

Mineral Industry Surveys

For information, contact:

Emily K. Schnebele, Acting Manganese Commodity Specialist
 National Minerals Information Center
 Telephone: (703) 648-4945
 Email: eschnebele@usgs.gov

Benjamin N. Bryden (Data)
 Telephone: (703) 648-7953
 Email: bbryden@usgs.gov

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

MANGANESE IN FEBRUARY 2022

On a gross-weight basis, U.S. imports of manganese ore in February 2022 were 46,300 metric tons (t), 28% less than the amount in January 2022 (fig. 1, table 5). The leading source of manganese ore, >20% – <47% grade, was Mexico and the leading source for >47% grade was Gabon. Total imports of manganese ore for the first two months of 2022 were more than double those during the same period in 2021.

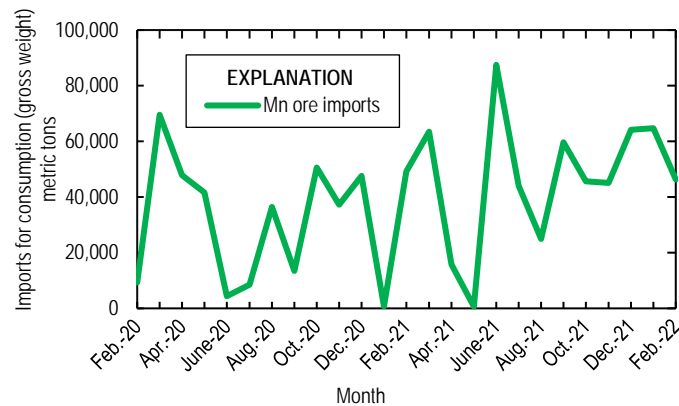


Figure 1. Monthly imports of manganese (Mn) ore from February 2020 through February 2022. Source: U.S. Census Bureau.

Prices

In February 2022, the average spot prices for manganese ore deliveries to China were \$4.59 per metric ton unit, 36%–38% grade, and \$5.57 per metric ton unit, 44% grade, essentially unchanged and slightly more, respectively, than the January

2022 prices (fig. 2, table 1). Compared with the monthly average prices in February 2021, the 36%–38%-grade price was 4% less, and the 44%-grade price was 8% more.

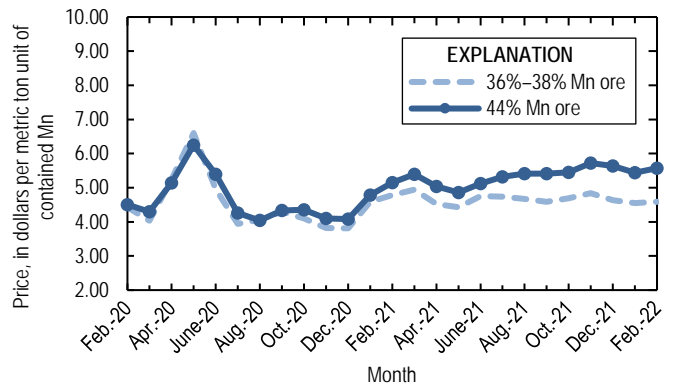


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from February 2020 through February 2022. Source: CRU Group.

List services and web feed subscribers are the first to receive notification of USGS minerals information publications and data releases. For information on how to subscribe, go to <https://www.usgs.gov/centers/national-minerals-information-center/minerals-information-publication-list-services>.

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

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	2,487.50	2,525.00	2,562.50
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 flake ²	cents per pound	455.00	461.13	470.00
Manganese ore:^{3,4}				
36%–38% manganese	dollars per metric ton unit contained manganese	4.50	4.59	4.73
44% manganese	do.	5.35	5.57	5.95

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)

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2021:						
February	49,400	71,300	121,000	77	1,250 ^r	1,330 ^r
January–February	50,400	95,800	146,000	159	2,600 ^r	2,760 ^r
2022:						
January	66,100	48,200	114,000	41	190	231
February	46,600	93,900	140,000	86	407	493
January–February	113,000	142,000	255,000	126	598	724

