

# Mineral Industry Surveys

## For information, contact:

Ji-Eun Kim, Manganese Commodity Specialist  
National Minerals Information Center  
Telephone: (703) 648-7717  
Email: ji-eunkim@usgs.gov

Justin Y. Kang (Data)

Telephone: (703) 648-7961

Email: jkang@usgs.govp

**Internet:** <https://www.usgs.gov/centers/national-minerals-information-center/mineral-industry-surveys>.

## MANGANESE IN JANUARY 2024

On a gross-weight basis, U.S. imports of manganese ore in January 2024 increased to 52,200 metric tons (t) from 6,170 t in December 2023, and were 65% more than those in January 2023 (fig. 1, table 5). In January 2024, South Africa was the sole source of manganese ore imports for both >20% – <47% grade and >47% grade.

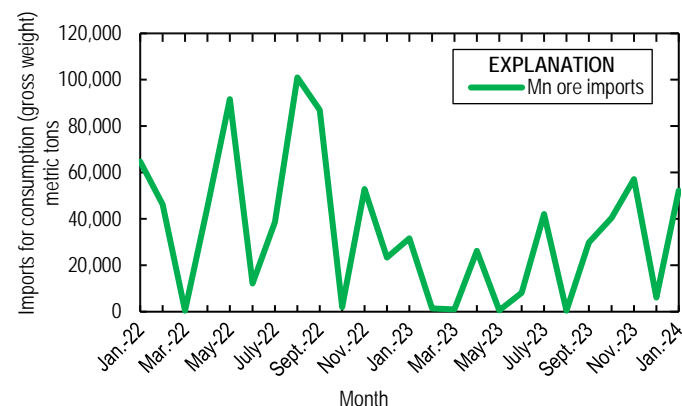


Figure 1. Monthly imports of manganese (Mn) ore from January 2022 through January 2024. Source: U.S. Census Bureau.

## Prices

In January 2024, the average spot prices of manganese ore deliveries to China were \$3.63 per metric ton unit for 36%–38% grade and \$4.15 per metric ton unit for 44% grade, both unchanged from the December 2023 prices (fig. 2, table 1). Compared with the monthly average prices in January 2023, the 36%–38% grade price was 15% less and the 44% grade price was 13% less.

## Industry News

United Manganese of Kalahari (UMK), a South African mining company, announced plans to decrease its manganese ore production for the time being owing to decreased demand (United Manganese of Kalahari, 2024). Port stocks in South Africa are currently oversupplied. Current port stocks can cover

about 10 months of consumption, compared with the 2 to 3 months' worth of consumption in ordinary conditions. The slower economic growth in China, which is a major consumer of manganese ore from South Africa, likely contributed to weakened demand (Schulz, 2024).

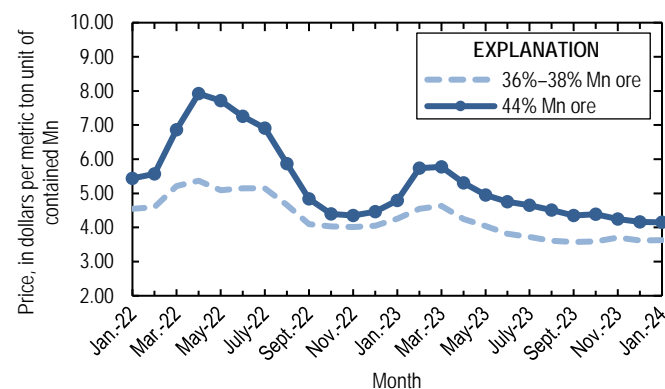


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from January 2022 through January 2024. Source: CRU Group.

## References Cited

- Schulz, Tanisha, 2024, Plans to reduce manganese ore output in South Africa: Cape Town, South Africa, Project Blue, January 9. (Accessed March 18, 2024, at <https://projectblue.com/blue/news-analysis/712/plans-to-reduce-manganese-ore-output-in-south-africa/>.)
- United Manganese of Kalahari, 2024, UMK to reduce manganese production and sales: Johannesburg, South Africa, United Manganese of Kalahari press release, January 3. (Accessed March 18, 2024, at <https://www.umk.co.za/umk-to-reduce-production-and-sales/>.)

