



Mineral Industry Surveys

For information, contact:

Emily K. Schnebele, Acting Manganese Commodity Specialist
National Minerals Information Center
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-4945, Fax: (703) 648-7757
Email: eschnebele@usgs.gov

Benjamin N. Bryden (Data)
Telephone: (703) 648-7953
Fax: (703) 648-7975
Email: bbryden@usgs.gov

Internet: <https://www.usgs.gov/centers/nmic>

MANGANESE IN JULY 2021

On a gross-weight basis, U.S. imports of manganese ore in July 2021 were 44,000 metric tons (t), about half of that in June 2021 (fig. 1, table 5). The leading source of manganese ore in July 2021, for both the “more than 20%, but less than 47% manganese” and “47% or more manganese” trade categories, was Gabon. Imports for the first 7 months of 2021 were 44% more than those during the same period in 2020.

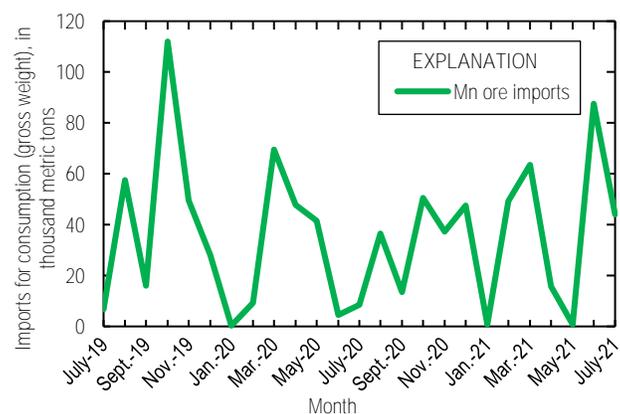


Figure 1. Monthly imports of manganese (Mn) ore from July 2019 through July 2021. Source: U.S. Census Bureau.

Prices

In July 2021, the average spot prices for manganese ore deliveries to China were \$4.74 per metric ton unit, 36%–38% grade, and \$5.32 per metric ton unit, 44% grade, essentially unchanged and 4% more, respectively, than the June 2021 prices

(fig. 2, table 1). Compared with the monthly average prices in July 2020, the 36%–38%-grade price was 20% more and the 44%-grade price was 25% more.

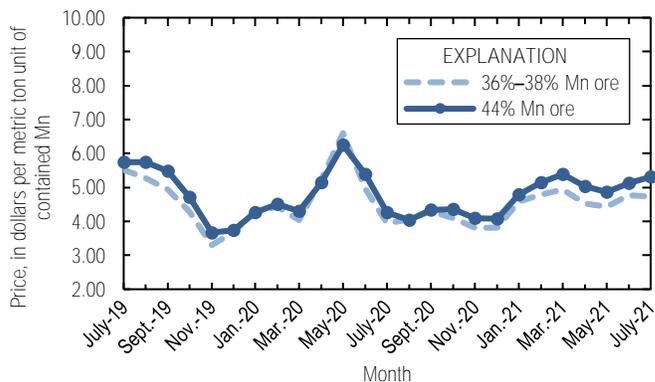


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from July 2019 through July 2021. Source: CRU Group.

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/nmic/minerals-information-publication-list-services>.

TABLE 1
PRICES FOR MANGANESE FERROALLOYS, METAL, AND ORE IN JULY 2021

		Low	Average	High
Manganese ferroalloys: ¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	1,952.50	1,978.75	2,005.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	153.50	154.88	156.25
Silicomanganese, 65% manganese	do.	85.50	86.25	87.00
Manganese metal, 99.7% manganese flake ²	cents per pound	173.00	181.33	210.00
Manganese ore: ^{3,4}				
36%-38% manganese	dollars per metric ton unit contained manganese	4.70	4.74	4.80
44% manganese	do.	5.10	5.32	5.45

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
2020:						
July	8,680 ^r	7,870 ^r	16,600 ^r	77 ^r	1,980 ^r	2,060 ^r
January–July	185,000 ^r	320,000 ^r	505,000 ^r	586 ^r	7,010 ^r	7,590 ^r
2021:						
January	989	24,600	25,500	83	2,930	3,020
February	49,400	71,300	121,000	77	2,670	2,740
March	64,200	65,800	130,000	50	1,940	1,990
April	16,700	22,800	39,500	52	1,260	1,310
May	1,000	58,600	59,600	412	1,650	2,060
June	88,800	74,800	164,000	68	1,690	1,760
July	44,300	32,200	76,500	87	1,590	1,670
January–July	265,000	350,000	615,000	829	13,700	14,600

^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 JULY 2021^{1,2,3}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–July ⁴		
				Gross weight	Mn content	Value
Australia	--	--	--	29,600	19,500	\$37,100,000
Brazil	--	--	--	913	603	983,000
Georgia	9,780	7,180	\$11,500,000	38,300	28,200	42,000,000
India	--	--	--	250	138	360,000
Malaysia	718	471	747,000	15,600	10,300	16,900,000
Mexico	306	196	329,000	3,210	2,070	3,620,000
Norway	2,130	1,400	3,330,000	14,600	9,090	19,700,000
Russia	--	--	--	2,690	469	3,370,000
South Africa	7,790	5,040	8,570,000	42,900	27,800	41,900,000
Spain	314	187	463,000	314	187	463,000
Other [1 country or locality]	--	--	--	20	13	25,400
Total	21,000	14,500	24,900,000	148,000	98,300	166,000,000

-- 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.

