

Mineral Industry Surveys

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MANGANESE IN JUNE 2011

Preliminary manganese ore consumption and ending stocks data for June 2011 will be published in a future issue of this report.

Data for U.S. manganese imports and exports for May 2011 are published in this issue. On a contained-weight basis, U.S. manganese ore plus dioxide and manganese ferroalloys plus metal imports for May 2011 were 1,129% higher and 84% higher, respectively, than those in April 2011. U.S. imports of manganese ore plus dioxide and manganese ferroalloys plus metal during the first 5 months of 2011 were 21% lower and 22% higher, respectively, than those during the same period in 2010 (table 1).

On a contained-weight basis, U.S. manganese ore and manganese ferroalloys plus metal exports for May 2011 were 46% lower and 57% higher, respectively, than those in April 2011. U.S. exports of manganese ore and manganese ferroalloys plus metal during the first 5 months of 2011 were 88% lower and 12% higher, respectively, than those during the same period in 2010 (table 1).

Prices

Prices for manganese materials in June 2011, manganese content, are listed below.

Ferroalloys prices¹

	<u>Price Range</u>	<u>Average Price</u>
High-carbon ferromanganese ²	1,300.00–1,340.00	1,324.50
Medium-carbon ferromanganese ³	108.00–112.00	110.60
Silicomanganese ³	62.00–65.00	63.20

Manganese metal and ore prices⁴

	<u>Price Range</u>	<u>Average Low, Mid, and High Prices</u>
Manganese metal ³	180.00–185.00	182.00–183.50–185.00
36%-39% Manganese ore ⁵	4.30–5.10	4.46–4.66–4.85
44% Manganese ore ⁵	4.60–5.50	4.84–5.10–5.36
48% Manganese ore ⁵	5.60–6.10	5.70–5.83–5.95

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
2010:						
May	31,800	33,900	65,700	864	1,010	1,880
January–May	141,000	182,000	323,000	2,010	6,240	8,250
2011:						
January	28,900	44,500	73,400	36	1,080	1,120
February	9,160	30,400	39,600	46	1,240	1,290
March	50,900	68,900	120,000	73	1,740	1,810
April	1,720	27,800	29,500	61	1,150	1,210
May	21,100	51,000	72,100	33	1,800	1,830
Total	112,000	223,000	334,000	249	7,010	7,260

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 2011¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	January–May		
				Gross weight	Mn content	Customs value ²
Australia	8,970	5,940	\$8,960,000	19,300	12,800	\$18,800,000
Canada	21	7	8,690	40	14	17,200
Georgia	520	367	548,000	51,300	34,600	64,200,000
Greece	--	--	--	20	15	45,100
India	104	58	160,000	390	217	615,000
Korea, Republic of	--	--	--	300	174	600,000
Mexico	1,060	695	1,160,000	5,180	3,400	5,760,000
Norway	1,700	1,040	2,830,000	12,400	7,700	22,000,000
South Africa	17,000	11,300	19,700,000	60,700	40,100	68,500,000
Spain	--	--	--	1,610	990	3,240,000
Total	29,400	19,400	33,300,000	151,000	100,000	184,000,000

-- 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 MAY 2011¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	January–May		
				Gross weight	Mn content	Customs value ²
Low carbon:						
China	2,240	1,950	\$6,160,000	7,490	6,590	\$20,500,000
Mexico	820	659	1,530,000	4,640	3,760	9,010,000
Norway	399	323	819,000	2,060	1,670	4,090,000
Vietnam	--	--	--	934	876	2,860,000
Total	3,460	2,940	8,510,000	15,100	12,900	36,400,000
Medium carbon, 1%–2% C:						
China	120	108	245,000	194	167	430,000
Korea, Republic of	4,500	3,600	8,100,000	13,000	10,400	24,500,000
Mexico	899	721	1,710,000	4,190	3,360	8,170,000
Norway	1,700	1,380	3,010,000	6,720	5,430	11,900,000
South Africa	5,050	4,040	8,980,000	11,400	9,180	19,900,000
Ukraine	--	--	--	392	342	783,000
Total	12,300	9,850	22,000,000	35,900	28,900	65,800,000
Medium carbon, 2%–4% C, South Africa	216	181	505,000	270	232	650,000
High carbon:						
Australia	3,000	2,340	3,090,000	3,510	2,720	3,570,000
Bahrain	--	--	--	180	142	205,000
Korea, Republic of	1,430	1,070	1,620,000	1,430	1,070	1,620,000
Norway	--	--	--	3,920	3,080	4,270,000
South Africa	16,600	12,700	19,300,000	77,000	59,200	87,200,000
Ukraine	--	--	--	261	210	522,000
Total	21,100	16,100	24,000,000	86,300	66,400	97,400,000
Grand total	37,000	29,100	55,000,000	138,000	108,000	200,000,000

-- 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 4
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn) IN MAY 2011^{1,2}

(Metric tons)

Source	Gross weight	Mn content	Customs value ³	January–May		
				Gross weight	Mn content	Customs value ³
More than 20%, but less than 47% manganese:						
Australia	--	--	--	16,200	6,750	\$3,110,000
Brazil	--	--	--	3,210	1,480	1,140,000
Gabon	5,550	2,470	\$890,000	14,600	6,480	2,540,000
Mexico	1,560	564	366,000	2,980	1,080	701,000
Netherlands	86	18	17,200	86	18	17,200
South Africa	13,000	5,520	6,680,000	13,000	5,520	6,680,000
Turkey	--	--	--	548	192	182,000
Total	20,200	8,570	7,960,000	50,600	21,500	14,400,000
47% or more manganese:						
Australia	--	--	--	58,700	28,600	15,300,000
Brazil	52	28	86,800	52	28	86,800
Gabon	21,000	11,300	6,640,000	105,000	54,800	32,800,000
Morocco	--	--	--	158	62	141,000
Netherlands	446	223	26,700	446	223	26,700
Total	21,500	11,600	6,760,000	165,000	83,800	48,400,000
Grand total	41,700	20,100	14,700,000	215,000	105,000	62,800,000

