

Mineral Industry Surveys

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MANGANESE IN FEBRUARY 2025

On a gross-weight basis, U.S. imports of manganese ore in February 2025 were 29,800 metric tons (t), 6% more than those in January 2025 (fig. 1, table 5). In February 2025, the sole source for imports of manganese ore for >20%–<47% grade was South Africa, and the leading source for >47% grade was Gabon (table 6).

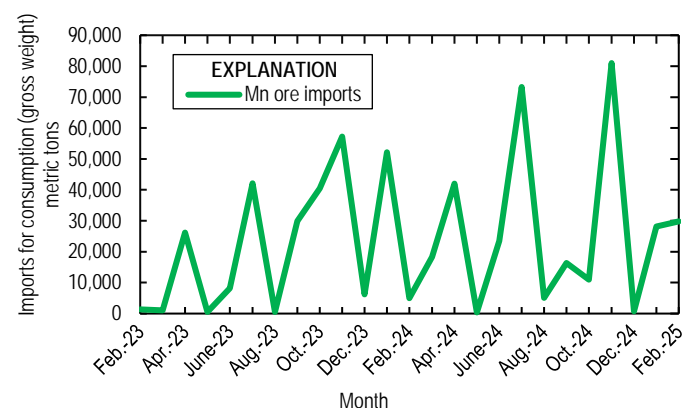


Figure 1. Monthly imports of manganese (Mn) ore from February 2023 through February 2025. Source: U.S. Census Bureau.

Prices

In February 2025, average spot prices of manganese ore deliveries to China were \$4.38 per metric ton unit of contained manganese, 36%–38% grade, and \$4.70 per metric ton unit of contained manganese, 44% grade, 9% more and 11% more than in January 2025, respectively. Compared with the monthly average values in February 2024, the 36%–38% grade price was 16% more and the 44% grade price was 9% more (fig. 2, table 1).

Industry News

Firebird Metals Ltd. (Australia) signed a non-binding memorandum of understanding with Eramet (France) for the supply of manganese ore from Eramet's Moanda mines in Gabon to Firebird's manganese sulfate plant located in Jinshi, Hunan Province, China. The company was expected to produce

battery-grade manganese at the proposed plant for electric vehicle batteries (Firebird Metals Ltd., 2025).

Electric Metals USA Ltd. (Canada) announced the results of Preliminary Economic Assessment (PEA) for the Emily Manganese Project in Minnesota. Following the completion of the PEA, Electric Metals planned to conduct a pre-feasibility study to check economic viability and mine development strategy for producing high-purity manganese sulfate monohydrate. The PEA confirmed an inferred resource of 4,900 t of manganese with 17.5% grade (Electric Metals USA Ltd., 2025).

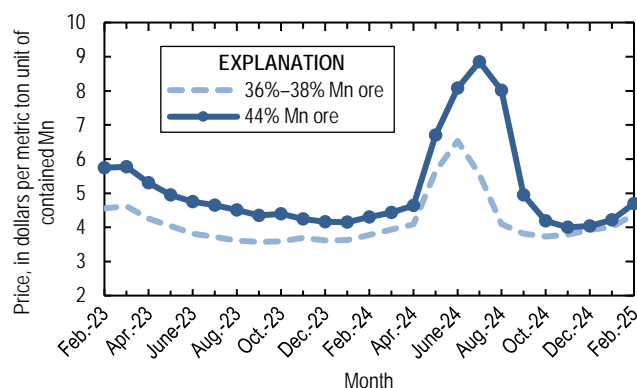


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from February 2023 through February 2025. Source: CRU Group.

