

Mineral Industry Surveys

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MANGANESE IN AUGUST 2011

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

Data for U.S. manganese imports and exports for July 2011 are published in this issue. On a contained-weight basis, U.S. manganese ore plus dioxide and manganese ferroalloys plus metal imports for July 2011 were 57% lower and 16% lower, respectively, than those in June 2011. U.S. imports of manganese ore plus dioxide and manganese ferroalloys plus metal during the first 7 months of 2011 were 16% lower and 20% 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 July 2011 were 39% higher and 29% higher, respectively, than those in June 2011. U.S. exports of manganese ore and manganese ferroalloys plus metal during the first 7 months of 2011 were 94% lower and 3% higher, respectively, than those during the same period in 2010 (table 1).

Prices

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

Ferroalloys prices¹

	<u>Price Range</u>	<u>Average Price</u>
High-carbon ferromanganese ²	1,320.00–1,350.00	1,335.00
Medium-carbon ferromanganese ³	106.00–108.00	106.70
Silicomanganese ³	61.00–63.00	61.80

Manganese metal and ore prices⁴

	<u>Price Range</u>	<u>Average Low, Mid, and High Prices</u>
Manganese metal ³	180.00–182.00	180.00–181.00–182.00
36%-39% Manganese ore ⁵	4.50–5.10	4.50–4.80–5.10
44% Manganese ore ⁵	5.15–5.50	5.15–5.33–5.50
48% Manganese ore ⁵	5.90–6.10	5.90–6.00–6.10

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:						
July	26,900	59,300	86,200	4,390	591	4,980
January–July	179,000	291,000	470,000	6,450	7,980	14,400
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
June	26,800	68,700	95,500	59	519	578
July	11,500	57,400	69,000	82	669	750
Total	150,000	349,000	499,000	391	8,190	8,580

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 JULY 2011¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	January–July		
				Gross weight	Mn content	Customs value ²
Australia	4,880	3,300	\$4,840,000	35,300	23,500	\$35,800,000
Canada	--	--	--	40	14	17,200
Georgia	5,640	4,050	7,690,000	74,400	51,500	92,500,000
Greece	--	--	--	20	15	45,100
India	104	58	165,000	598	332	944,000
Korea, Republic of	--	--	--	300	174	600,000
Mexico	2,220	1,460	2,430,000	8,400	5,510	9,280,000
Norway	4,700	2,890	8,240,000	20,100	12,500	35,400,000
Romania	--	--	--	3,680	2,420	3,680,000
South Africa	17,000	11,200	18,600,000	87,600	57,800	98,200,000
Spain	1,650	992	3,370,000	3,260	1,980	6,610,000
Total	36,200	24,000	45,300,000	234,000	156,000	283,000,000

-- 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 JULY 2011¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²	January–July		
				Gross weight	Mn content	Customs value ²
Low carbon:						
China	2,970	2,580	\$7,940,000	13,400	11,700	\$36,400,000
Korea, Republic of	120	108	393,000	120	108	393,000
Mexico	1,300	1,060	2,390,000	6,460	5,230	12,400,000
Norway	1,000	804	1,790,000	3,170	2,560	6,090,000
Vietnam	--	--	--	934	876	2,860,000
Total	5,390	4,550	12,500,000	24,100	20,500	58,200,000
Medium carbon, 1%–2% C:						
China	--	--	--	194	167	430,000
Korea, Republic of	4,500	3,620	7,990,000	22,000	17,700	40,000,000
Mexico	2,820	2,290	5,030,000	7,840	6,310	14,700,000
Norway	1,000	813	1,660,000	7,720	6,240	13,600,000
South Africa	1,320	1,050	2,140,000	13,500	10,800	23,300,000
Spain	40	32	122,000	40	32	122,000
Ukraine	--	--	--	392	342	783,000
Total	9,680	7,790	16,900,000	51,700	41,600	93,000,000
Medium carbon, 2%–4% C, South Africa	36	35	97,300	306	267	748,000
High carbon:						
Australia	722	536	701,000	4,230	3,260	4,280,000
Bahrain	--	--	--	180	142	205,000
Korea, Republic of	--	--	--	1,430	1,070	1,620,000
Norway	2,500	1,950	2,760,000	6,420	5,030	7,030,000
South Africa	20,400	15,600	22,400,000	114,000	87,800	129,000,000
Ukraine	--	--	--	13,200	10,400	14,800,000
Total	23,600	18,100	25,900,000	140,000	108,000	157,000,000
Grand total	38,700	30,500	55,400,000	216,000	170,000	309,000,000