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**Table 1.** Prices for manganese ferroalloys, metal, and ore in January 2024.

Product	Low	Average	High
Manganese ferroalloys <sup>1</sup>			
High-carbon ferromanganese, 76% manganese (dollars per long ton of contained manganese)	1,180.00	1,205.00	1,230.00
Medium-carbon ferromanganese, 85% manganese (cents per pound of contained manganese)	110.00	111.00	112.00
Silicomanganese, 65% manganese (cents per pound of contained manganese)	56.80	58.50	60.20
Metal <sup>2</sup>			
Manganese metal, 99.7% manganese flake (cents per pound)	110.00	123.33	135.00
Manganese ore <sup>3,4</sup>			
36%–38% manganese (dollars per metric ton unit contained manganese)	3.55	3.63	3.70
44% manganese (dollars per metric ton unit contained manganese)	4.10	4.15	4.20

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

<sup>2</sup>CRU 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.

<sup>3</sup>CRU Group, cost, insurance, and freight, China. Average prices are the average of the month high and low range.

<sup>4</sup>To 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 manganese.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons. Source: U.S. Census Bureau].

Period	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2023						
January	31,700	85,100	117,000	28	551	579
2024						
January	52,900	58,800	112,000	45	869	914

**Table 3.** U.S. imports for consumption of silicomanganese in January 2024.

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

Includes Harmonized Tariff Schedule of the United States code 7202.30.0000. Data are in metric tons and dollars. Source: U.S. Census Bureau].

Country or locality	Gross weight	Mn content	Value
Georgia	17,900	12,500	17,700,000
India	1,050	670	1,110,000
Malaysia	5,110	3,400	4,390,000
Mexico	588	379	667,000
Norway	1,180	862	1,750,000
South Africa	6,500	4,230	6,050,000
Zambia	200	131	170,000
<b>Total</b>	<b>32,500</b>	<b>22,100</b>	<b>31,800,000</b>

**Table 4.** U.S. imports for consumption of ferromanganese in January 2024.  
[Data rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons and dollars. Source: U.S. Census Bureau].

Product, country or locality, and HTS <sup>1</sup> code	Gross weight	Mn content	Value
Low carbon, less than 1% C (7202.19.1000)			
India	166	133	237,000
Japan	80	65	115,000
Norway	3,700	2,990	4,970,000
South Africa	90	83	173,000
<b>Total</b>	4,040	3,270	5,490,000
Medium carbon, 1%–2% C (7202.19.5000)			
India	201	158	242,000
Norway	579	466	693,000
<b>Total</b>	781	624	935,000
High carbon, over 4% C (7202.11.5000)			
France	38	27	30,200
India	1,940	1,440	1,690,000
Malaysia	13,700	10,500	14,100,000
<b>Total</b>	15,700	12,000	15,800,000
<b>Grand total</b>	20,500	15,800	22,200,000

<sup>1</sup>Harmonized Tariff Schedule of the United States.

**Table 5.** U.S. imports for consumption of manganese ore (20% or more Mn) in January 2024.  
 [Data rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons and dollars. Source: U.S. Census Bureau].

<b>Product, country or locality, and HTS<sup>1</sup> code</b>	<b>Gross weight</b>	<b>Mn content</b>	<b>Value</b>
More than 20%, but less than 47% manganese (2602.00.0040)			
South Africa	52,100	21,600	6,180,000
47% or more manganese (2602.00.0060)			
South Africa	86	43	25,900
<b>Total</b>	52,200	21,600	6,210,000

<sup>1</sup>Harmonized Tariff Schedule of the United States.

**Table 6.** U.S. imports for consumption of manganese dioxide in January 2024.

[Data rounded to no more than three significant digits; may not add to totals shown. Includes Harmonized Tariff Schedule of the United States code 2820.10.0000. Data are in metric tons and dollars. Source: U.S. Census Bureau].

