

Mineral Industry Surveys

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MANGANESE IN MARCH 2007

Preliminary data (gross weight) for March 2007 indicate that consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was 12,300 metric tons (t), according to the U.S. Geological Survey. This was a 60% decrease from that consumed in February 2007. Corresponding industry stocks of ore at the end of the month were 109,000 t, which was a 6% decrease from

those at the end of February 2007. These data include estimates for annual respondents on the basis of 2006 data. Domestic consumption of manganese ore during the first quarter of 2007 was 77,900 t. First quarter 2007 consumption was 9% lower than that of the first quarter 2006 and 2% lower than that of the fourth quarter 2006.

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

Ferroalloy Prices, manganese content

	High-carbon ferromanganese ¹	Medium-carbon ferromanganese ¹	Silicomanganese ¹	Manganese metal ²
	(dollars per gross ton)	(cents per pound)	(cents per pound)	(cents per pound)
March 1	930.00-980.00	72.00-75.00	42.00-46.00	112.00-126.00
March 8	930.00-980.00	73.00-75.00	45.00-49.00	125.00-130.00
March 15	940.00-980.00	73.00-76.00	60.00-65.00	140.00-145.00
March 22	950.00-980.00	73.00-76.00	60.00-69.00	150.00-155.00
March 29	980.00-1,000.00	73.00-76.00	59.00-62.00	170.00-180.00

Ore Prices, dollars per metric ton unit, manganese content³

	44% Manganese Ore ²	48% Manganese Ore ²
March 1	2.40-2.50	2.70-2.80
March 8	2.40-2.50	2.70-2.80
March 15	2.55-2.60	2.80-2.90
March 22	2.55-2.60	2.80-2.90
March 29	2.55-2.60	2.80-2.90

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 MANGANESE 1

	Imports for consumption			Exports			
	Ore and	Ferroalloy					
	dioxide	and me tal	Total	Ore	and metal	Total	
2006:							
February	27,500	52,800 ^r	80,200 ^r	87	1,170	1,260	
Janua ry-Febru ary	47,700	78,400 ^r	126,000	133	2,880	3,020	
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	
Total	73,000	76,000	149,000	220	8,530	8,750	

(Metric tons, manganese content)²

^rRevised.

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 FEBRUARY 2007 $^{\rm 1}$

(Metric tons)

					Year to date	
	Gross	Mn	Customs	Gross	Mn	Customs
Source	weight	content	value ²	weight	content	value ²
Australia	9,720	6,490	\$5,990,000	10,400	6,950	\$6,420,000
Mexico	1,300	848	930,000	2,300	1,500	1,620,000
Norway	4,000	2,500	4,030,000	9,850	6,220	9,320,000
Romania	4,540	3,320	3,610,000	4,540	3,320	3,610,000
South Africa	15,700	10,400	10,900,000	23,800	15,800	16,300,000
Total	35,300	23,600	25,500,000	50,900	33,800	37,300,000

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 there fore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

TABLE 3 U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN FEBRUARY 2007 $^{\rm l}$

					Year to date	
	Gross	Mn	Customs	Gross	Mn	Customs
Source	weight	content	value ²	weight	content	value ²
Low carbon:						
China	856	722	\$1,260,000	9,660	8,000	\$11,000,000
Mexico	600	482	645,000	1,140	913	1,250,000
Russia	60	50	189,000	60	50	189,000
South Africa				200	185	305,000
Total	1,520	1,260	2,090,000	11,100	9,150	12,700,000
Medium carbon, 1%-2% C:						
China				3,580	2,880	3,570,000
Korea, Republic of				2,500	2,030	2,590,000
Mexico	1,030	827	872,000	1,520	1,210	1,320,000
South Africa	5,160	4,190	5,920,000	5,160	4,190	5,920,000
Total	6,190	5,020	6,800,000	12,800	10,300	13,400,000
High carbon:						
Australia	503	384	312,000	503	384	312,000
China	1,300	991	969,000	8,020	6,160	5,540,000
France	1,300	1,050	970,000	1,300	1,050	970,000
South Africa	2,100	1,620	1,300,000	12,000	9,340	8,070,000
Total	5,200	4,040	3,550,000	21,800	16,900	14,900,000
Grand total	12,900	10,300	12,400,000	45,700	36,400	41,000,000

(Metric tons)

-- 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 FEBRUARY 2007^{1, 2}

(Metric tons)

					Year to date	
Source	Gross weight	Mn content	Customs value ³	Gross weight	Mn c onte nt	Customs value ³
More than 20%, but less than 47% manganese:						
Australia				27,500	12,500	\$2,940,000
Gabon	6,640	2,920	\$433,000	6,640	2,920	433,000
Total	6,640	2,920	433,000	34,100	15,400	3,370,000
47% or more manganese:						
Australia				16,500	8,720	2,530,000
Brazil	3,480	1,740	209,000	7,120	3,670	1,010,000
China	743	684	82,000	743	684	82,000
Gabon	56,600	41,600	7,310,000	58,200	42,300	7,480,000
Total	60,900	44,000	7,600,000	82,600	55,400	11,100,000
Grand total	67,500	46,900	8,030,000	117,000	70,800	14,500,000
7						

