



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: connielopez@usgs.gov

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

MANGANESE IN JANUARY 2013

Preliminary domestic data (gross weight) for January 2013 indicated that consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was 50,200 metric tons (t). This was a slight increase from the amount consumed in December 2012. Manganese ore consumption during January 2013 was 9% higher than the amount that was consumed in January 2012. Industry stocks of

ore at the end of December 2012 were 218,000 t, which was a 5% increase from those at the end of December 2012.

Included in this Mineral Industry Surveys are U.S. spot market prices and U.S. foreign trade data for selected manganese-containing materials in January 2013.

TABLE 1
PRICES FOR MANGANESE FERROALLOYS, METAL, AND ORE IN JANUARY 2013

		High	Low	Average	Average low, mid, and high
Manganese ferroalloys:¹					
High-carbon ferromanganese, 75% manganese	dollars per long ton of contained manganese	1,100.00	1,070.00	1,085.00	XX
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	86.00	83.00	84.30	XX
Silicomanganese, 65% manganese	do.	52.00	50.50	51.25	XX
Manganese metal, 99.9% manganese flake ²	cents per pound	137.00	126.50	XX	127.38–129.13–130.88
Manganese ore:^{3, 4}					
36%–39% manganese	dollars per metric ton unit contained manganese	5.25	4.90	XX	4.93–5.02–5.11
44% manganese	do.	5.65	5.30	XX	5.31–5.38–5.44
46% manganese	do.	5.65	5.30	XX	5.33–5.38–5.44

do. Ditto. XX Not applicable.

¹Platts Metals Week; in U.S. warehouse; average prices reported for all transactions during the month.

²Ryan's Notes North American transaction prices, electrolytic manganese metal flake, 99.99% manganese, free-on-board producing point or Chicago/Pittsburgh warehouse; average prices reported for the price range.

³Ryan's Notes, cost and freight, China; average prices reported for the price range.

⁴To determine dollars per metric ton of ore (gross weight), multiply the manganese content percentage by the price; that is, by 46 when the manganese content is 46%.

TABLE 2
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
2012, January	11,800	53,000	64,800	36	603	639
2013, January	11,300	26,200	37,500	16	464	480

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 3
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JANUARY 2013¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
Bahrain	1,200	804	\$1,460,000
Georgia	12,000	8,280	13,000,000
India	1,160	686	1,760,000
Korea, Republic of	1,580	1,020	1,760,000
Mexico	3,080	2,010	3,170,000
Norway	494	313	960,000
South Africa	3,000	1,990	3,240,000
Total	22,500	15,100	25,300,000

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.

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JANUARY 2013¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
Low carbon:			
China	105	101	\$244,000
Korea, Republic of	95	86	221,000
Mexico	500	405	868,000
Norway	57	46	133,000
Total	757	637	1,470,000
Medium carbon, 1%–2% C:			
Korea, Republic of	614	380	943,000
Mexico	241	182	536,000
South Africa	635	514	942,000
Total	1,490	1,080	2,420,000
Medium carbon, 2%–4% C, South Africa			
	18	14	40,300
High carbon:			
Canada	6	3	10,400
Korea, Republic of	2,020	1,440	2,150,000
South Africa	5,720	4,390	6,490,000
Spain	72	55	76,200
Total	7,810	5,890	8,730,000
Grand total	10,100	7,620	12,700,000

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 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn) IN JANUARY 2013^{1,2}

(Metric tons)

Source	Gross weight	Mn content	Customs value ³
More than 20%, but less than 47% manganese, Mexico	2,920	1,130	\$593,000
47% or more manganese:			
Brazil	104	52	42,400
Gabon	10,100	9,210	3,180,000
Georgia	63	58	230,000
South Africa	40	19	20,500
Total	10,300	9,330	3,470,000
Grand total	13,200	10,500	4,060,000

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 6
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE
DIOXIDE IN JANUARY 2013¹

(Metric tons, gross weight)

Source	Quantity	Customs value ²
Belgium	5	\$8,740
Japan	360	848,000
Singapore	11	19,400
South Africa	1,010	2,290,000
Turkey	48	81,600
Total	1,430	3,250,000

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 7
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN JANUARY 2013¹

(Metric tons)

Source	Gross weight	Customs value ²
Unwrought flake:		
China	405	\$1,010,000
Japan	4	14,800
Mexico	21	91,300
South Africa	1,140	3,020,000
Total	1,570	4,140,000
Unwrought powder, South Africa	80	353,000
Unwrought, other:		
China	1,670	3,850,000
Poland	(³)	4,320
South Africa	38	155,000
Total	1,700	4,010,000
Other manganese, wrought, China	1	2,250
Grand total	3,350	8,500,000

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.

³Less than ½ unit.

Note: Imports for consumption of metallic waste and scrap totaled 219 tons, all of which was from Canada.

Source: U.S. Census Bureau.

TABLE 8
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE, SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN JANUARY 2013^{1,2}

Source	Gross weight (metric tons)	F.a.s. ³ value (thousands)
Ore and concentrates with 20% or more manganese, Netherlands	32	\$129
Ferromanganese:		
2% or less carbon:		
Canada	46	59
Turkey	60	132
Total	106	191
More than 2% carbon:		
Brazil	4	12
Canada	47	53
Total	51	65
Silicomanganese, Canada	343	440
Metal, including alloys and waste and scrap: ⁴		
Canada	6	21
China	70	314
Taiwan	22	47
Vietnam	17	37
Total	114	419
Grand total	646	1,240

¹Presentation of monthly data is based on the year-to-date quantities (gross weight) of the leading countries.

²Data rounded to no more than three significant digits; may not add to totals shown.

³Free alongside ship.

⁴Includes manganese-aluminum, other alloys, and waste and scrap.

Source: U.S. Census Bureau.

TABLE 9
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JANUARY 2013, 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	283	\$317	Mexico 146; \$136
Manganites, manganates, and other permanganates	--	--	XX
Potassium permanganate	144	425	India 144; \$425
Sodium permanganate	73	179	China 73; \$179
Sulfates, basket category, including manganese sulfate	4,300	3,920	Mexico 1,760; \$1,600
Exports:			
Manganese dioxide	465	881	Canada 197; \$169
Manganese oxides other than dioxide	712	1,060	Canada 317; \$398
Manganites, manganates, and other permanganates	18	51	Canada 17; \$47
Potassium permanganate	234	652	Belgium 176; \$408
Sodium permanganate	32	106	Korea, Republic of 13; \$38
Sulfates, basket category, including manganese sulfate	1,800	1,720	Canada 1,600; \$1,140

XX Not applicable. -- 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.