

Mineral Industry Surveys

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MANGANESE IN FEBRUARY 2006

On a gross-weight basis, reported consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was 18,300 metric tons (t) in February 2006, which was a 44% decrease compared with that in January 2006, according to the U.S. Geological Survey. This figure increases to 20,700 t when estimates for annual respondents are added on the basis of 2005 data. Corresponding industry stocks of ore at the end of the month were 302,000 t, which includes an estimate for annual respondents on the basis of 2005 data. This was a 5% decrease from that of January 2006. Foreign trade data for February will appear in a subsequent report. The following comparisons of trade data were made on the basis of manganese content (table 1). The data for January 2006 tabulated in this report indicate that the total exports of 1,760 t were 46% lower than those of the prior month, owing to a decrease in exports of manganese ore. Manganese imports were 45,900 t, which was a decrease of 39% compared with those of December 2005. The decrease in manganese imports was primarily attributable to decreases in manganese ore, metal, and silicomanganese imports.

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)
February 2	720.00-750.00	51.00-54.00	37.00-38.50	68.00-70.00
February 9	720.00-750.00	51.00-54.00	36.00-39.00	68.00-70.00
February 16	720.00-750.00	57.00-59.00	36.00-39.00	68.00-70.00
February 23	720.00-750.00	58.00-62.00	37.00-39.00	68.00-70.00

Ore Prices, dollars per metric ton unit, manganese content³

	44% Manganese Ore ²	48% Manganese Ore ²
February 2	1.85-1.95	2.30-2.40
February 9	1.85-1.95	2.30-2.40
February 16	1.85-1.95	2.30-2.40
February 23	1.85-1.95	2.30-2.40

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

(Metric tons, manganese content)²

	Impor	Imports for consumption		Exports		
	Ore and	Ferroalloy			Ferroalloy	
	dioxide	and metal	Total	Ore	and metal	Total
2005, January	7,650	45,000	52,600	162	955	1,120
2006, January	20,300	25,600	45,900	46	1,710	1,760

¹Data are 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 JANUARY 2006¹

(Metric tons)

	Gross	Mn	Customs
Source	weight	content	value ²
Mexico	530	345	\$311,000
Norway	7,000	4,410	6,590,000
South Africa	9,520	6,140	5,900,000
Total	17,000	10,900	12,800,000

¹Data are 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.

TABLE 3

U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JANUARY

2006¹

(Metric	tons)
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	Gross	Mn	Customs
Source	weight	content	value ²
Low carbon:			
China	662	597	\$977,000
Korea, Republic of	4,860	3,970	4,390,000
Mexico	720	568	728,000
South Africa	158	131	262,000
Total, low carbon	6,400	5,260	6,360,000
Medium carbon, 1%-2% C:			
Mexico	854	673	837,000
South Africa	667	540	418,000
Total, m.c., 1%-2% C	1,520	1,210	1,260,000
High carbon:			
Australia	1,000	769	576,000
South Africa	7,180	5,600	3,450,000
Total, high carbon	8,180	6,370	4,030,000
Grand total	16,100	12,800	11,600,000

¹Data are 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 4U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn)IN JANUARY 2006^{1,2}

(Metric tons)

	Gross	Mn	Customs
Source	weight	content	value ³
More than 20%, but less than 47% manganese:			
China	926	301	\$54,100
47% or more manganese:			
Australia	11,100	5,650	1,580,000
Belgium	19	13	15,000
Gabon	26,600	12,900	1,740,000
Morocco	20	17	6,000
Total	37,700	18,600	3,330,000
Grand total	38,600	18,900	3,390,000

¹Quantities for general imports and imports for consumption are identical.

²Data are 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.

TABLE 5U.S. IMPORTS FOR CONSUMPTION OF MANGANESEDIOXIDE IN JANUARY 20061

(Metric tons, gross weight)

	Manganese dioxide		
		Customs	
Source	Quantity	value ²	
Australia	258	\$335,000	
Belgium	118	340,000	
Brazil	40	20,200	
China	1,220	1,240,000	
Germany	8	31,300	
Japan	471	613,000	
Mexico	150	183,000	
Total	2,260	2,760,000	

¹Data are 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 6 U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN JANUARY 2006^1

(Metric tons)

	Gross	Customs
Source	weight	value ²
Unwrought flake:		
China	540	\$737,000
South Africa	348	650,000
Total	888	1,390,000
Unwrought powder:		
China	60	78,700
South Africa	39	73,800
Total	99	152,000
Unwrought, other:		
Germany	216	404,000
South Africa	140	252,000
Spain	75	122,000
Total	431	778,000
Other manganese, wrought:		
Brazil	294	210,000
China	116	149,000
France	4	37,700
Total	414	397,000
Grand total	1,830	2,710,000

^TData are 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.

Note: Imports for consumption of metallic manganese waste and scrap totaled 138 tons, all of which was from Canada.

TABLE 7

U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE, SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN JANUARY 2006¹

Ferromanganese,					
Country	Manganese ore	2% or less C	Silicomanganese	Manganese metal ²	
Australia			3		
Belgium				160	
Canada	63	1,150		40	
Colombia				1	
Dominican Republic	9				
Indonesia	20				
Japan				51	
Malaysia				3	
Mexico			11	1	
Trinidad and Tobago				1	
Total	92	1,150	14	257	

(Metric tons, gross weight)

-- Zero.

¹Data are 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 675 tons, of which 569 tons went to Mexico, 84 tons went to Canada, 20 tons went to Argentina, and 2 tons went to Chile.

Source: U.S. Census Bureau.

TABLE 8

U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JANUARY 2006, BY CLASS¹

	Gross weight	Value ²	Principal sources and destinations: gross weight (metric tons);
Class	(metric tons)	(thousands)	value ² (thousands)
Imports for consumption:			
Manganese oxides other than dioxide	676	\$609	China 340; \$427
Potassium permanganate	106	223	Czech Republic 56; \$120
Sulfates, basket category,			
including manganese sulfate	4,750	2,110	China 2,940; \$1,080
Exports:			
Manganese dioxide	505	393	Canada 334; \$182
Manganese oxides other than dioxide	1,700	918	Canada 1,540; \$585
Manganites, manganates, and			
other permanganates	4	9	Canada 4; \$9
Potassium permanganate	413	1,030	Spain 282; \$619
Sodium permanganate	40	92	Japan 15; \$37
Sulfates, basket category,			
including manganese sulfate	1,570	1,330	Canada 1,170; \$543

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

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