-- 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 JULY 2011^{1,2}

(Metric tons)

Source	Gross weight	Mn content	Customs value ³	January–July		
				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	--	--	--	14,600	6,480	2,540,000
Mexico	--	--	--	2,980	1,080	701,000
Netherlands	--	--	--	86	18	17,200
South Africa	--	--	--	13,000	5,520	6,680,000
Turkey	--	--	--	548	192	182,000
Total	--	--	--	50,600	21,500	14,400,000
47% or more manganese:						
Australia	19,800	9,690	\$3,520,000	78,600	38,300	18,800,000
Brazil	--	--	--	3,100	1,590	1,050,000
Gabon	--	--	--	153,000	79,000	46,700,000
Morocco	--	--	--	746	356	176,000
Netherlands	--	--	--	446	223	26,700
South Africa	20	10	12,800	20	10	12,800
Total	19,800	9,700	3,530,000	236,000	119,000	66,800,000
Grand total	19,800	9,700	3,530,000	286,000	141,000	81,200,000

-- 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 JULY 2011¹

(Metric tons, gross weight)

Source	Quantity	Customs value ²	January–July	
			Quantity	Customs value ²
Belgium	--	--	466	\$528,000
Brazil	18	\$20,300	54	60,200
Colombia	--	--	600	1,150,000
Germany	--	--	29	48,900
India	--	--	(3)	6,030
Japan	1,080	2,490,000	5,890	13,500,000
Mexico	180	168,000	477	444,000
Netherlands	--	--	101	61,500
Singapore	11	19,400	103	136,000
South Africa	1,770	4,650,000	7,550	22,100,000
Turkey	--	--	71	38,500
Total	3,060	7,350,000	15,300	38,100,000

-- 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 JULY 2011¹

(Metric tons)

Source	Gross weight	Customs value ²	January–July	
			Gross weight	Customs value ²
Unwrought flake:				
China	738	\$2,390,000	7,850	\$22,500,000
Japan	(3)	5,620	20	33,000
Mexico	--	--	91	395,000
South Africa	172	714,000	896	3,560,000
Total	910	3,110,000	8,860	26,500,000
Unwrought powder:				
China	60	231,000	121	408,000
Mexico	--	--	25	110,000
South Africa	259	1,030,000	2,250	8,680,000
United Kingdom	--	--	1	2,210
Total	319	1,260,000	2,400	9,200,000
Unwrought, other:				
China	1,550	4,940,000	10,200	32,700,000
Germany	24	90,900	203	760,000
Korea, Republic of	--	--	1	8,220
Netherlands	--	--	10	71,200
Poland	--	--	(3)	3,010
South Africa	114	435,000	667	2,450,000
Spain	75	328,000	112	453,000
Total	1,760	5,800,000	11,200	36,400,000
Other manganese, wrought:				
China	--	--	149	498,000
Germany	4	68,900	4	68,900
Japan	--	--	(3)	3,460
Mexico	--	--	26	106,000
United Kingdom	--	--	(3)	5,860
Vietnam	--	--	84	274,000
Total	4	68,900	263	956,000
Grand total	2,990	10,200,000	22,700	73,100,000

-- 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: Imports for consumption of metallic waste and scrap totaled 3 tons, all of which was from Canada; to give a year-to-date total of 339 t.

