

Mineral Industry Surveys

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MANGANESE IN JUNE 2009

Reported data regarding the amount of manganese ore consumed by U.S. firms in June 2009 and industry stocks at the end of the month were not available at the time of publication. However, net imports may be used as a rough indicator of near-term manganese ore consumption. On a gross weight basis, net imports of manganese ore in June 2009 were 82,400 metric tons (t), which was a 521% increase from the combined total in April and May 2009. Net imports of manganese ore in the first half of 2009 were 191,000 t, which was a 24% decrease from those during the first half of 2008.

Data for U.S. imports and exports for May 2009 are published in this issue. On a contained-weight basis, U.S. imports of manganese ore plus dioxide and manganese ferroalloys plus metal were about 91% lower and 67% higher, respectively, than those in April 2009. U.S. imports of manganese ore plus dioxide

and manganese ferroalloys plus metal during the first 5 months of 2009 were 50% lower and 71% lower, respectively, than those during the same period in 2008 (table 1).

On a contained-weight basis, U.S. manganese ore and manganese ferroalloys plus metal exports for May 2009 were about 29 times higher and 9% lower, respectively, than those in April 2009. U.S. exports of manganese ore and manganese ferroalloys plus metal during the first 5 months of 2009 were 78% less and 5% more, respectively, than those during the same period in 2008 (table 1).

Prices

Prices for manganese materials in June 2009, manganese content, are listed below.

Ferroalloys prices¹

	<u>Price Range</u>	<u>Average Price</u>
High-carbon ferromanganese ²	880.00-950.00	913.00
Medium-carbon ferromanganese ³	80.00-92.00	84.90
Silicomanganese ³	34.00-39.00	36.50

Manganese metal and ore prices⁴

	<u>Price Range</u>	<u>Average Low, Mid, and High Prices</u>
Manganese metal ³	130.00-135.00	130.00-132.50-135.00
36%-39% Manganese ore ⁵	3.05-3.15	3.06-3.11-3.16
44% Manganese ore ⁵	3.50-4.00	3.51-3.76-4.01
48% Manganese ore ⁵	4.00-4.50	4.07-4.20-4.33

¹Source: Platts Metals Week, dealer import price; average prices reported for all transactions during the month.

²Dollars per gross ton.

³Cents per pound.

⁴Source: Ryan's Notes, cost and freight, China; average prices reported for the price range.

⁵Dollars per metric ton unit, contained manganese. To determine dollars per metric ton of ore (gross weight), multiply the manganese content percentage by the price; that is, by 48 when the manganese content is 48%.

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
2008:						
May	25,200	73,600	98,800	5,380	1,270	6,650
January-May	127,000	273,000	400,000	12,400	13,900	26,200
2009:						
January	25,600	36,600	62,100	102	2,460	2,560
February	559	13,400	14,000	188	4,270	4,460
March	26,300	8,670	35,000	80	1,730	1,810
April	9,960	7,450	17,400	80	3,190	3,270
May	946	12,400	13,400	2,310	2,900	5,210
Total	63,400	78,600	142,000	2,760	14,500	17,300

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 MAY 2009¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	Year to date		
				Gross weight	Mn content	Customs value ²
Australia	480	299	\$379,000	5,550	3,660	\$6,190,000
China	--	--	--	537	321	937,000
Georgia	1,260	901	1,100,000	6,000	4,240	5,770,000
Korea, Republic of	22	14	17,100	6,250	4,130	5,600,000
Norway	--	--	--	3	2	4,600
Saudi Arabia	--	--	--	4,190	734	3,970,000
South Africa	8,300	5,540	5,730,000	28,600	18,900	33,300,000
Total	10,100	6,760	7,220,000	51,100	32,000	55,800,000

-- 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 charges incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN MAY 2009¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	Year to date		
				Gross weight	Mn content	Customs value ²
Low carbon:						
China	--	--	--	1,350	1,250	\$3,440,000
Korea, Republic of	--	--	--	1,700	1,380	2,770,000
Mexico	--	--	--	1,040	794	2,350,000
Norway	--	--	--	22	18	52,400
South Africa	--	--	--	1,000	812	2,500,000
Sweden	--	--	--	5	3	27,500
Total	--	--	--	5,110	4,260	11,100,000
Medium carbon, 1%-2% C:						
China	20	15	\$40,500	536	441	1,220,000
France	--	--	--	19	15	103,000
Korea, Republic of	--	--	--	64	51	148,000
Mexico	--	--	--	1,110	904	2,110,000
South Africa	--	--	--	7,450	5,920	20,100,000
Turkey	--	--	--	20	16	95,800
Total	20	15	40,500	9,200	7,350	23,700,000
High carbon:						
Bahrain	--	--	--	2,000	1,630	2,350,000
China	--	--	--	300	221	630,000
India	2,070	1,580	1,760,000	2,200	1,680	1,900,000
Korea, Republic of	--	--	--	201	164	239,000
Mexico	--	--	--	1,300	990	1,410,000
South Africa	3,810	2,990	4,270,000	29,900	23,100	43,000,000
Total	5,880	4,570	6,040,000	35,900	27,800	49,500,000
Grand total	5,900	4,580	6,080,000	50,200	39,400	84,400,000

-- 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 charges 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 MAY 2009^{1,2}

(Metric tons)

Source	Gross weight	Mn content	Customs value ³	Year to date		
				Gross weight	Mn content	Customs value ³
More than 20%, but less than 47% manganese						
47% or more manganese:						
China	56	38	\$51,000	3,950	2,000	\$416,000
Gabon	--	--	--	110,000	57,200	53,600,000
Total	56	38	51,000	114,000	59,200	54,000,000

-- 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 charges 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 MAY 2009¹

(Metric tons, gross weight)

Source	Quantity	Customs value ²	Year to date	
			Quantity	Customs value ²
Belgium	19	\$68,000	60	\$202,000
Brazil	--	--	56	95,600
Colombia	--	--	5	8,640
Germany	9	15,700	9	15,700
France	--	--	18	31,000
India	--	--	(3)	7,700
Japan	286	686,000	1,700	4,510,000
Singapore	10	16,200	50	85,000
South Africa	1,190	2,820,000	4,960	10,400,000
Spain	--	--	136	309,000
Total	1,514	3,605,900	6,994	15,664,640

-- 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 charges incurred in bringing the material into the United States.

³Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN MAY 2009¹

(Metric tons)

Source	Gross weight	Customs value ²	Year to date	
			Gross weight	Customs value ²
Unwrought flake:				
China	100	\$238,000	2,060	\$4,780,000
South Africa	407	1,080,000	1,010	2,310,000
Total	507	1,320,000	3,070	7,090,000
Unwrought powder:				
China	--	--	280	994,000
South Africa	100	336,000	515	1,460,000
Total	100	336,000	795	2,450,000
Unwrought, other:				
Brazil	7	19,600	15	43,500
China	158	373,000	2,150	4,530,000
Germany	73	201,000	329	1,020,000
Hong Kong	88	178,000	94	194,000
Malaysia	--	--	(3)	3,650
United Kingdom	11	30,600	18	51,000
South Africa	76	274,000	229	728,000
Total	413	1,080,000	2,830	6,570,000
Other manganese, wrought:				
Belgium	--	--	6	31,200
Canada	--	--	22	54,600
China	(3)	3,730	249	687,000
Mexico	58	340,000	213	1,150,000
Poland	(3)	3,190	(3)	3,190
South Africa	6	28,200	6	28,200
Total	64	375,000	496	1,950,000
Grand total	1,080	3,110,000	7,200	18,100,000

-- Zero.

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

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

³Less than ½ unit.

Note: There were no imports for consumption of metallic waste and scrap in May; the year-to-date total remained at 53 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 MAY 2009¹

(Metric tons, gross weight)

Country	Manganese ore		Ferromanganese,				Silicomanganese		Manganese metal ²	
			2% or less C		More than 2% C		May	Year to date	May	Year to date
	May	Year to date	May	Year to date	May	Year to date				
Argentina	--	--	--	--	--	--	--	--	--	1
Australia	--	--	--	--	--	160	501	501	--	--
Belgium	--	--	--	--	--	--	--	--	--	50
Brazil	--	1	--	--	180	380	--	--	--	--
Canada	4,630	5,110	21	2,300	661	3,630	353	1,660	--	19
Chile	--	--	97	200	40	340	--	--	--	--
China	--	--	--	--	--	--	--	--	53	233
Colombia	--	--	--	--	--	40	--	--	--	--
Finland	--	--	--	--	--	--	--	--	63	83
France	--	--	--	--	--	--	--	--	--	5
Germany	--	190	--	--	--	--	--	--	14	51
Guyana	--	--	--	--	--	--	--	--	--	1
Hong Kong	--	--	--	--	--	--	--	--	55	336
India	--	--	--	--	(3)	10	--	--	18	89
Ireland	--	--	--	--	--	8	--	--	--	--
Japan	--	--	--	--	--	1,000	--	--	--	271
Korea, Republic of	--	203	--	--	--	--	--	--	--	--
Malaysia	--	--	--	--	--	1,080	--	--	--	1
Mexico	--	--	320	1,400	1,140	1,430	263	791	(3)	23
Netherlands	--	3	--	--	--	2,000	--	--	--	--
Norway	--	--	--	--	19	26	--	--	--	--
Sweden	--	19	--	--	--	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--	--	53
Saudi Arabia	--	--	--	--	--	--	--	--	1	3
United Kingdom	--	--	--	--	--	402	--	--	--	1
Vietnam	--	--	--	--	--	--	--	--	--	4
Total	4,630	5,530	438	3,890	2,040	10,500	1,120	2,950	204	1,230

-- 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.

Source: U.S. Census Bureau.

TABLE 8
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN MAY 2009, 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	660	\$502	South Africa 400; \$157	2,630	\$2,200	Brazil 1,220; \$872
Manganites, manganates, and other permanganates	17	62	Germany 17; \$62	17	62	Germany 17; \$62
Potassium permanganate	96	336	India 54; \$193	373	1,270	Czech Republic 211; \$729
Sodium permanganate	--	--	--	--	--	--
Sulfates, basket category, including manganese sulfate	3,230	3,010	Chile 1,500; \$1,080	15,200	17,200	China 6,210; \$5,560
Exports:						
Manganese dioxide	493	1,080	Canada 156; \$168	2,920	4,160	Canada 1,730; \$1,670
Manganese oxides other than dioxide	489	728	Canada 147; \$58	2,460	2,760	Canada 1,270; \$559
Manganites, manganates, and other permanganates	2	4	Canada 2; \$4	54	136	Canada 52; \$109
Potassium permanganate	283	931	Belgium 173; \$540	941	2,950	Belgium 565; \$1,740
Sodium permanganate	63	162	Belgium 26; \$71	271	694	Belgium 153; \$394
Sulfates, basket category, including manganese sulfate	1,770	940	Canada 1,540; \$731	7,580	5,730	Canada 6,220; \$3,510

-- 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.