

Mineral Industry Surveys

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MANGANESE IN JULY 2009

Reported data regarding the amount of manganese ore consumed by U.S. firms in July 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. In July 2009, U.S. net exports of manganese ore were 2,670 metric tons (t), gross weight. Net imports of manganese ore in the first 7 months of 2009 were 189,000 t, which was a 34% decrease from those during the first 7 months of 2008.

Data for U.S. imports and exports for June 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 65 times higher and 28% lower, respectively, than those in May 2009. U.S. imports of manganese ore plus

dioxide and manganese ferroalloys plus metal during the first 6 months of 2009 were 17% lower and 73% 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 June 2009 were about 77% lower and 85% higher, respectively, than those in May 2009. U.S. exports of manganese ore and manganese ferroalloys plus metal during the first 6 months of 2009 were 77% lower and 30% more, respectively, than those during the same period in 2008 (table 1).

Prices

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

Ferroalloys prices¹

	<u>Price Range</u>	<u>Average Price</u>
High-carbon ferromanganese ²	900.00-1,100.00	1,010.00
Medium-carbon ferromanganese ³	80.00-85.00	82.50
Silicomanganese ³	36.00-48.00	42.88

Manganese metal and ore prices⁴

	<u>Price Range</u>	<u>Average Low, Mid, and High Prices</u>
Manganese metal ³	130.00-147.00	131.33-133.83-136.33
36%-39% Manganese ore ⁵	3.15-4.30	3.61-3.75-3.89
44% Manganese ore ⁵	3.60-5.00	4.24-4.42-4.60
48% Manganese ore ⁵	4.25-5.70	4.70-4.87-5.03

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:						
June	22,700	52,500	75,100	2,060	1,440	3,500
January-June	150,000	326,000	476,000	14,400	15,300	29,700
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
June	61,300	8,970	70,300	526	5,360	5,890
Total	125,000	87,500	212,000	3,290	19,900	23,200

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 2009¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	Year to date		
				Gross weight	Mn content	Customs value ²
Australia	1,820	1,200	\$2,280,000	7,360	4,860	\$8,460,000
China	--	--	--	537	321	937,000
Georgia	1,130	791	915,000	7,140	5,030	6,680,000
Korea, Republic of	820	477	761,000	7,070	4,600	6,360,000
Norway	4,520	2,790	6,180,000	4,520	2,790	6,190,000
Saudi Arabia	392	206	137,000	4,580	940	4,110,000
South Africa	--	--	--	28,600	18,900	33,300,000
Total	8,680	5,460	10,300,000	59,800	37,400	66,000,000

-- 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 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 JUNE 2009¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	Year to date		
				Gross weight	Mn content	Customs value ²
Low carbon:						
China	220	202	\$519,000	1,570	1,450	\$3,950,000
Korea, Republic of	700	560	772,000	2,400	1,940	3,540,000
Mexico	--	--	--	1,040	794	2,350,000
Norway	597	486	1,170,000	619	505	1,220,000
South Africa	--	--	--	1,000	812	2,500,000
Sweden	--	--	--	5	3	27,500
Total	1,520	1,250	2,460,000	6,630	5,510	13,600,000
Medium carbon, 1%-2% C:						
China	--	--	--	536	441	1,220,000
France	--	--	--	19	15	103,000
Korea, Republic of	1,500	1,220	3,470,000	1,560	1,270	3,610,000
Mexico	--	--	--	1,110	904	2,110,000
South Africa	20	16	35,900	7,470	5,940	20,100,000
Turkey	--	--	--	20	16	95,800
Total	1,520	1,230	3,500,000	10,700	8,580	27,200,000
Medium carbon, 2%-4% C, South Africa	18	13	36,200	18	13	36,200
High carbon:						
Bahrain	--	--	--	2,000	1,630	2,350,000
China	--	--	--	300	221	630,000
India	--	--	--	2,200	1,680	1,900,000
Korea, Republic of	--	--	--	201	164	239,000
Mexico	--	--	--	1,300	990	1,410,000
South Africa	27	21	29,700	29,900	23,100	43,000,000
Total	27	21	29,700	35,900	27,800	49,500,000
Grand total	3,080	2,520	6,030,000	53,300	41,900	90,400,000

-- 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 JUNE 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:						
Brazil	2,960	1,540	\$930,000	2,960	1,540	\$930,000
China	--	--	--	3,950	2,000	416,000
Gabon	43,000	21,700	6,820,000	153,000	78,900	60,400,000
Ghana	37,500	37,100	3,400,000	37,500	37,100	3,400,000
Total	83,500	60,300	11,100,000	198,000	120,000	65,200,000

-- 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 JUNE 2009¹

(Metric tons, gross weight)

Source	Quantity	Customs value ²	Year to date	
			Quantity	Customs value ²
Belgium	7	\$11,500	66	\$213,000
Brazil	--	--	56	95,600
Colombia	--	--	5	8,640
Germany	--	--	9	15,700
France	--	--	18	31,000
India	--	--	(3)	7,700
Japan	647	1,810,000	2,350	6,320,000
Singapore	--	--	50	85,000
South Africa	972	2,470,000	5,940	12,900,000
Spain	--	--	136	309,000
Total	1,630	4,290,000	8,620	20,000,000

