

Mineral Industry Surveys

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MANGANESE IN JANUARY 2022

On a gross-weight basis, U.S. imports of manganese ore in January 2022 were 64,700 metric tons (t), slightly more than the amount in December 2021 (fig. 1, table 5). The leading source of manganese ore, >20% – <47% grade, was South Africa and the leading source for >47% grade was Gabon.

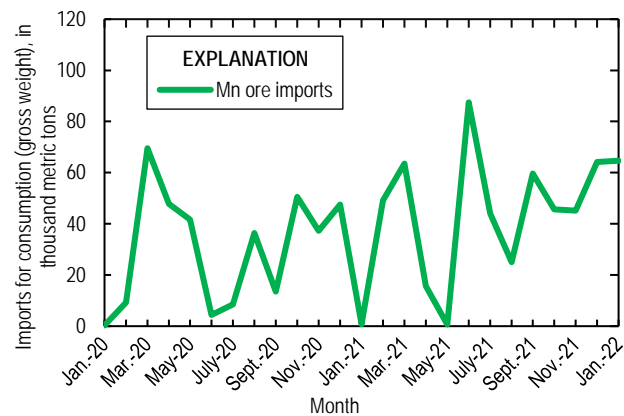


Figure 1. Monthly imports of manganese (Mn) ore from January 2020 through January 2022. Source: U.S. Census Bureau.

Prices

In January 2022, the average spot prices for manganese ore deliveries to China were \$4.55 per metric ton unit, 36%–38% grade, and \$5.44 per metric ton unit, 44% grade, slightly less and 4% less, respectively, than the December 2021 prices (fig. 2, table 1). Compared with the monthly average prices in

January 2021, the 36%–38% grade price was slightly less, and the 44% grade price was 14% more.

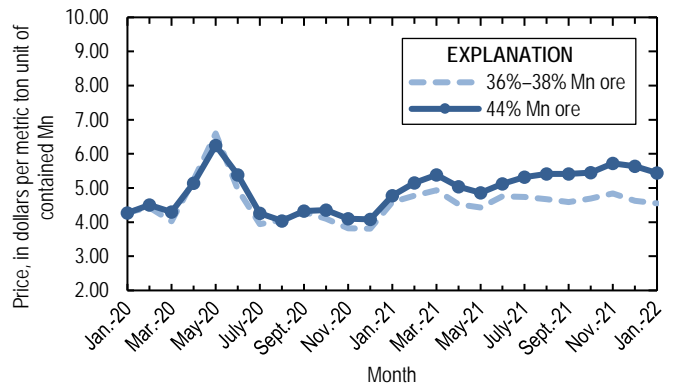


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from January 2020 through January 2022. Source: CRU Group.

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TABLE 1
PRICES FOR MANGANESE FERROALLOYS, METAL, AND ORE IN JANUARY 2022

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	2,500.00	2,550.00	2,600.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	260.00	262.50	265.00
Silicomanganese, 65% manganese	do.	125.00	127.50	130.00
Manganese metal, 99.7% manganese flake²	cents per pound	459.00	467.13	475.00
Manganese ore:^{3, 4}				
36%–38% manganese	dollars per metric ton unit contained manganese	4.50	4.55	4.65
44% manganese	do.	5.35	5.44	5.65

do. Ditto.

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

²CRU Group United States transaction prices, electrolytic manganese metal flake, 99.7% manganese, ex-works. Average prices are the average of the month high and low range.

³CRU Group, cost, insurance, and freight, China. Average prices are the average of the month high and low 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, gross weight)

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2021, January	989	24,600	25,500	83	1,350 ^r	1,440 ^r
2022, January	66,100	48,200	114,000	41	190	231

^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JANUARY 2022^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value
Australia	7,520	4,950	\$18,400,000
Georgia	1,250	882	2,230,000
Malaysia	6,720	4,380	11,900,000
Mexico	2,920	1,870	4,290,000
Norway	2,960	1,940	7,270,000
Russia	8,250	1,510	18,800,000
Total	29,600	15,500	62,900,000

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes Harmonized Tariff Schedule of the United States code 7202.30.0000.

