

Mineral Industry Surveys

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MANGANESE IN JANUARY 2019

On a gross-weight basis, U.S. imports of manganese ore in January 2019 were 8,660 metric tons (t), 22% more than the 7,100 t imported in December 2018 (fig. 1, table 5).

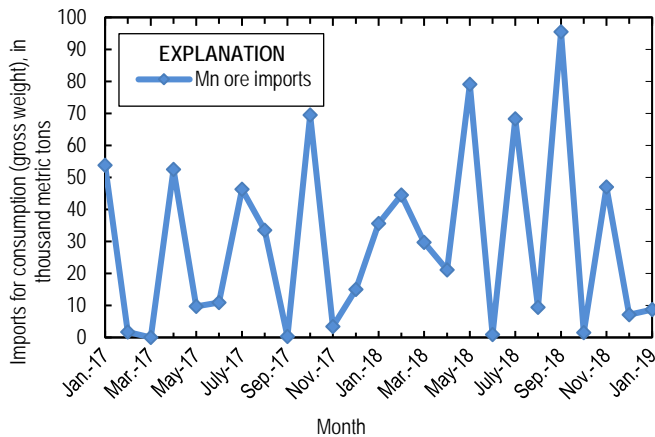


Figure 1. Monthly imports of manganese (Mn) ore from January 2017 through January 2019. Source: U.S. Census Bureau.

In January 2019, the average spot prices for manganese ore deliveries to China were \$5.91 per metric ton unit, 36%–39% grade, and \$6.81 per metric ton unit, 44% grade (fig. 2, table 1). Compared with December 2018 prices, the 36%–39%-grade price was 7% less and the 44%-grade price was 5% less. Compared with the monthly average prices in January 2018, the

36%–39%-grade price was 11% less and the 44%-grade price was essentially unchanged.

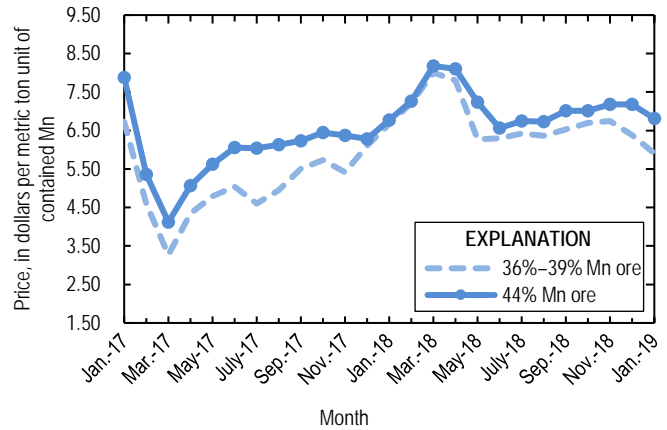


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from January 2017 through January 2019. Source: CRU Group.

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TABLE 1
PRICES FOR MANGANESE FERROALLOYS, METAL, AND ORE IN JANUARY 2019

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 75% manganese	dollars per long ton of contained manganese	1,300.00	1,335.00	1,370.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	112.00	113.00	114.00
Silicomanganese, 65% manganese	do.	62.00	62.50	63.00
Manganese metal, 99.9% manganese flake ²	cents per pound	120.00	134.00	140.00
Manganese ore:^{3, 4}				
36%–39% manganese	dollars per metric ton unit contained manganese	5.65	5.91	6.40
44% manganese	do.	6.45	6.81	7.25

do. Ditto.

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

²CRU Ryan'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.

³CRU Ryan'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 44 when the manganese content is 44%.

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
2018, January	17,300	66,800	84,000 ^r	18	221	239
2019, January	4,670	27,000	31,600	19	1,690	1,710

^rRevised.