-- 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 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 JUNE 2009¹

(Metric tons)

Source	Gross weight	Customs value ²	Year to date	
			Gross weight	Customs value ²
Unwrought flake:				
China	140	\$411,000	2,200	\$5,190,000
South Africa	152	395,000	1,170	2,700,000
Total	292	805,000	3,370	7,890,000
Unwrought powder:				
China	--	--	280	994,000
South Africa	180	524,000	695	1,980,000
Total	180	524,000	975	2,980,000
Unwrought, other:				
Brazil	--	--	15	43,500
China	363	920,000	2,510	5,450,000
Germany	39	108,000	369	1,130,000
Hong Kong	44	102,000	138	296,000
Malaysia	--	--	(3)	3,650
United Kingdom	8	25,000	26	75,900
South Africa	57	189,000	286	917,000
Total	511	1,340,000	3,350	7,920,000
Other manganese, wrought:				
Belgium	--	--	6	31,200
Canada	--	--	22	54,600
China	(3)	3,120	249	691,000
Mexico	--	--	213	1,150,000
Poland	--	--	(3)	3,190
South Africa	--	--	6	28,200
Total	(3)	3,120	496	1,960,000
Grand total	983	2,680,000	8,180	20,700,000

-- 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: Imports for consumption of metallic waste and scrap totaled 30 metric tons, all of which was from Canada, to give a year-to-date total of 83 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 2009¹

(Metric tons, gross weight)

Country	Manganese ore		Ferromanganese,				Silicomanganese		Manganese metal ²	
	June	Year to date	2% or less C		More than 2% C		June	Year to date	June	Year to date
			June	Year to date	June	Year to date				
Argentina	--	--	--	--	--	--	--	--	--	1
Australia	--	--	--	--	--	160	--	501	--	--
Belgium	--	--	--	--	--	--	--	--	--	50
Brazil	1	2	--	--	--	380	--	--	--	--
Canada	918	6,030	37	2,330	659	4,290	474	2,130	1	21
Chile	--	--	--	200	--	340	--	--	--	--
China	--	--	--	--	--	--	--	--	123	356
Colombia	--	--	--	--	--	40	--	--	--	--
Finland	--	--	--	--	--	--	--	--	76	159
France	--	--	--	--	--	--	--	--	--	5
Germany	116	306	--	--	--	--	--	--	--	51
Guyana	--	--	--	--	--	--	--	--	--	1
Hong Kong	--	--	--	--	--	--	--	--	18	354
India	--	--	--	--	--	10	--	--	83	172
Ireland	--	--	--	--	--	8	--	--	--	--
Italy	--	--	--	--	--	--	2,540	2,540	--	--
Japan	--	--	--	--	--	1,000	--	--	75	346
Korea, Republic of	17	220	--	--	--	--	--	--	--	--
Malaysia	--	--	--	--	--	1,080	--	--	--	1
Mexico	--	--	623	2,020	2,180	3,610	274	1,070	--	23
Netherlands	--	3	--	--	--	2,000	--	--	--	--
Norway	--	--	--	--	--	26	--	--	--	--
Saudi Arabia	--	--	--	--	--	--	--	--	--	3
Sweden	--	19	--	--	--	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--	(3)	53
United Kingdom	--	--	--	--	57	459	--	--	--	1
Vietnam	--	--	--	--	--	--	--	--	7	11
Total	1,050	6,580	660	4,550	2,900	13,400	3,290	6,240	383	1,610

-- 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 JUNE 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	769	\$676	Brazil 418; \$411	3,400	\$2,880	Brazil 1,640; \$1,280
Manganites, manganates, and other permanganates	--	--	--	17	62	Germany 17; \$62
Potassium permanganate	89	300	Czech Republic 71; \$236	462	1,570	Czech Republic 282; \$965
Sodium permanganate	--	--	--	--	--	--
Sulfates, basket category, including manganese sulfate	1,580	1,580	Mexico 737; \$810	16,800	18,800	Mexico 6,820; \$9,300
Exports:						
Manganese dioxide	536	1,180	Belgium 314; \$844	3,450	5,340	Canada 1,890; \$1,850
Manganese oxides other than dioxide	535	779	Canada 149; \$131	2,990	3,540	Canada 1,420; \$691
Manganites, manganates, and other permanganates	--	--	--	54	136	Canada 52; \$109
Potassium permanganate	105	222	Belgium 38; \$12	1,050	3,170	Belgium 603; \$1,760
Sodium permanganate	111	118	Singapore 79; \$46	382	813	Belgium 153; \$394
Sulfates, basket category, including manganese sulfate	2,190	1,460	Canada 1,940; \$1,180	9,760	7,190	Canada 8,160; \$4,690

-- 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.