-- 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 there fore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

TABLE 5

U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE IN FEBRUARY $2007^{\rm l}$

		Year to	date	
	Customs		Customs	
Quantity	value ²	Quantity	value ²	
1,940	\$2,610,000	1,940	\$2,610,000	
9	96,500	24	121,000	
		6	9,830	
472	489,000	1,380	1,460,000	
		4	7,630	
(3)	2,940	(3)	2,940	
189	257,000	224	304,000	
		13	9,240	
7	11,500	26	23,000	
2,620	3,470,000	3,620	4,550,000	
	1,940 9 472 (3) 189 7	Quantity value ² 1,940 \$2,610,000 9 96,500 472 489,000 (3) 2,940 189 257,000 7 11,500	Customs Quantity Value ² Quantity 1,940 \$2,610,000 1,940 9 96,500 24 6 472 489,000 1,380 4 (3) 2,940 (3) 189 257,000 224 13 7 11,500 26	

(Metric tons, gross weight)

-- 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 there fore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

³Less than ¹/₂ unit.

TABLE 6

U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN FEBRUARY 2007^1

(Metric tons)

			Year to date		
Source	Gross weight	Customs value ²	Gross weight	Customs value ²	
Unwrought flake:					
China	744	\$1,170,000	3,530	\$5,230,000	
South Africa	133	248,000	247	455,000	
Total	878	1,420,000	3,780	5,680,000	
Unwrought powder:					
China	126	199,000	326	482,000	
South Africa	375	653,000	750	1,320,000	
Total	501	852,000	1,080	1,800,000	
Unwrought, other:					
China	155	271,000	288	444,000	
Germany	102	226,000	333	699,000	
Spain			16	8,920	
Total	257	497,000	636	1,150,000	
Other manganese, wrought:					
France	1	16,700	8	92,900	
Japan	(3)	2,100	(3)	2,100	
Mexico	41	77,600	73	148,000	
Spain	50	84,900	50	84,900	
Total	92	181,000	131	327,000	
Grand total	1,730	2,950,000	5,620	8,960,000	

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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 there fore excludes U.S. import duties, freight, insurance, and other changes incurred in bringing the material into the United States.

³Less than ¹/₂ unit.

Note: Imports for consumption of metallic waste and scrap totaled 91 tons, all of which was from Canada, to give a year-to-date total of 287 metric tons.

TABLE 7

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

			Ferron	nangane se,					
	Mang	Manganese ore		2% or less C		Silicomanganese		Manganese metal ²	
Country	February	Year to date	February	Year to date	February	Year to date	February	Year to date	
Argentina							3	3	
Belgium	8	8					159	227	
Canada	54	139	710	1,730	193	426		3	
China							26	26	
Germany	225	225					2	2	
Hong Kong							40	74	
India								14	
Ireland			9	9					
Israel								8	
Japan							146	213	
Korea, Republic of							1	1	
Mexico					140	140	5	5	
Sweden							12	16	
Vietnam		69							
Total	287	441	719	1,740	333	566	393	593	

(Metric tons, gross weight)

-- 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.

Note: Exports of ferromanganese with more than 2% carbon totaled 7,810 metric tons, of which 6,370 metric tons went to Netherlands, 1,410 metric tons to Mexico, 23 metric tons to Chile, and 17 metric tons to Canada, to give a year-to-date total of 7,840 metric tons.

Source: U.S. Census Bureau.

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

					Year	to date
			Principal sources			Principal sources
			and destinations:			and destinations:
	Gross weight	Value ²	gross weight (metric tons);	Gross weight	Value ²	gross weight (metric tons);
Class	(metric tons)	(thousands)	value ² (thousands)	(metric tons)	(thousands)	value ² (thousands)
Imports for consumption:						
Manganese oxides other than dioxide	399	\$277	Mexico 334; \$160	684	\$454	Mexico 545; \$260
Manganites, manganates, and						
other permanganates						
Potassium permanganate	72	177	India 54; \$131	201	482	India 124; \$299
Sodium permanganate	67	107	China 67; \$107	82	129	China 82; \$129
Sulfates, basket category,						
including manganese sulfate	3,300	1,710	Mexico 2,140; \$990	8,950	4,210	Mexico 4,000; \$1,990
Exports:						
Manganese dioxide	765	683	Canada 465; \$246	1,390	1,310	Canada 808; \$424
Manganese oxides other than dioxide	1,070	869	Canada 479; \$203	1,570	1,270	Canada 879; \$385
Manganites, manganates, and						
other permanganates	8	7	St. Lucia Island 7; \$4	14	21	Canada 8;\$17
Potassium permanganate	216	506	Netherlands 135; \$236	460	994	Belgium 192; \$326
Sodium permanganate	157	351	Spain 88; \$165	298	630	Belgium 97; \$170
Sulfates, basket category,						
including manganese sulfate	2,250	1,820	Canada 1,330; \$1,000	4,480	3,830	Canada 2,710; \$1,940
7						

-- Zero.

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

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