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JANUARY 2022¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ² code	Gross weight	Mn content	Value
Low carbon, less than 1% C:	7202.19.1000			
Canada		3	3	\$5,790
Japan		120	97	458,000
Mexico		58	47	77,600
Norway		4,160	3,380	13,000,000
South Africa		19	16	31,600
Total		4,360	3,540	13,600,000
Medium carbon, 1%–2% C:	7202.19.5000			
Korea, Republic of		2,800	2,240	6,790,000
Mexico		260	199	658,000
South Africa		1,950	1,550	5,020,000
Total		5,010	3,980	12,500,000
High carbon, over 4% C:	7202.11.5000			
Brazil		96	70	160,000
India		678	508	846,000
Korea, Republic of		700	532	1,310,000
Malaysia		5,250	3,990	9,350,000
South Africa		769	586	1,520,000
Total		7,490	5,690	13,200,000
Grand total		16,900	13,200	39,300,000

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Harmonized Tariff Schedule of the United States.

Source: U.S. Census Bureau.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn) IN JANUARY 2022¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ² code	Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:	2602.00.0040			
Mexico		11,100	4,150	\$1,820,000
South Africa		45,900	18,400	6,890,000
Total		57,000	22,600	8,710,000
47% or more manganese:	2602.00.0060			
Gabon		7,320	6,500	1,120,000
Mexico		57	39	56,900
Netherlands		16	9	19,000
South Africa		300	146	114,000
Total		7,690	6,700	1,310,000
Grand total		64,700	29,300	10,000,000

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Harmonized Tariff Schedule of the United States.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE
IN JANUARY 2022^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value
Brazil	36	\$40,200
Germany	2	8,780
Greece	297	744,000
Japan	1,030	2,630,000
Mexico	15	26,000
Spain	21	35,000
Total	1,400	3,480,000

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Includes Harmonized Tariff Schedule of the United States code 2820.10.0000.

Source: U.S. Census Bureau.

TABLE 7
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL
IN JANUARY 2022¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ² code	Gross weight	Value
Unwrought flake:	8111.00.4700		
China		234	\$973,000
Japan		(3)	486,000
South Africa		396	2,980,000
Total		630	4,440,000
Unwrought powder:	8111.00.4910		
China		15	51,500
Mexico		20	69,900
South Africa		174	1,000,000
Total		209	1,120,000
Unwrought, other:	8111.00.4990		
China		488	1,350,000
Germany		97	336,000
South Africa		102	508,000
Total		687	2,190,000
Other manganese, wrought:	8111.00.6000		
China		3	36,400
Germany		3	44,100
Sweden		3	54,000
Total		9	134,000
Grand total		1,530	7,890,000

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Harmonized Tariff Schedule of the United States.

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 2022¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ² code	Gross weight	Value
Ferromanganese:			
2% or less carbon, Mexico:	7202.19.0000	6	10,700
Metal, including alloys and waste and scrap: ^{3,4}			
Canada		35	71,000
China		31	773,000
France		14	47,100
Germany		5	19,300
Japan		5	20,300
Korea, Republic of		(5)	3,530
Malaysia		82	44,300
Mexico		13	86,500
Total		185	1,060,000
Grand total		190	1,080,000

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Harmonized Tariff Schedule of the United States.

³Includes manganese-aluminum, other alloys, and waste and scrap.

⁴Presentation of data is based on the January quantities (gross weight) of the leading countries.

⁵Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS
IN JANUARY 2022¹

Compound	HTS ² code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)
Imports for consumption:				
Manganese oxides other than dioxide	2820.90.0000	1,890	\$1,780	South Africa 754; \$611.
Potassium permanganate	2841.61.0000	36	97	India (all).
Sodium permanganate	2841.69.0010	128	314	do.
Other sulfates, including manganese sulfate	2833.29.5100	5,160	4,340	China 2,230; \$1,770.
Exports:				
Manganese dioxide	2820.10.0000	576	635	Canada 374; \$304.
Manganese oxides other than dioxide	2820.90.0000	381	1,010	Malaysia 114; \$163.
Manganites, manganates, and other permanganates	2841.69.0090	31	64	Canada (all).
Potassium permanganate	2841.61.0000	249	698	Belgium 182; \$450.
Sodium permanganate	2841.69.0010	78	188	Belgium 58; \$143.
Other sulfates, including manganese sulfate	2833.29.9100	1,450	2,230	Canada 1,050; \$654.

do. Ditto.

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

²Harmonized Tariff Schedule of the United States.

Source: U.S. Census Bureau.