

Mineral Industry Surveys

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MANGANESE IN JULY 2007

Preliminary data (gross weight) for July 2007 indicate that consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was 25,800 metric tons (t), according to the U.S. Geological Survey. This was a 6% increase from that in June 2007.

Corresponding industry stocks of ore at the end of the month were 81,500 t, which was a 17% decrease from those at the end of June 2007. These data include estimates for annual respondents on the basis of 2006 data.

U.S. trade data for June 2007 are published in this issue.

Ferroalloy Prices, manganese content

	High-carbon ferromanganese ¹ (dollars per gross ton)	Medium-carbon ferromanganese ¹ (cents per pound)	Silicomanganese ¹ (cents per pound)	Manganese metal ² (cents per pound)
July 5	1,700.00-1,900.00	110.00-125.00	100.00-120.00	240.00-275.00
July 12	1,700.00-1,900.00	110.00-125.00	100.00-120.00	240.00-275.00
July 19	1,700.00-1,900.00	110.00-125.00	100.00-120.00	240.00-275.00
July 26	1,590.00-1,650.00	100.00-120.00	100.00-105.00	240.00-275.00

Ore Prices, dollars per metric ton unit, manganese content³

	44% Manganese Ore ²	48% Manganese Ore ²
July 5	6.00-6.30	6.50-6.80
July 12	6.75-7.00	7.25-7.50
July 19	6.75-7.00	7.25-7.50
July 26	6.75-7.00	7.25-7.50

¹Source: Platts Metals Week, dealer import price.

²Source: Ryan's Notes, North American transaction price.

³To determine dollars per metric ton, multiply the manganese content percentage by the price.

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
2006:						
June	26,800	52,600	79,400	101	753	854
January-June	117,000	259,000	376,000	362	6,560	6,920
2007:						
January	24,500	40,300	64,800	77	1,180	1,250
February	48,500	35,700	84,200	144	7,350	7,500
March	20,300	36,000	56,400	29	694	724
April	15,600	44,800	60,400	57	1,030	1,090
May	37,200	66,500	104,000	93	6,110	6,200
June	26,000	47,200	73,300	163	4,250	4,410
Total	172,000	271,000	443,000	562	20,600	21,200

¹Data 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 2007¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	Year to date		
				Gross weight	Mn content	Customs value ²
Australia	4,390	3,070	\$3,820,000	18,600	12,700	\$13,100,000
Canada	--	--	--	458	332	345,000
China	--	--	--	18	17	53,700
Georgia	5,450	4,010	4,790,000	20,800	15,100	20,300,000
Korea, Republic of	--	--	--	200	140	190,000
Macedonia	--	--	--	7,130	4,770	6,050,000
Mexico	1,520	996	1,200,000	6,580	4,300	4,940,000
Morocco	--	--	--	20	20	6,000
Netherlands	21	13	24,400	21	13	24,400
Norway	6,920	4,250	8,170,000	22,500	14,100	23,700,000
Romania	--	--	--	14,100	9,630	11,200,000
Russia	--	--	--	344	239	323,000
South Africa	17,700	11,800	14,900,000	90,100	60,000	67,700,000
Total	36,000	24,200	32,900,000	181,000	121,000	148,000,000

-- Zero.

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

²Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JUNE 2007¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	Year to date		
				Gross weight	Mn content	Customs value ²
Low carbon:						
China	2,370	1,930	\$3,590,000	16,400	13,600	\$20,600,000
Korea, Republic of	--	--	--	2,000	1,600	2,230,000
Mexico	330	269	429,000	2,950	2,390	3,270,000
Norway	219	179	325,000	219	179	325,000
Russia	--	--	--	60	50	189,000
South Africa	--	--	--	5,400	4,410	4,990,000
Total	2,920	2,380	4,340,000	27,000	22,300	31,600,000
Medium carbon, 1%-2% C:						
China	532	416	637,000	6,060	4,870	6,440,000
Japan	--	--	--	1,700	1,450	1,990,000
Korea, Republic of	300	243	390,000	2,800	2,270	2,980,000
Mexico	343	272	234,000	3,610	2,890	3,190,000
South Africa	650	523	684,000	10,200	8,310	11,800,000
Spain	20	16	35,900	40	32	69,800
Total	1,850	1,470	1,980,000	24,500	19,800	26,500,000
High carbon:						
Australia	--	--	--	503	384	312,000
Brazil	--	--	--	1,020	797	744,000
China	2,200	1,680	1,690,000	20,600	15,700	15,300,000
Egypt	--	--	--	1,470	1,100	1,440,000
France	--	--	--	1,300	1,050	970,000
Georgia	--	--	--	2,010	1,580	1,910,000
Mexico	--	--	--	20	16	29,900
Poland	778	595	1,090,000	778	595	1,090,000
South Africa	14,800	11,400	11,600,000	86,100	66,600	64,900,000
Venezuela	750	489	503,000	750	489	503,000
Total	18,500	14,200	14,900,000	115,000	88,400	87,200,000
Grand total	23,300	18,000	21,200,000	166,000	130,000	145,000,000

-- Zero.

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

²Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn) IN JUNE 2007^{1,2}

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	Year to date		
				Gross weight	Mn content	Customs value ²
More than 20%, but less than 47% manganese:						
Australia	--	--	--	27,500	12,500	\$2,940,000
China	7,130	2,850	\$307,000	7,560	2,940	326,000
Gabon	15,400	6,780	1,020,000	46,600	20,300	3,860,000
Mexico	--	--	--	3,110	1,120	367,000
South Africa	--	--	--	41,800	18,200	2,630,000
Total	22,500	9,630	1,330,000	126,000	55,000	10,100,000
47% or more manganese:						
Australia	--	--	--	16,500	8,720	2,530,000
Brazil	3,170	1,590	190,000	16,400	8,300	1,560,000
China	858	439	97,200	4,550	2,620	515,000
Gabon	26,600	13,600	2,320,000	114,000	70,800	12,100,000
South Africa	--	--	--	35,700	17,700	3,280,000
Total	30,600	15,600	2,610,000	187,000	108,000	20,000,000
Grand total	53,200	25,200	3,940,000	314,000	163,000	30,100,000

-- Zero.