-- 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 2011¹

(Metric tons, gross weight)

Source	Quantity	Customs value ²	January–May	
			Quantity	Customs value ²
Belgium	131	\$195,000	368	\$468,000
Brazil	--	--	35	39,900
Colombia	--	--	600	1,150,000
Germany	--	--	29	48,900
India	--	--	(3)	6,030
Japan	868	2,000,000	4,350	9,890,000
Mexico	120	110,000	180	166,000
Netherlands	--	--	101	61,500
Singapore	19	19,400	80	96,900
South Africa	490	1,520,000	5,120	15,500,000
Turkey	71	38,500	71	38,500
Total	1,700	3,880,000	10,900	27,400,000

-- 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.

³Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN MAY 2011¹

(Metric tons)

Source	Gross weight	Customs value ²	January–May	
			Gross weight	Customs value ²
Unwrought flake:				
China	1,040	\$2,730,000	5,230	\$15,000,000
Japan	--	--	20	27,400
Mexico	29	133,000	91	395,000
South Africa	76	305,000	435	1,660,000
Total	1,150	3,170,000	5,770	17,000,000
Unwrought powder:				
China	--	--	61	177,000
Mexico	--	--	25	110,000
South Africa	80	324,000	1,530	5,840,000
United Kingdom	--	--	1	2,210
Total	80	324,000	1,620	6,130,000
Unwrought, other:				
China	1,110	3,600,000	5,890	19,000,000
Germany	--	--	154	578,000
Netherlands	--	--	10	71,200
Poland	--	--	(3)	3,010
South Africa	95	379,000	457	1,650,000
Total	1,200	3,970,000	6,510	21,300,000
Other manganese, wrought:				
China	60	200,000	139	454,000
Japan	--	--	(3)	3,460
Mexico	--	--	26	106,000
Total	60	200,000	165	564,000
Grand total	2,490	7,660,000	14,100	45,100,000

-- 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 174 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 2011¹

(Metric tons, gross weight)

Country	Manganese ore		Ferromanganese,				Silicomanganese		Manganese metal ²	
	May	January–May	2% or less C		More than 2% C		May	January–May	May	January–May
			May	January–May	May	January–May				
Australia	--	--	--	--	--	53	--	--	--	3
Bahamas, The	--	--	--	--	--	--	--	--	--	1
Belgium	--	18	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	60	115	--	--	--	--
Canada	19	226	263	359	52	725	1,440	4,210	143	509
China	--	40	--	--	--	--	--	--	131	609
Colombia	--	--	--	--	--	--	--	352	1	1
Dominican Republic	--	--	--	--	--	(3)	--	--	--	--
France	--	--	--	--	--	--	--	--	--	1
Germany	--	--	--	--	34	34	--	--	--	22
Guyana	--	--	--	--	--	--	--	--	--	3
Hong Kong	--	--	--	--	--	--	--	--	--	3
India	--	--	--	--	--	--	--	--	--	60
Ireland	--	--	--	--	1	4	--	--	--	--
Italy	--	--	--	--	--	--	--	--	--	7
Japan	--	--	--	--	--	--	--	--	45	192
Korea, Republic of	34	204	--	--	--	--	--	--	--	--
Malaysia	--	--	--	--	1	2	--	--	--	--
Mexico	13	13	141	1,180	--	--	120	418	7	30
Norway	--	--	--	--	7	8	--	--	--	--
Peru	--	--	--	--	--	100	--	--	--	--
Romania	--	--	--	--	--	4	--	--	--	--
Saint Lucia	--	--	--	--	--	--	--	--	--	15
Singapore	--	--	--	--	--	28	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--	--	164
United Kingdom	--	--	--	--	--	--	--	--	--	10
Venezuela	--	--	--	--	2	4	--	--	--	--
Vietnam	--	--	--	--	--	--	--	--	--	19
Total	66	501	404	1,540	157	1,080	1,560	4,980	327	1,650

-- Zero.

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

²Includes manganese-aluminum, 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 2011, BY CLASS¹

Class	Gross weight (metric tons)	Value ² (thousands)	Principal sources and destinations: gross weight (metric tons); value ² (thousands)	January–May		
				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	470	\$428	Norway 190; \$115	1,670	\$1,760	Mexico 534; \$506
Manganites, manganates, and other permanganates	--	--	--	17	65	Germany 17; \$65
Potassium permanganate	86	271	India 72; \$226	566	1,720	India 522; \$1,570
Sodium permanganate	20	52	China 20; \$52	216	549	China 214; \$535
Sulfates, basket category, including manganese sulfate	3,790	3,660	China 1,710; \$1,750	18,600	17,400	Mexico 8,020; \$6,780
Exports:						
Manganese dioxide	739	1,230	Canada 518; \$473	3,370	5,370	Canada 1,980; \$1,960
Manganese oxides other than dioxide	765	1,520	Netherlands 199; \$421	2,910	6,360	Canada 671; \$771
Manganites, manganates, and other permanganates	9	25	Canada 9; \$25	78	378	Canada 52; \$142
Potassium permanganate	306	1,030	Belgium 229; \$633	1,460	4,060	Belgium 1,130; \$2,870
Sodium permanganate	99	240	Belgium 38; \$70	424	1,020	Belgium 131; \$245
Sulfates, basket category, including manganese sulfate	1,340	1,240	Canada 994; \$581	7,540	6,480	Canada 5,720; \$2,770

-- 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.