^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 FEBRUARY 2022^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–February ³		
				Gross weight	Mn content	Value
Australia	5,400	3,560	\$13,800,000	12,900	8,500	\$32,100,000
Georgia	15,600	11,400	34,600,000	16,900	12,300	36,800,000
India	10,300	6,680	15,700,000	10,300	6,680	15,700,000
Malaysia	478	316	967,000	7,200	4,700	12,900,000
Mexico	1,790	1,150	2,550,000	4,710	3,020	6,840,000
Norway	40	25	144,000	3,000	1,960	7,420,000
Russia	--	--	--	8,250	1,510	18,800,000
Slovakia	30	20	56,300	30	20	56,300
South Africa	15,600	10,100	17,200,000	15,600	10,100	17,200,000
Total	49,300	33,300	84,900,000	78,900	48,800	148,000,000

-- Zero.

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.

³May include revisions to previously published data.

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–February ²		
					Gross weight	Mn content	Value
Low carbon, less than 1% C:	7202.19.1000						
Canada		--	--	--	3	3	\$5,790
China		20	16	\$47,300	20	16	47,300
Japan		132	107	422,000	252	203	880,000
Mexico		--	--	--	58	47	77,600
Norway		350	284	633,000	4,510	3,660	13,700,000
South Africa		--	--	--	19	16	31,600
Total		502	407	1,100,000	4,860	3,950	14,700,000
Medium carbon, 1%–2% C:	7202.19.5000						
Korea, Republic of		--	--	--	2,800	2,240	6,790,000
Mexico		343	265	1,090,000	603	465	1,750,000
South Africa		1,300	1,050	3,860,000	3,250	2,590	8,880,000
Total		1,640	1,310	4,950,000	6,650	5,300	17,400,000
High carbon, over 4% C:	7202.11.5000						
Australia		11,700	8,950	26,000,000	11,700	8,950	26,000,000
Brazil		20	14	59,900	116	84	220,000
India		10,200	7,810	17,800,000	10,900	8,310	18,600,000
Korea, Republic of		--	--	--	700	532	1,310,000
Malaysia		9,100	6,850	17,000,000	14,300	10,800	26,300,000
Russia		7,750	5,890	15,600,000	7,750	5,890	15,600,000
South Africa		653	501	1,380,000	1,420	1,090	2,900,000
Zambia		425	327	653,000	425	327	653,000
Total		39,900	30,300	78,400,000	47,400	36,000	91,600,000
Grand total		42,000	32,100	84,500,000	58,900	45,300	124,000,000

-- Zero.

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

²May include revisions to previously published data.

³Harmonized 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 FEBRUARY 2022¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–February ²		
					Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:							
Mexico	2602.00.0040	1,530	551	\$280,000	12,600	4,700	\$2,100,000
South Africa		(4)	(4)	8,130	45,900	18,400	6,900,000
Total		1,530	551	288,000	58,500	23,100	9,000,000
47% or more manganese:							
Gabon	2602.00.0060	44,700	25,900	10,500,000	52,000	32,400	11,700,000
Mexico		--	--	--	57	39	56,900
Netherlands		--	--	--	16	9	19,000
South Africa		19	9	11,400	319	154	125,000
Total		44,700	25,900	10,500,000	52,400	32,600	11,900,000
Grand total		46,300	26,500	10,800,000	111,000	55,800	20,900,000

-- Zero.

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

²May include revisions to previously published data.

³Harmonized Tariff Schedule of the United States.

⁴Less than ½ unit.

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January-February ³	
			Gross weight	Value
Brazil	11	\$18,000	46	\$58,200
Germany	3	19,600	5	28,400
Greece	--	--	297	744,000
Japan	328	883,000	1,360	3,510,000
Mexico	--	--	15	26,000
Spain	--	--	21	35,000
Total	342	921,000	1,740	4,400,000

-- Zero.

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.

³May include revisions to previously published data.

