

Mineral Industry Surveys

For information, contact:

Lisa A. Corathers, Manganese Commodity Specialist
 U.S. Geological Survey
 989 National Center
 Reston, VA 20192
 Telephone: (703) 648-4973, Fax: (703) 648-7757
 E-mail: lcorathers@usgs.gov

Connie Lopez (Data)
 Telephone: (703) 648-7995
 Fax: (703) 648-7975
 E-mail: connelopez@usgs.gov

Internet: <http://minerals.usgs.gov/minerals>

MANGANESE IN FEBRUARY 2008

Preliminary reported data (gross weight) for February 2008 indicate that consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was 24,800 metric tons (t), according to the U.S. Geological Survey. This was about the same amount that was reported consumed in January 2008 (revised), but only about 29% of net manganese ore imports in February (84,900 t). This discrepancy is attributable to incomplete reporting to the USGS

voluntary manganese ore consumption survey. Corresponding industry stocks of ore at the end of the month were 98,900 t, which was about the same as that at the end of January 2008. These data include estimates for annual respondents on the basis of 2007 data.

Data for U.S. imports and exports for January are published in this issue.

Ferroalloy Prices, manganese content

	High-carbon ferromanganese ¹ (dollars per gross ton)	Medium-carbon ferromanganese ¹ (cents per pound)	Silicomanganese ¹ (cents per pound)	Manganese metal ² (cents per pound)
February 7	2,200.00-2,300.00	180.00-190.00	90.00-95.00	185.00-195.00
February 14	2,250.00-2,350.00	183.00-190.00	95.00-100.00	190.00-195.00
February 21	2,350.00-2,450.00	195.00-200.00	100.00-105.00	200.00-210.00
February 28	2,350.00-2,500.00	195.00-205.00	105.00-110.00	210.00-215.00

Ore Prices, dollars per metric ton unit, manganese content³

	44% Manganese Ore ²	48% Manganese Ore ²
February 7	10.75-11.25	12.00-13.00
February 14	10.75-11.25	12.00-13.00
February 21	10.75-11.25	12.00-13.00
February 28	10.75-11.25	12.00-13.00

¹Source: Platts Metals Week, dealer import price.

²Source: Ryan's Notes, cost and freight, China.

³To determine dollars per metric ton, multiply the manganese content percentage by the price.

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
2007, January	24,500	40,300	64,800	77	1,180	1,260
2008, January	3,910	77,900	81,800	2,200	586	2,790

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 JANUARY 2008¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
Australia	2,760	1,820	\$4,130,000
Georgia	26,100	19,500	40,100,000
Mexico	1,300	857	1,100,000
Norway	6,900	4,460	10,800,000
Russia	1,600	1,060	2,780,000
Saudi Arabia	500	327	710,000
South Africa	10,400	7,030	15,500,000
Total	49,600	35,100	75,100,000

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 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 JANUARY 2008¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
Low carbon:			
China	4,230	3,690	\$9,600,000
Mexico	880	712	1,020,000
Norway	426	343	1,220,000
United Kingdom	72	61	43,200
Total	5,610	4,800	11,900,000
Medium carbon, 1%-2% C:			
China	3,540	2,840	2,820,000
Mexico	1,900	1,550	1,950,000
South Africa	6,170	4,990	10,300,000
Total	11,600	9,380	15,000,000
High carbon:			
China	5,030	3,860	7,370,000
India	700	508	949,000
South Africa	18,300	14,100	26,800,000
Ukraine	6,040	4,740	10,200,000
Total	30,000	23,200	45,300,000
Grand total	47,300	37,400	72,200,000

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 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 JANUARY 2008^{1,2}

(Metric tons)

Source	Gross weight	Mn content	Customs value ³
More than 20%, but less than 47% manganese	--	--	--
47% or more manganese, Brazil	3,450	1,730	\$207,000
Total	3,450	1,730	207,000

-- 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 JANUARY 2008¹

(Metric tons, gross weight)

Source	Quantity	Customs value ²
Australia	3,050	\$4,270,000
Belgium	20	46,700
China	487	541,000
Germany	9	14,500
Japan	70	99,100
Singapore	14	23,900
Total	3,650	5,000,000

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 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 2008¹

(Metric tons)

Source	Gross weight	Customs value ²
Unwrought flake:		
China	3,820	\$10,700,000
South Africa	76	153,000
Total	3,890	10,900,000
Unwrought powder:		
China	783	2,890,000
Korea, Republic of	19	51,300
South Africa	257	661,000
Total	1,060	3,600,000
Unwrought, other:		
China	153	334,000
Germany	165	706,000
United Kingdom	75	311,000
Total	393	1,350,000
Other manganese, wrought, Mexico	102	496,000
Grand total	5,450	16,300,000

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 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 waste and scrap totaled 20 tons, all of which was from Canada.

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 JANUARY 2008¹

(Metric tons, gross weight)

Country	Ferromanganese,			Manganese metal ²
	Manganese ore	2% or less C	Silicomanganese	
Belgium	--	--	--	77
Canada	41	76	4	13
Chile	--	9	--	--
China	4,300	--	--	113
Germany	19	--	--	38
India	--	--	--	20
Israel	16	--	--	--
Italy	--	--	--	11
Japan	2	6	--	--
Korea, Republic of	30	--	--	--
Mexico	--	--	--	7
Vietnam	--	--	--	11
Total	4,410	91	4	290

-- 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 279 tons, of which 270 metric tons went to Canada and 9 tons went to Mexico.

Source: U.S. Census Bureau.

TABLE 8
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JANUARY 2008, BY CLASS¹

Class	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	485	\$317	Mexico 404; \$187
Manganites, manganates, and other permanganates	--	--	--
Potassium permanganate	108	271	Czech Republic 58; \$144
Sodium permanganate	35	71	China 35; \$71
Sulfates, basket category, including manganese sulfate	1,370	1,020	Mexico 692; \$380
Exports:			
Manganese dioxide	908	624	Canada 593; \$328
Manganese oxides other than dioxide	1,330	976	Canada 1,060; \$422
Manganites, manganates, and other permanganates	8	34	Canada 7; \$18
Potassium permanganate	238	511	Belgium 200; \$372
Sodium permanganate	126	353	Belgium 27; \$38
Sulfates, basket category, including manganese sulfate	1,820	1,970	Canada 1,580; \$1,580

-- 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.