

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 SEPTEMBER 2021

On a gross-weight basis, U.S. imports of manganese ore in September 2021 were 59,700 metric tons (t), more than double the amount in August 2021 (fig. 1, table 5). The leading source of manganese ore, >20% – <47% grade, was South Africa and for >47% grade was Gabon. Total imports of manganese ore for the first 9 months of 2021 were 49% more than those during the same period in 2020.

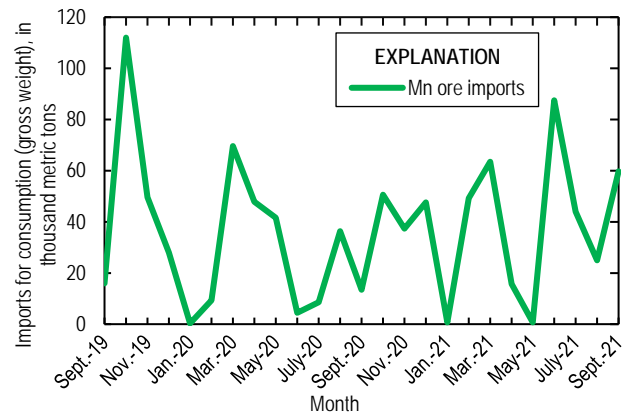


Figure 1. Monthly imports of manganese (Mn) ore from September 2019 through September 2021. Source: U.S. Census Bureau.

Prices

In September 2021, the average spot prices for manganese ore deliveries to China were \$4.59 per metric ton unit, 36%–38% grade, and \$5.41 per metric ton unit, 44% grade, slightly less than and unchanged from, respectively, the August 2021 prices

(fig. 2, table 1). Compared with the monthly average prices in September 2020, the 36%–38%-grade price was 7% more and the 44%-grade price was 25% more.

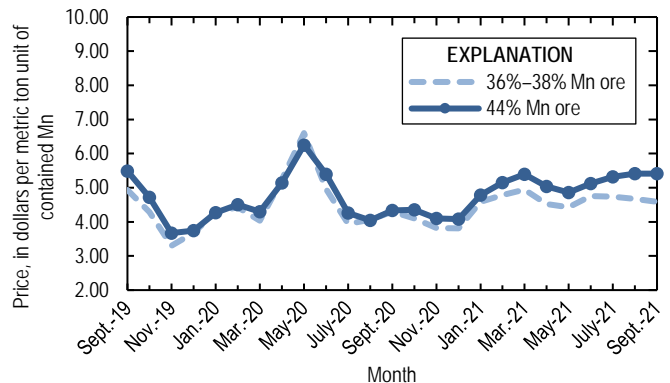


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from September 2019 through September 2021. Source: CRU Group.

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 SEPTEMBER 2021

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	2,420.00	2,460.00	2,500.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	190.00	192.50	195.00
Silicomanganese, 65% manganese	do.	111.80	113.10	114.40
Manganese metal, 99.7% manganese flake ²	cents per pound	315.00	322.50	330.00
Manganese ore:^{3,4}				
36%–38% manganese	dollars per metric ton unit contained manganese	4.53	4.59	4.65
44% manganese	do.	5.35	5.41	5.50

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:						
September	13,800 ^r	35,100 ^r	48,900 ^r	68 ^r	841 ^r	910 ^r
January–September	235,000 ^r	373,000 ^r	608,000 ^r	741 ^r	9,170 ^r	9,910 ^r
2021:						
January	989	24,600	25,500	83	2,930	3,020
February	49,400	71,300	121,000	77	2,670	2,750 ^r
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
August	25,400	62,400	87,800	176	1,330	1,500
September	60,800	58,400	119,000	41	1,120	1,160
January–September	352,000	471,000	822,000	1,050	16,200	17,200

^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 SEPTEMBER 2021^{1,2,3}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–September ⁴		
				Gross weight	Mn content	Value
Australia	--	--	--	37,600	24,700	\$49,300,000
Brazil	--	--	--	913	603	983,000
Georgia	13,000	9,590	\$18,700,000	59,700	44,000	71,100,000
India	--	--	--	500	276	720,000
Malaysia	3,000	1,950	3,360,000	19,000	12,600	20,800,000
Mexico	2,700	1,750	3,330,000	8,560	5,550	10,200,000
Norway	3,550	2,180	6,590,000	22,500	14,000	35,100,000
Russia	--	--	--	2,690	469	3,370,000
South Africa	3,500	2,280	3,850,000	52,900	34,300	52,900,000
Spain	--	--	--	314	187	463,000
Other [1 country or locality]	--	--	--	20	13	25,400
Total	25,800	17,700	35,800,000	205,000	137,000	245,000,000