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–February ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		948	\$6,570,000	1,180	\$7,540,000
Japan		(4)	472,000	1	957,000
Mexico		1	15,700	1	15,700
South Africa		214	779,000	610	3,760,000
Total		1,160	7,830,000	1,790	12,300,000
Unwrought powder:	8111.00.4910				
China		14	21,300	29	72,800
Mexico		--	--	20	69,900
South Africa		100	764,000	274	1,770,000
Total		114	786,000	324	1,910,000
Unwrought, other:	8111.00.4990				
China		1,060	3,440,000	1,540	4,790,000
Germany		134	661,000	230	997,000
South Africa		81	455,000	183	963,000
Total		1,270	4,560,000	1,960	6,750,000
Other manganese, wrought:	8111.00.6000				
China		--	--	3	36,400
Germany		--	--	3	44,100
Japan		(4)	2,470	(4)	2,470
Sweden		12	207,000	15	261,000
Total		12	210,000	21	344,000
Metallic waste and scrap, Japan	8111.00.3000	(4)	7,000	(4)	7,000
Grand total		2,560	13,400,000	4,100	21,300,000

-- Zero.

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

²May include revisions to previously published data.

³Harmonized Tariff Schedule of the United States.

⁴Less 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 FEBRUARY 2022¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–February ²	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Canada		61	\$51,500	102	\$92,700
Mexico		19	7,330	19	7,330
United Kingdom		6	2,610	6	2,610
Total		86	61,400	126	103,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Canada		98	255,000	98	255,000
Mexico		15	28,400	21	39,200
Total		113	284,000	119	295,000
More than 2% carbon:	7202.11.0000				
Canada		1	2,760	21	54,900
Costa Rica		1	3,310	1	3,310
Mexico		41	186,000	41	186,000
Total		42	192,000	62	244,000
Ferrosilicon manganese, Canada	7202.30.0000	245	528,000	245	528,000
Metal, including alloys and waste and scrap:^{4,5}	8111.00.0000				
Canada		--	--	35	71,000
China		18	282,000	50	1,060,000
Costa Rica		(6)	17,700	(6)	17,700
France		(6)	6,300	14	53,400
Germany		(6)	4,920	5	24,200
Japan		20	140,000	25	160,000
Malaysia		--	--	82	44,300
Mexico		2	65,800	15	152,000
Norway		8	405,000	8	405,000
Taiwan		(6)	2,780	(6)	2,780
Other [1 country and (or) locality]		--	--	(6)	3,530
Total		49	924,000	234	1,990,000
Grand total		536	1,990,000	786	3,160,000

-- Zero.

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

²May include revisions to previously published data.

³Harmonized Tariff Schedule of the United States.

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

⁵Includes manganese-aluminum, other alloys, and waste and scrap.

⁶Less than ½ unit.

Source: U.S. Census Bureau.

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

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–February ²		
					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	535	\$554	Mexico 360; \$299.	2,430	\$2,330	South Africa 854; \$721.
Potassium permanganate	2841.61.0000	91	239	India (all).	127	337	India (all).
Sodium permanganate	2841.69.0010	139	362	India 81; \$197.	267	677	India 209; \$511.
Other sulfates, including manganese sulfate	2833.29.5100	3,130	3,280	Mexico 1,750; \$1,330.	8,290	7,620	Mexico 3,690; \$2,810.
Exports:							
Manganese dioxide	2820.10.0000	497	541	Canada 398; \$324.	1,070	1,180	Canada 772; \$628.
Manganese oxides other than dioxide	2820.90.0000	328	638	Canada 177; \$184.	708	1,650	Canada 229; \$249.
Manganites, manganates, and other permanganates	2841.69.0090	1	8	Costa Rica (all).	32	72	Canada 31; \$64.
Potassium permanganate	2841.61.0000	369	1,130	Belgium 261, \$729.	617	1,830	Belgium 443, \$1,180.
Sodium permanganate	2841.69.0010	95	280	Belgium (all).	173	468	Belgium 153, \$423.
Other sulfates, including manganese sulfate	2833.29.9100	1,560	3,220	Canada 1,220; \$1,740.	3,000	5,450	Canada 2,270; \$2,400.

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

²May include revisions to previously published data.

³Harmonized Tariff Schedule of the United States.

Source: U.S. Census Bureau.