

Mineral Industry Surveys

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MANGANESE IN JANUARY 2020

On a gross-weight basis, U.S. imports of manganese ore in January 2020 were 297 metric tons (t), a decrease from 27,900 t in December 2019 and 8,660 t in January 2019 (fig. 1, table 5).

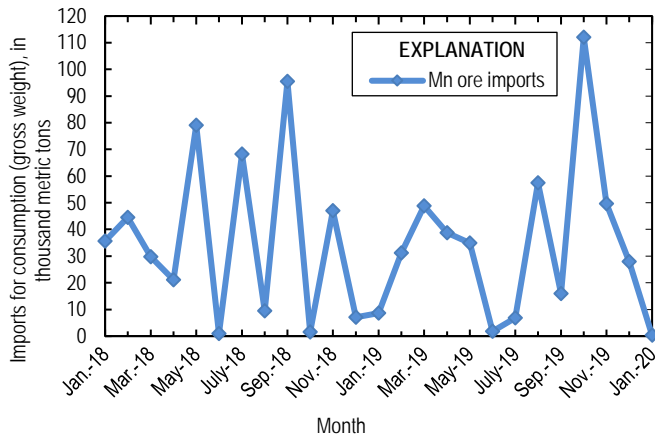


Figure 1. Monthly imports of manganese (Mn) ore from January 2018 through January 2020. Source: U.S. Census Bureau.

In January 2020, the average spot prices for manganese ore deliveries to China were \$4.29 per metric ton unit, 36%–39% grade, and \$4.27 per metric ton unit, 44% grade (fig. 2, table 1). Compared with December 2019 prices, the 36%–39%-grade price was 17% more and the 44%-grade price was 14% more. Compared with the monthly average prices in January 2019, the

36%–39%-grade price was 27% less and the 44%-grade price was 37% less.

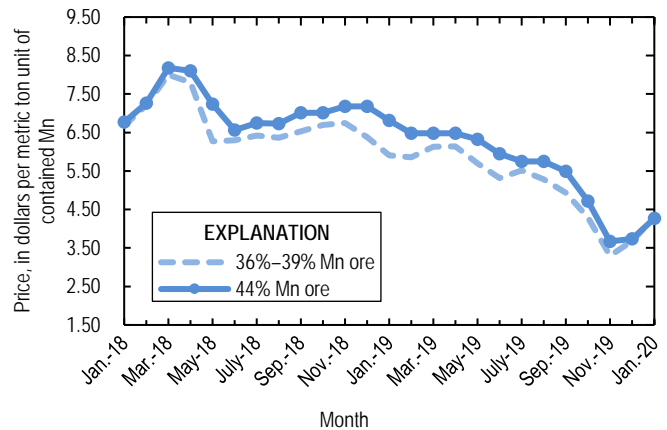


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from January 2018 through January 2020. Source: CRU Group.

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TABLE 1
PRICES FOR MANGANESE FERROALLOYS, METAL, AND ORE IN JANUARY 2020

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 75% manganese	dollars per long ton of contained manganese	1,050.00	1,075.00	1,100.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	85.00	90.00	95.00
Silicomanganese, 65% manganese	do.	49.50	50.50	51.50
Manganese metal, 99.7% manganese flake ²	cents per pound	90.00	95.28	100.00
Manganese ore:^{3,4}				
36%–39% manganese	dollars per metric ton unit contained manganese	3.80	4.29	4.40
44% manganese	do.	4.20	4.27	4.30

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, 99.7% manganese, ex-works; 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
2019, January	4,670	27,000	31,600	19	1,690	1,710
2020, January	461	51,800	52,300	20	672	692

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 2020¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
Georgia	23,000	16,100	\$27,400,000
Korea, Republic of	19	12	39,900
Malaysia	4,000	2,600	3,420,000
Mexico	115	72	119,000
Norway	690	429	914,000
Russia	2,850	1,210	2,850,000
Total	30,700	20,400	34,800,000

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.

