went to Canada, to give a year-to-date total of 201 tons.

Source: U.S. Census Bureau.

TABLE 7
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JUNE 2003, BY CLASS^d

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	353	\$297	Mexico 145; \$50	1,180	\$1,130	Mexico 508; \$170
Sulfates, basket category, including manganese sulfate	6,180	2,320	China 2,990; \$689.	21,800	10,200	Mexico 10,100; \$4,850
Potassium permanganate	158	304	Czech Republic 104; \$200	779	1,550	Czech Republic 471; \$919
Manganites, manganates, and other permanganates	18	35	China 18; \$31	53	103	China 51; \$88
Exports:						
Manganese dioxide	286	256	Canada 162; \$68	1,800	1,710	Canada 1,050; \$387
Manganese oxides other than dioxide	323	375	Canada 197; \$74	2,350	2,440	Canada 1,480; \$573
Sulfates, basket category, including manganese sulfate	1,380	710	Canada 975; \$249	10,900	5,560	Canada 8,650; \$2,510
Potassium permanganate	154	248	Canada 72; \$115	1,070	1,670	Spain 566; \$991
Manganites, manganates, and other permanganates	23	113	Japan 11; \$48	209	1,020	Japan 118; \$563

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

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

Source: U.S. Census Bureau.