³Presentation of monthly data is based on the January–July quantities (gross weight) of the leading countries.

⁴May include revisions to previously published data.

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JULY 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–July ²		
					Gross weight	Mn content	Value
Low carbon, less than 1% C:	7202.19.1000						
Canada		--	--	--	2	2	\$3,260
India		--	--	--	1	1	2,400
Japan		188	152	\$340,000	600	483	951,000
Norway		--	--	--	20,200	16,500	31,900,000
South Africa		19	17	34,000	381	338	588,000
Total		207	169	374,000	21,200	17,300	33,400,000
Medium carbon, 1%–2% C:	7202.19.5000						
Australia		--	--	--	9,510	7,240	13,400,000
India		--	--	--	756	575	752,000
Japan		--	--	--	96	77	149,000
Korea, Republic of		2,500	2,000	4,420,000	11,200	9,010	18,200,000
Mexico		157	119	312,000	897	675	1,450,000
Norway		--	--	--	3,200	2,620	4,290,000
South Africa		2,630	2,100	4,790,000	15,800	12,700	25,100,000
Total		5,290	4,220	9,520,000	41,500	32,900	63,400,000
High carbon, over 4% C: ⁴	7202.11.5000						
Australia		--	--	--	21,100	16,100	26,000,000
France		--	--	--	735	567	1,100,000
India		829	627	1,070,000	19,000	14,100	20,700,000
Korea, Republic of		1,500	1,140	1,970,000	10,500	8,120	12,900,000
Malaysia		21	13	34,900	40,000	30,400	34,900,000
Norway		--	--	--	500	395	371,000
Russia		--	--	--	6,250	3,890	6,860,000
South Africa		1,450	1,110	1,950,000	15,900	12,100	17,400,000
Switzerland		--	--	--	2,310	1,760	2,170,000
Zambia		--	--	--	650	500	744,000
Other [3 countries and (or) localities]		20	12	41,700	409	295	439,000
Total		3,820	2,900	5,070,000	117,000	88,200	124,000,000
Grand total		9,320	7,290	15,000,000	180,000	138,000	220,000,000

-- 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.

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

Source: U.S. Census Bureau.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn) IN JULY 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–July ²		
					Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:	2602.00.0040						
Gabon		4,500	2,070	\$1,320,000	4,500	2,070	\$1,320,000
Mexico		--	--	--	23,200	8,930	3,730,000
South Africa		645	301	163,000	60,800	24,600	9,010,000
Total		5,150	2,370	1,480,000	88,500	35,600	14,100,000
47% or more manganese:	2602.00.0060						
Brazil		--	--	--	120	61	53,000
France		--	--	--	1	1	2,020,000
Gabon		38,400	20,000	7,750,000	166,000	89,400	32,900,000
Morocco		96	48	40,500	1,730	954	761,000
South Africa		400	194	152,000	5,100	2,530	1,400,000
Total		38,800	20,200	7,940,000	173,000	92,900	37,200,000
Grand total		44,000	22,600	9,430,000	261,000	128,000	51,200,000

-- 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 6
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE IN JULY 2021^{1, 2, 3}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–July ⁴	
			Gross weight	Value
Belgium	--	--	37	\$144,000
Brazil	35	\$40,200	135	160,000
Canada	--	--	26	41,300
China	1	3,320	38	156,000
Greece	132	293,000	1,700	3,780,000
Japan	78	174,000	1,760	3,900,000
Mexico	10	17,800	52	89,000
Morocco	--	--	19	23,900
South Africa	--	--	285	659,000
Spain	77	185,000	122	260,000
Other [2 countries and (or) localities]	8	31,400	28	114,000
Total	341	745,000	4,200	9,330,000

-- 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.

³Presentation of monthly data is based on the January–July quantities (gross weight) of the leading countries.

⁴May include revisions to previously published data.

Source: U.S. Census Bureau.