References Cited

- Electric Metals USA Ltd., 2025, Electric Metals advances the Emily Manganese Project in Minnesota with high recovery underground mining approach: Toronto, Ontario, Canada, Electric Metals USA Ltd. press release, February 27. (Accessed April 11, 2025, at <https://electricmetals.com/news-releases/electric-metals-advances-the-emily-manganese-project-in-minnesota-with-high-recovery-underground-mining-approach/>.)
- Firebird Metals Ltd., 2025, Firebird signs non-binding MOU with Eramet regarding manganese ore supply for China operations: Peppermint Grove, Western Australia, Australia, Firebird Metals Ltd. press release, February 10. (Accessed April 11, 2025, at <https://api.investi.com.au/api/announcements/frb/c1cc1c0e-c09.pdf>.)

A worksheet has been added to the Excel table files that includes a button to remove text and numerical footnotes from data cells. This will allow users to only have numbers in data cells. Please see the worksheet titled RemoveTextButton for instructions in how to use the tool. Note: you must download the excel file in order to use the tool.

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Table 1. Prices for manganese ferroalloys, metal, and ore in February 2025.

Product	Low	Average	High
Manganese ferroalloys¹			
High-carbon ferromanganese, 76% manganese (dollars per long ton of contained manganese)	1,130.00	1,173.75	1,217.50
Medium-carbon ferromanganese, 85% manganese (cents per pound of contained manganese)	117.00	118.50	120.00
Silicomanganese, 65% manganese (cents per pound of contained manganese)	61.75	62.38	63.00
Metal²			
Manganese metal, 99.7% manganese flake (cents per pound)	110.00	123.75	135.00
Manganese ore^{3,4}			
36%–38% manganese (dollars per metric ton unit of contained manganese)	4.25	4.38	4.50
44% manganese (dollars per metric ton unit contained manganese)	4.30	4.70	4.90

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 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 (<https://usatrade.census.gov/>).]

Period	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2024						
February	5,110	37,200	42,300	41	932	973
January-February	58,000	95,900	154,000	87	1,800	1,890
2025						
January	28,700	77,500	106,000	19	2,440	2,460
February	30,100	86,800	117,000	207	1,490	1,700
January-February	58,800	164,000	223,000	226	3,940	4,160

Table 3. U.S. imports for consumption of silicomanganese in February 2025.

[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 (<https://usatrade.census.gov/>).]

Country or locality	Gross weight	Mn content	Value	January-February ¹		
				Gross weight	Mn content	Value
Angola	450	296	441	450	296	441
Australia	5,410	3,550	6,220	12,900	8,470	15,200
Georgia	9,050	6,340	11,400	10,300	7,260	13,000
India	289	170	412	994	582	1,350
Malaysia	10,900	7,210	11,300	14,700	9,690	15,400
Mexico	1,330	857	1,290	10,800	7,030	10,900
Norway	23	14	64	100	62	255
South Africa	20,800	13,500	22,900	20,900	13,600	23,000
Spain	1,610	1,060	1,930	1,610	1,060	1,930
Total	49,900	33,000	56,000	72,800	48,000	81,500

¹May include revisions to previously published data.

Table 4. U.S. imports for consumption of ferromanganese in February 2025.

[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 (<https://usatrade.census.gov/>).]

Product, country or locality, and HTS ² code	Gross weight	Mn content	Value	January-February ¹		
				Gross weight	Mn content	Value
Low carbon, less than 1% C (7202.19.1000)						
India	216	173	373,000	4,640	3,710	8,110,000
Japan	40	32	58,000	154	124	238,000
Norway	10,200	8,310	15,500,000	10,200	8,310	15,500,000
South Africa	144	128	295,000	229	206	491,000
Vietnam	45	41	103,000	45	41	103,000
Total	10,700	8,690	16,300,000	15,300	12,400	24,400,000
Medium carbon, 1%–2% C (7202.19.5000)						
India	378	305	539,000	2,460	1,970	3,590,000
Mexico	20	15	49,900	20	15	49,900
Norway	54	42	136,000	259	199	547,000
South Africa	10,500	8,450	14,700,000	12,500	10,000	18,300,000
Total	11,000	8,810	15,500,000	15,200	12,200	22,500,000
High carbon, over 4% C (7202.11.5000)						
Australia	9,110	7,050	7,940,000	9,110	7,050	7,940,000
Brazil	50	38	52,000	77	58	80,100
Canada	0	0	0	20	1	21,800
France	75	54	63,400	102	74	93,400
India	2,160	1,590	2,010,000	25,000	18,900	22,700,000
Malaysia	0	0	0	18,600	14,100	22,500,000
South Africa	38	29	38,700	112	85	121,000
Total	11,400	8,760	10,100,000	53,000	40,300	53,400,000
Grand total	33,100	26,300	41,900,000	83,600	64,900	100,000,000

¹May include revisions to previously published data.