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 JULY 2011¹

(Metric tons, gross weight)

Country	Ferromanganese,											
	Manganese ore		2% or less C				More than 2% C		Silicomanganese		Manganese metal ²	
	July	January–July	July	January–July	July	January–July	July	January–July	July	January–July		
Australia	--	--	--	--	--	53	--	--	--	3		
Bahamas, The	--	--	--	--	--	--	--	--	--	1		
Belgium	--	18	120	120	--	--	--	--	--	1		
Brazil	--	--	--	--	13	127	--	--	--	--		
Canada	44	270	21	401	115	899	197	4,750	--	557		
China	51	91	--	--	--	--	--	--	113	795		
Colombia	--	--	--	--	--	--	--	352	--	1		
Costa Rica	--	--	--	--	--	--	--	--	6	6		
Dominican Republic	--	--	--	--	--	(3)	--	--	--	--		
France	--	--	--	--	27	27	--	--	--	1		
Germany	--	--	--	--	--	34	--	--	--	22		
Guyana	--	--	--	--	--	--	--	--	--	3		
Hong Kong	--	90	--	--	--	--	--	--	--	11		
India	--	--	--	--	--	--	--	--	23	83		
Ireland	--	--	--	--	--	4	--	--	--	--		
Italy	--	--	--	--	--	--	--	--	--	7		
Japan	--	--	--	--	--	--	--	--	89	302		
Korea, Republic of	68	272	--	--	--	--	--	--	--	--		
Malaysia	--	--	--	--	--	2	--	--	--	--		
Mexico	1	41	--	1,250	--	--	22	455	7	37		
Norway	--	--	--	--	1	13	--	--	--	--		
Peru	--	--	--	--	--	100	--	--	--	--		
Philippines	--	--	--	--	--	--	--	7	--	--		
Romania	--	--	--	--	6	11	--	--	--	--		
Saint Lucia	--	--	--	--	--	--	--	--	--	15		
Singapore	--	--	--	--	2	30	--	--	--	--		
Spain	--	--	--	--	--	--	--	--	--	10		
Taiwan	--	--	--	--	--	--	--	--	43	207		
United Kingdom	--	--	--	--	--	--	--	--	--	10		
Venezuela	--	--	--	--	--	4	--	--	--	--		
Vietnam	--	--	--	--	--	--	--	--	--	19		
Total	164	782	141	1,780	165	1,300	220	5,560	282	2,090		

-- 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 JULY 2011, BY CLASS¹

Class	Gross weight (metric tons)	Value ² (thousands)	Principal sources and destinations: gross weight (metric tons); value ² (thousands)	January–July		
				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	394	\$325	South Africa 314; \$174	2,150	\$2,210	South Africa 620; \$571
Manganites, manganates, and other permanganates	--	--	--	17	65	Germany 17; \$65
Potassium permanganate	126	383	India 126; \$383	854	2,600	India 810; \$2,450
Sodium permanganate	93	232	China 93; \$229	345	857	China 340; \$832
Sulfates, basket category, including manganese sulfate	2,840	2,560	Mexico 1,130; \$894	24,700	23,400	Mexico 11,000; \$9,140
Exports:						
Manganese dioxide	802	1,450	Canada 387; \$341	5,340	9,070	Canada 2,770; \$2,710
Manganese oxides other than dioxide	631	1,000	Canada 218; \$219	4,330	8,990	Canada 1,170; \$1,370
Manganites, manganates, and other permanganates	6	17	Canada 6; \$17	95	425	Canada 70; \$189
Potassium permanganate	203	774	Belgium 72; \$189	1,940	5,630	Belgium 1,400; \$3,550
Sodium permanganate	62	145	Belgium 19; \$43	630	1,490	Belgium 206; \$370
Sulfates, basket category, including manganese sulfate	1,070	1,070	Canada 860; \$539	9,810	8,930	Canada 7,280; \$3,770

-- 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.