Country or locality	Gross weight	Value
Colombia	338	797,000
Greece	297	755,000
Japan	19	43,300
Mexico	5	8,890
Spain	1	2,940
<b>Total</b>	659	1,610,000

**Table 7.** U.S. imports for consumption of manganese metal in January 2024.  
[Data rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons and dollars. Source: U.S. Census Bureau].

<b>Product, country or locality, and HTS<sup>1</sup> code</b>	<b>Gross weight</b>	<b>Value</b>
<b>Unwrought flake (8111.00.4700)</b>		
China	1,290	2,260,000
Japan	8	261,000
Mexico	14	77,700
South Africa	315	673,000
<b>Total</b>	1,620	3,270,000
<b>Unwrought powder (8111.00.4910)</b>		
China	38	63,800
South Africa	161	645,000
<b>Total</b>	199	709,000
<b>Unwrought, other (8111.00.4990)</b>		
China	3,780	6,990,000
Poland	( <sup>2</sup> )	3,200
South Africa	95	147,000
<b>Total</b>	3,880	7,140,000
<b>Other manganese, wrought (8111.00.6000)</b>		
Germany	( <sup>2</sup> )	6,570
Japan	( <sup>2</sup> )	43,500
Mexico	24	106,000
<b>Total</b>	25	156,000
<b>Grand total</b>	5,730	11,300,000

<sup>1</sup>Harmonized Tariff Schedule of the United States.

<sup>2</sup>Less than ½ unit.



**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 2024.

[Data rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons and dollars. Source: U.S. Census Bureau].

<b>Product, country or locality, and Schedule B number</b>	<b>Gross weight</b>	<b>Value</b>
Ore and concentrates with 20% or more manganese (2602.00.0000)		
Korea, Republic of, total	45	42,100
Ferromanganese 2% or less carbon (7202.19.0000)		
Canada	193	353,000
Mexico	12	34,300
<b>Total</b>	204	387,000
Ferrosilicon manganese (7202.30.0000)		
Canada	504	626,000
Metal, including alloys and waste and scrap (8111.00.0000) <sup>1</sup>		
Canada	14	210,000
India	87	42,200
Japan	1	18,700
Mexico	9	18,200
Netherlands	50	596,000
<b>Total</b>	160	885,000
<b>Grand total</b>	914	1,940,000

<sup>1</sup>Includes manganese-aluminum, other alloys, and waste and scrap.

**Table 9.** U.S. foreign trade in selected manganese chemicals in January 2024.

[Data are rounded to no more than three significant digits. Source: U.S. Census Bureau].

Compound	HTS <sup>1</sup> code or Schedule B number <sup>2</sup>	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations, gross weight and value
Imports for consumption				
Manganese dioxide	2820.10.0000	659	1,610	Colombia 338; \$797.
Manganese oxides other than dioxide	2820.90.0000	1,650	1,150	Gabon 606; \$349.
Potassium permanganate	2841.61.0000	36	89	India (all).
Sodium permanganate	2841.69.0010	250	580	India 212; \$501.
Other sulfates, including manganese sulfate	2833.29.5100	5,440	4,060	India 2,250; \$1,150.
Exports				
Manganese dioxide	2820.10.0000	446	450	Canada 382; \$269.
Manganese oxides other than dioxide	2820.90.0000	282	590	Canada 81; \$85.
Manganites, manganates, and other permanganates	2841.69.0090	10	87	Canada 9; \$54.
Potassium permanganate	2841.61.0000	138	542	Belgium 108; \$359.
Sodium permanganate	2841.69.0010	( <sup>3</sup> )	54	Mexico (all).
Other sulfates, including manganese sulfate	2833.29.9100	1,140	3,430	Canada 689; \$1,480.

<sup>1</sup>Harmonized Tariff Schedule of the United States.<sup>2</sup>Imports for consumption are represented by HTS codes. Exports are represented by Schedule B codes.<sup>3</sup>Less than ½ unit.