²Harmonized Tariff Schedule of the United States.

Table 5. U.S. imports for consumption of manganese ore (20% or more Mn) in February 2025.

[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 (<https://usatrade.census.gov/>).]

Product, country or locality, and HTS ² code	Gross weight	Mn content	Value	January-February ¹		
				Gross weight	Mn content	Value
More than 20%, but less than 47% manganese (2602.00.0040)						
Mexico	0	0	0	26,700	3,690	4,280,000
South Africa	52	22	14,300	900	384	270,000
Total	52	22	14,300	27,600	4,080	4,550,000
47% or more manganese (2602.00.0060)						
Brazil	0	0	0	54	26	88,000
France	17	14	25,200	17	14	25,200
Gabon	29,700	15,400	8,510,000	29,700	15,400	8,510,000
South Africa	0	0	0	535	280	183,000
Total	29,700	15,400	8,530,000	30,300	15,700	8,800,000
Grand total	29,800	15,400	8,550,000	57,900	19,800	13,400,000

¹May include revisions to previously published data.

²Harmonized Tariff Schedule of the United States.

Table 6. U.S. imports for consumption of manganese dioxide in February 2025.

[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 (<https://usatrade.census.gov/>).]

Country or locality	Gross weight	Value	January-February ¹	
			Gross weight	Value
Brazil	18	24,300	36	44,200
China	0	0	2	3,100
Colombia	244	575,000	694	1,770,000
Germany	1	9,680	12	28,500
India	0	0	12	19,700
Japan	36	76,000	108	228,000
Mexico	0	0	10	17,300
Spain	0	0	(²)	2,630
Total	299	685,000	874	2,110,000

¹May include revisions to previously published data.

²Less than ½ unit.

Table 7. U.S. imports for consumption of manganese metal in February 2025.

[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 (<https://usatrade.census.gov/>).]

Donors: Source: U.S. Census Bureau (<https://asadata.census.gov/>).

Product, country or locality, and HTS ² code	Gross weight	Value	January-February ¹	
			Gross weight	Value
Unwrought flake (8111.00.4700)				
China	578	1,150,000	1,510	2,800,000
Hong Kong	0	0	4	6,720
Indonesia	50	104,000	150	291,000
Japan	(³)	401,000	1	1,100,000
Mexico	2	13,300	28	153,000
South Africa	162	476,000	271	774,000
Total	793	2,150,000	1,970	5,130,000
Unwrought powder (8111.00.4910)				
China	40	133,000	64	207,000
Mexico	0	0	2	9,070
South Africa	27	79,400	65	141,000
Total	67	213,000	131	357,000
Unwrought, other (8111.00.4990)				
Brazil	10	24,400	10	24,400
China	2,760	6,530,000	5,480	11,300,000
Germany	12	26,900	35	72,100
South Africa	0	0	164	507,000
Total	2,790	6,580,000	5,690	11,900,000
Other manganese, wrought (8111.00.6000)				
Germany	14	288,000	17	359,000
Mexico	25	78,400	72	249,000
Sweden	(³)	2,670	(³)	2,670
Total	39	369,000	89	610,000
Metallic waste and scrap (8111.00.3000)				
China	96	162,000	96	162,000
United Kingdom	4	8,510	4	8,510
Total	100	170,000	100	170,000
Grand total	3,790	9,480,000	7,980	18,100,000

¹May include revisions to previously published data.

²Harmonized Tariff Schedule of the United States.