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

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

³Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE IN JUNE 2007

(Metric tons, gross weight)

Source	Quantity	Customs value ²	Year to date	
			Quantity	Customs value ²
Australia	38	\$54,300	7,330	\$10,000,000
Belgium	20	46,700	199	510,000
Brazil	6	10,200	49	60,600
China	1,030	1,060,000	5,710	5,950,000
Colombia	--	--	44	22,900
Germany	8	13,700	51	113,000
Japan	264	367,000	1,640	2,280,000
Mexico	--	--	13	9,240
Singapore	--	--	40	46,500
South Africa	1	3,200	1	3,200
Total	1,370	1,560,000	15,100	19,000,000

-- Zero.

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

²Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN JUNE 2007¹

(Metric tons)

Source	Gross weight	Customs value ²	Year to date	
			Gross weight	Customs value ²
Unwrought flake:				
China	3,890	\$11,400,000	11,700	\$24,700,000
Hong Kong	60	207,000	60	207,000
South Africa	76	143,000	913	1,720,000
Total	4,030	11,800,000	12,700	26,600,000
Unwrought powder:				
China	159	467,000	1,060	2,150,000
South Africa	275	502,000	2,250	4,100,000
Total	435	969,000	3,310	6,250,000
Unwrought, other:				
China	158	378,000	1,230	2,370,000
Germany	36	94,600	533	1,130,000
Russia	--	--	16	85,700
Spain	--	--	60	92,200
United Kingdom	--	--	11	51,900
Total	194	472,000	1,850	3,730,000
Other manganese, wrought:				
China	336	838,000	354	878,000
France	4	72,700	29	411,000
Japan	--	--	(3)	2,100
Mexico	--	--	114	225,000
Spain	--	--	50	127,000
Taiwan	1	14,300	1	14,300
Total	341	925,000	548	1,660,000
Grand total	5,000	14,100,000	18,400	38,300,000

-- Zero.

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

²Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

³Less than ½ unit.

Note: Imports for consumption of metallic waste and scrap totaled 153 metric tons, all of which was from Canada, to give a year-to-date total of 679 metric tons.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE, SILICOMANGANESE,
AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN JUNE 2007¹

(Metric tons, gross weight)

Country	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
Argentina	--	--	--	--	--	--	3	6
Australia	--	--	--	--	--	1	--	1
Belgium	--	8	--	--	--	--	132	474
Brazil	--	--	--	--	--	--	--	1
Canada	244	498	115	2,090	4	1,670	1	8
Chile	--	--	--	--	--	--	--	8
China	--	--	--	--	--	--	--	89
Colombia	--	--	--	--	--	--	--	138
France	--	--	--	--	--	--	5	5
Germany	52	296	--	--	--	--	30	118
Hong Kong	--	--	--	--	--	--	80	216
India	--	--	--	--	--	--	17	90
Ireland	--	--	5	24	--	--	--	--
Israel	--	--	--	--	--	--	--	8
Jamaica	--	--	--	--	--	--	(3)	(3)
Japan	--	--	--	--	--	--	143	394
Korea, Republic of	30	94	--	--	--	--	--	1
Malaysia	--	--	--	--	--	--	5	5
Mexico	--	20	--	--	9	181	1	16
Sweden	--	--	--	--	--	--	--	26
Taiwan	--	--	--	--	--	--	--	65
United Kingdom	--	--	--	5	--	--	--	3
Vietnam	--	209	--	--	--	--	--	--
Total	325	1,130	121	2,120	13	1,850	418	1,680

-- Zero.

¹Data 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 ½ unit.

Note: Exports of ferromanganese with more than 2% carbon totaled 4,720 metric tons, of which 4,570 metric tons went to Mexico and 144 metric tons went to Canada, to give a year-to-date total of 20,300 metric tons.

Source: U.S. Census Bureau.

TABLE 8
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JUNE 2007, BY CLASS¹

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	522	\$391	Mexico 373; \$177	2,680	\$1,770	Mexico 1,790; \$802
Manganites, manganates, and other permanganates	--	--	--	--	--	--
Potassium permanganate	109	267	Czech Republic 43; \$103	652	1,560	India 320; \$771
Sodium permanganate	52	85	China 52; \$85	134	215	China 134; \$215
Sulfates, basket category, including manganese sulfate	2,060	1,130	China 1,070; \$534	22,600	11,100	China 11,600; \$4,770
Exports:						
Manganese dioxide	710	549	Canada 381; \$202	4,370	4,380	Canada 2,000; \$1,090
Manganese oxides other than dioxide	1,470	1,100	Canada 1,160; \$446	7,800	5,480	Canada 4,990; \$1,960
Manganites, manganates, and other permanganates	2	4	Canada 2; \$4	47	118	Canada 38; \$91
Potassium permanganate	204	530	Canada 111; \$288	1,300	3,020	Canada 266; \$720
Sodium permanganate	64	156	Spain 36; \$68	960	2,330	Spain 382; \$970
Sulfates, basket category, including manganese sulfate	2,480	1,610	Canada 1,830; \$799	13,600	10,500	Canada 8,840; \$4,990

-- Zero.

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

²For imports, Customs value; for exports, free alongside ship value.

Source: U.S. Census Bureau.