TABLE 7
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN JULY 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–July ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		41	\$124,000	2,500	\$4,170,000
Gabon		4	9,700	4	9,700
Japan		(4)	285,000	2	1,710,000
Mexico		17	61,400	23	80,600
South Africa		186	414,000	2,660	6,060,000
Total		248	894,000	5,190	12,000,000
Unwrought powder:	8111.00.4910				
China		--	--	193	316,000
South Africa		121	289,000	1,050	2,610,000
United Kingdom		--	--	(4)	4,000
Total		121	289,000	1,250	2,930,000
Unwrought, other:	8111.00.4990				
China		1,230	2,320,000	11,500	20,600,000
Germany		82	176,000	797	1,680,000
South Africa		20	54,200	203	477,000
Total		1,330	2,550,000	12,500	22,800,000
Other manganese, wrought:	8111.00.6000				
Canada		--	--	(4)	7,540
China		--	--	10	40,300
Germany		25	358,000	118	1,700,000
Japan		--	--	(4)	18,100
Mexico		40	169,000	105	401,000
Sweden		--	--	16	245,000
United Kingdom		--	--	(4)	9,720
Total		65	527,000	249	2,420,000
Metallic waste and scrap	8111.00.3000				
Canada		36	14,800	245	100,000
Japan		--	--	4	34,300
Total		36	14,800	249	135,000
Grand total		1,810	4,270,000	19,500	40,300,000

-- 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 JULY 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–July ²	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		--	--	20	\$57,100
Canada		9	\$7,620	481	294,000
India		58	21,200	97	91,200
Mexico		--	--	172	99,900
Netherlands		--	--	14	52,500
Singapore		20	8,570	20	8,570
United Kingdom		--	--	25	15,000
Total		87	37,400	829	618,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Argentina		--	--	218	427,000
Canada		636	1,250,000	3,360	5,880,000
Chile		--	--	20	33,900
Mexico		3	6,230	3	6,230
Romania		--	--	2	4,490
Uruguay		--	--	5	8,620
Total		639	1,250,000	3,610	6,360,000
More than 2% carbon:	7202.11.0000				
Australia		--	--	1	3,960
Canada		198	214,000	3,660	4,020,000
Chile		--	--	10	28,000
China		--	--	15	42,200
Costa Rica		--	--	1	3,030
Finland		--	--	2	6,930
Indonesia		--	--	3	9,200
Mexico		--	--	5	13,500
Peru		38	115,000	38	115,000
Taiwan		4	9,900	4	9,900
Total		240	340,000	3,740	4,260,000
Ferrosilicon manganese	7202.30.0000				
Canada		129	202,000	2,390	2,980,000
Colombia		--	--	203	299,000
Honduras		--	--	2	5,100
Mexico		--	--	23	53,100
Peru		--	--	190	279,000
Total		129	202,000	2,810	3,620,000
Metal, including alloys and waste and scrap: ^{4,5}	8111.00.0000				
Canada		57	220,000	502	1,920,000
Dominican Republic		--	--	48	130,000
Germany		--	--	82	413,000
Japan		8	2,840	58	188,000
Korea, Republic of		--	--	25	9,140
Malaysia		442	284,000	2,490	1,220,000
Mexico		17	14,400	21	116,000
Netherlands		40	111,000	165	1,030,000
Turkey		--	--	29	10,600
Vietnam		--	--	100	80,000
Other [12 countries and (or) localities]		14	656,000	66	1,300,000
Total		578	1,290,000	3,580	6,410,000
Grand total		1,670	3,120,000	14,600	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.

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

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

Source: U.S. Census Bureau.

TABLE 9
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JULY 2021¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–July 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	1,710	\$1,240	India 779; \$551.	17,800	\$10,800	India 7,180; \$4,870.
Manganites, manganates, and other permanganates	2841.69.0090	18	40	India 18; \$40.	50	366	Korea, Republic of 18; \$300.
Potassium permanganate	2841.61.0000	54	113	India 54; \$113.	502	1,090	India 465; \$1,012.
Sodium permanganate	2841.69.0010	132	269	India 113; \$224.	667	1,110	China 458; \$695.
Other sulfates, including manganese sulfate	2833.29.5100	6,230	4,090	China 3,470; \$1,870.	42,800	32,100	China 14,400; \$8,980.
Exports:							
Manganese dioxide	2820.10.0000	711	865	Canada 451; \$297.	5,440	6,140	Canada 3,550; \$2,470.
Manganese oxides other than dioxide	2820.90.0000	318	564	United Arab Emirates 133; \$190.	3,530	6,780	United Arab Emirates 1,390; \$1,980.
Manganites, manganates, and other permanganates	2841.69.0090	21	49	Canada 21; \$44.	110	335	Canada 107; \$231.
Potassium permanganate	2841.61.0000	360	964	Brazil 144; \$353.	1,800	5,270	Belgium 742; \$1,850.
Sodium permanganate	2841.69.0010	9	149	Korea, Republic of 6; \$19.	315	946	Belgium 211; \$477.
Other sulfates, including manganese sulfate	2833.29.9100	1,620	3,890	Canada 1,130; \$1,140.	11,700	25,900	Canada 7,120; \$6,140.

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.