³Less 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 February 2025.

[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 (<https://usatrade.census.gov/>).]

Product, country or locality, and Schedule B number	Gross weight	Value	January-February ¹	
			Gross weight	Value
Ore and concentrates with 20% or more manganese (2602.00.0000)				
Canada	0	0	10	41,800
Korea, Republic of	190	94,400	198	139,000
Netherlands	18	81,600	18	81,600
Total	207	176,000	226	262,000
Ferromanganese 2% or less carbon (7202.19.0000)				
Bulgaria	81	158,000	81	158,000
Canada	491	862,000	765	1,350,000
France	5	9,910	11	19,600
Mexico	3	10,100	3	10,100
Total	581	1,040,000	860	1,530,000
Ferromanganese more than 2% carbon (7202.11.0000)				
Canada	36	71,700	69	151,000
Japan	0	0	52	124,000
Mexico	5	25,200	5	25,200
Philippines	(²)	3,870	(²)	3,870
Total	41	101,000	126	303,000
Ferrosilicon manganese (7202.30.0000)				
Canada	758	1,150,000	2,720	4,150,000
Metal, including alloys and waste and scrap (8111.00.0000) ^{3,4}				
Brazil	13	6,790	13	16,400
Canada	38	121,000	61	197,000
China	9	254,000	13	317,000
Denmark	5	2,860	5	2,860
France	0	0	1	74,700
Japan	0	0	1	35,400
Korea, South	1	45,100	1	45,100
Malaysia	78	33,100	249	106,000
Mexico	6	91,900	12	117,000
Romania	3	54,300	3	54,300
Other [3 countries and (or) localities]	1	14,800	2	46,800
Total	155	624,000	362	1,010,000
Grand total	1,740	3,090,000	4,290	7,260,000

¹May include revisions to previously published data.

²Less than ½ unit.

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

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

Table 9. U.S. foreign trade in selected manganese chemicals in February 2025.

[Data are rounded to no more than three significant digits. —, not applicable. Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Compound	HTS ² code or Schedule B number ³	Gross weight (metric tons)	Value (thousand dollars)	Principal sources and destinations, gross weight and value	January-February ¹		
					Gross weight (metric tons)	Value (thousand dollars)	Principal sources and destinations, gross weight and value
Imports for consumption							
Manganese dioxide	2820.10.0000	299	685	Colombia 244; \$575.	874	2,110	Colombia 694; \$1,770.
Manganese oxides other than dioxide	2820.90.0000	1,040	870	South Africa 379; \$238.	4,020	2,900	South Africa 1,480; \$662.
Potassium permanganate	2841.61.0000	54	100	India 18; \$39.	215	443	India 144; \$317.
Sodium permanganate	2841.69.0010	62	134	India (all).	816	1,570	China 473; \$828.
Other sulfates, including manganese sulfate	2833.29.5110	3,420	2,740	Mexico 1,770; \$1,680.	7,960	5,540	Mexico 2,790; \$2,650.
Exports							
Manganese dioxide	2820.10.0000	729	846	Canada 420; \$286.	1,530	1,860	Canada 933; \$625.
Manganese oxides other than dioxide	2820.90.0000	412	682	United Arab Emirates 95; \$136.	691	1,270	United Arab Emirates 190; \$272.
Manganites, manganates, and other permanganates	2841.69.0090	2	45	Canada 1; \$4.	4	98	Canada 2; \$11.
Potassium permanganate	2841.61.0000	163	748	Belgium 144; \$645.	424	1,850	Belgium 378; \$1,601.
Sodium permanganate	2841.69.0010	0	0	—	57	209	Belgium (all).
Other sulfates, including manganese sulfate	2833.29.9100	1,590	2,360	Canada 1,180; \$708.	2,580	4,360	Canada 1,890; \$1,270.

¹May include revisions to previously published data.²Harmonized Tariff Schedule of the United States.³Imports for consumption are represented by HTS codes. Exports are represented by Schedule B codes.