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JANUARY 2020¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
Low carbon:			
China	6	6	\$14,400
Japan	96	75	145,000
Korea, Republic of	599	551	1,070,000
Mexico	18	15	47,200
Norway	4,600	3,710	6,810,000
South Africa	75	61	120,000
Total	5,390	4,420	8,210,000
Medium carbon, 1%–2% C:			
Brazil	540	430	497,000
India	227	180	321,000
Korea, Republic of	6,640	5,310	8,890,000
Mexico	20	16	38,200
South Africa	1,360	1,100	2,410,000
Total	8,790	7,040	12,100,000
High carbon:			
Brazil	203	149	177,000
France	256	197	310,000
India	116	87	107,000
Korea, Republic of	1,500	1,140	1,310,000
Malaysia	9,840	7,460	8,130,000
Mexico	1	1	2,310
Russia	10,200	7,790	9,070,000
South Africa	1,370	1,030	1,610,000
Zambia	238	81	185,000
Total	23,800	17,900	20,900,000
Grand total	37,900	29,400	41,300,000

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 5
 U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn)
 IN JANUARY 2020¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ²
More than 20%, but less than 47% manganese, South Africa	297	140	\$74,600

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 2020¹

(Metric tons, gross weight)

Source	Quantity	Customs value ²
Brazil	11	\$18,000
Germany	3	18,100
Japan	468	1,000,000
Mexico	10	17,800
Morocco	25	42,500
Spain	19	31,900
Total	536	1,130,000

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 2020¹

(Metric tons)

Source	Gross weight	Customs value ²
Unwrought flake:		
China	216	\$418,000
Japan	(3)	126,000
Singapore	48	73,200
South Africa	329	708,000
Total	594	1,320,000
Unwrought powder:		
China	20	34,000
Germany	(3)	6,100
Mexico	34	125,000
South Africa	124	371,000
Total	177	536,000
Unwrought, other:		
China	1,080	1,860,000
Germany	50	101,000
South Africa	63	162,000
Total	1,190	2,120,000
Other manganese, wrought:		
Germany	16	200,000
Mexico	60	133,000
United Kingdom	(3)	2,370
Total	76	335,000
Grand total	2,040	4,310,000

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 2020^{1, 2}

Source	Gross weight (metric tons)	F.a.s. ³ value (thousands)
Ore and concentrates with 20% or more manganese, Belgium	39	\$143
Ferromanganese:		
2% or less carbon, Israel	34	65
More than 2% carbon, Canada	32	33
Silicomanganese, Canada	147	171
Metal, including alloys and waste and scrap: ⁴		
Canada	1	10
Costa Rica	(5)	13
India	20	6
Malaysia	500	293
Mexico	1	25
Total	522	347
Grand total	774	759

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.

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

⁵Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS
IN JANUARY 2020, BY CLASS¹

Class	Gross weight (metric tons)	Value ² (thousands)	Principal sources and destinations: gross weight (metric tons); value ³ (thousands)
Imports for consumption:			
Manganese oxides other than dioxide	1,510	\$1,010	South Africa 955; \$586
Manganites, manganates, and other permanganates	19	37	China 19; \$34
Potassium permanganate	54	128	India 54; \$128
Sodium permanganate	109	207	China 109; \$207
Sulfates, basket category, including manganese sulfate	5,370	3,960	Mexico 1,830; \$1,440
Exports:			
Manganese dioxide	721	845	Canada 563; \$354
Manganese oxides other than dioxide	402	721	Taiwan 103; \$138
Manganites, manganates, and other permanganates	15	35	Canada 15; \$29
Potassium permanganate	128	370	Spain 55; \$106
Sodium permanganate	7	119	Korea, Republic of 6; \$19
Sulfates, basket category, including manganese sulfate	1,140	2,510	Canada 814; \$684

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.