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 3
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JANUARY 2019¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
Georgia	1,650	1,210	\$1,970,000
Mexico	2,240	1,460	2,560,000
Norway	1,450	939	1,730,000
South Africa	3,900	2,540	4,290,000
Spain	3,000	1,970	3,340,000
Total	12,200	8,110	13,900,000

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 4
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JANUARY 2019¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
Low carbon:			
China	181	172	\$327,000
Korea, Republic of	801	677	1,630,000
Mexico	200	157	388,000
Norway	3,890	3,140	6,670,000
South Africa	54	47	90,600
Spain	837	670	1,400,000
Total	5,960	4,870	10,500,000
Medium carbon, 1%–2% C:			
Korea, Republic of	2,200	1,760	3,520,000
Malaysia	21	16	30,700
Mexico	891	695	1,370,000
Norway	300	243	464,000
South Africa	1,300	1,030	2,200,000
Total	4,710	3,740	7,580,000
High carbon:			
Brazil	107	77	121,000
Malaysia	182	138	207,000
Mexico	1	1	2,040
Russia	1,870	1,430	1,650,000
Saudi Arabia	20	12	32,800
South Africa	2,900	2,190	3,500,000
Ukraine	1,710	1,300	1,500,000
Total	6,790	5,150	7,020,000
Grand total	17,500	13,800	25,100,000

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 5
 U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn)
 IN JANUARY 2019¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
More than 20%, but less than 47% manganese, South Africa	162	65	\$38,600
47% or more manganese:			
Brazil	26	13	17,800
Gabon	8,430	4,320	2,870,000
Morocco	39	22	50,900
Turkey	4	3	2,380
Total	8,500	4,360	2,940,000
Grand total	8,660	4,430	2,980,000

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 DIOXIDE
 IN JANUARY 2019¹

(Metric tons, gross weight)

Source	Quantity	Customs value ²
Brazil	53	\$89,800
China	17	49,700
Japan	342	752,000
Total	412	891,000

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 2019¹

(Metric tons)

Source	Gross weight	Customs value ²
Unwrought flake:		
China	1,570	\$3,450,000
Japan	(3)	136,000
Mexico	1	2,890
South Africa	385	1,270,000
Total	1,950	4,870,000
Unwrought powder, South Africa	199	592,000
Unwrought, other:		
China	2,420	5,080,000
Germany	287	698,000
South Africa	184	445,000
Spain	16	27,800
Total	2,900	6,260,000
Other manganese, wrought, Germany	41	470,000
Grand total	5,100	12,200,000

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

³Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 8
 U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE,
 SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OR LOCALITY OF DESTINATION
 IN JANUARY 2019^{1,2}

Source	Gross weight (metric tons)	F.a.s. ³ value (thousands)
Ore and concentrates with 20% or more manganese:		
Bahamas	6	\$6
Netherlands	32	179
Total	38	185
Ferromanganese:		
2% or less carbon:		
Canada	482	861
Chile	9	17
China	24	47
Total	515	925
More than 2% carbon, Canada	1,160	1,560
Silicomanganese, Canada	30	39
Metal, including alloys and waste and scrap: ⁵		
Canada	2	13
Germany	(4)	5
India	39	17
Jamaica	3	13
Japan	20	72
Malaysia	261	93
Mexico	4	117
Pakistan	20	6
Total	348	336
Grand total	2,090	3,040

¹Presentation of monthly data is based on the January quantities of the leading countries.

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

³Free alongside ship.

⁴Less than ½ unit.

⁵Includes 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 2019, 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	4,130	\$2,630	South Africa 2,400; \$1,160
Manganites, manganates, and other permanganates	19	44	China 19; \$44
Potassium permanganate	71	187	India 71; \$187
Sodium permanganate	114	255	China 114; \$255
Sulfates, basket category, including manganese sulfate	4,270	3,790	Mexico 2,170; \$1,400
Exports:			
Manganese dioxide	566	783	Canada 385; \$386
Manganese oxides other than dioxide	327	586	Poland 100; \$129
Manganites, manganates, and other permanganates	1	6	Canada 1; \$3
Potassium permanganate	374	990	Belgium 163; \$392
Sodium permanganate	17	58	Japan 15; \$38
Sulfates, basket category, including manganese sulfate	1,710	2,640	Canada 1,380; \$1,230

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.