-- 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–September 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 SEPTEMBER 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–September 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		24	19	\$52,100	672	541	1,110,000
Mexico		117	95	155,000	317	255	414,000
Norway		6,370	5,190	16,500,000	31,400	25,600	59,800,000
South Africa		32	29	54,800	435	385	678,000
Total		6,540	5,330	16,800,000	32,900	26,800	62,100,000
Medium carbon, 1%–2% C:	7202.19.5000						
Australia		--	--	--	9,510	7,240	13,400,000
China		--	--	--	20	16	50,600
India		--	--	--	756	575	752,000
Japan		--	--	--	96	77	149,000
Korea, Republic of		2,500	2,000	4,560,000	13,700	11,000	22,700,000
Mexico		197	149	445,000	1,520	1,150	2,780,000
Norway		300	245	786,000	3,500	2,860	5,080,000
South Africa		--	--	--	20,000	16,000	33,000,000
Total		3,000	2,390	5,790,000	49,100	38,900	78,000,000
High carbon, over 4% C: ⁴	7202.11.5000						
Australia		--	--	--	29,100	22,200	37,600,000
France		417	317	598,000	1,220	939	1,810,000
India		10,300	7,860	13,400,000	32,000	24,000	37,300,000
Korea, Republic of		1,500	1,140	1,970,000	12,000	9,260	14,900,000
Malaysia		7,800	5,920	8,330,000	47,800	36,300	43,300,000
Norway		--	--	--	500	395	371,000
Russia		--	--	--	7,580	4,890	8,690,000
South Africa		133	101	132,000	17,300	13,200	19,400,000
Switzerland		--	--	--	2,310	1,760	2,170,000
Zambia		190	148	250,000	840	648	993,000
Other [4 countries and (or) localities]		--	--	--	838	627	1,460,000
Total		20,300	15,500	24,700,000	152,000	114,000	168,000,000
Grand total		29,900	23,200	47,200,000	234,000	180,000	308,000,000

-- 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–September 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 SEPTEMBER 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–September 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
Mexico		10,600	3,940	\$1,810,000	45,600	17,400	7,670,000
South Africa		12,800	4,730	1,630,000	73,900	29,400	10,700,000
Total		23,300	8,680	3,440,000	124,000	48,900	19,700,000
47% or more manganese:	2602.00.0060						
Brazil		--	--	--	193	97	135,000
France		--	--	--	1	1	2,020,000
Gabon		35,800	20,100	8,640,000	214,000	115,000	44,800,000
Mexico		--	--	--	95	65	98,500
Morocco		168	83	58,900	2,210	1,210	950,000
South Africa		400	194	152,000	5,700	2,820	1,630,000
Total		36,400	20,400	8,850,000	222,000	120,000	49,600,000
Grand total		59,700	29,100	12,300,000	346,000	168,000	69,300,000

-- 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.

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–September ⁴	
			Gross weight	Value
Belgium	--	--	37	\$144,000
Brazil	--	--	153	180,000
Canada	--	--	26	41,300
China	40	\$68,600	78	224,000
Greece	660	1,510,000	2,440	5,490,000
Japan	342	789,000	2,340	5,170,000
Mexico	--	--	63	107,000
Morocco	--	--	51	79,000
South Africa	19	44,100	304	703,000
Spain	52	87,600	192	396,000
Other [2 countries and (or) localities]	--	--	28	114,000
Total	1,110	2,500,000	5,710	12,700,000

-- 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–September 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 SEPTEMBER 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–September ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		256	\$755,000	2,780	\$4,980,000
Gabon		--	--	4	9,700
Japan		(4)	284,000	2	2,340,000
Mexico		--	--	26	91,500
South Africa		1,140	3,090,000	4,510	10,900,000
Total		1,390	4,130,000	7,320	18,300,000
Unwrought powder:	8111.00.4910				
China		--	--	193	316,000
Mexico		--	--	7	20,400
South Africa		162	411,000	1,320	3,250,000
United Kingdom		--	--	(4)	4,000
Total		162	411,000	1,520	3,590,000
Unwrought, other:	8111.00.4990				
China		923	1,880,000	19,100	39,400,000
Germany		138	253,000	1,050	2,170,000
South Africa		40	123,000	305	763,000
Spain		4	6,180	7	10,300
Total		1,100	2,260,000	20,500	42,300,000
Other manganese, wrought:	8111.00.6000				
Canada		--	--	(4)	7,540
China		3	11,500	13	57,900
France		--	--	(4)	3,090
Germany		6	95,000	126	1,810,000
Japan		(4)	2,100	(4)	20,200
Mexico		40	222,000	206	916,000
Sweden		--	--	16	245,000
United Kingdom		--	--	(4)	9,720
Total		50	331,000	361	3,070,000
Metallic waste and scrap	8111.00.3000				
Canada		--	--	316	130,000
Japan		--	--	8	48,000
Total		--	--	324	178,000
Grand total		2,710	7,140,000	30,000	67,500,000

-- 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 SEPTEMBER 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–September ²	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		--	--	20	\$57,100
Canada		22	\$25,000	562	361,000
Dominican Republic		--	--	29	21,500
India		--	--	97	91,200
Mexico		19	7,120	279	137,000
Netherlands		--	--	14	52,500
Singapore		--	--	20	8,570
United Kingdom		--	--	25	15,000
Total		41	32,200	1,050	744,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Argentina		--	--	218	427,000
Canada		201	398,000	4,160	7,480,000
Chile		--	--	20	33,900
Mexico		--	--	3	6,230
Romania		--	--	2	4,490
Uruguay		--	--	5	8,620
Total		201	398,000	4,410	7,970,000
More than 2% carbon:	7202.11.0000				
Australia		--	--	1	3,960
Canada		161	326,000	4,020	4,580,000
Chile		--	--	10	28,000
China		--	--	15	42,200
Finland		--	--	2	6,930
Indonesia		--	--	3	9,200
Jamaica		16	44,900	16	44,900
Mexico		81	208,000	90	233,000
Peru		--	--	38	115,000
Taiwan		--	--	4	9,900
Other [1 country and (or) locality]		--	--	1	3,030
Total		258	579,000	4,200	5,080,000
Ferrosilicon manganese	7202.30.0000				
Canada		353	715,000	2,870	3,930,000
Colombia		--	--	203	299,000
Honduras		--	--	2	5,100
Mexico		19	37,800	62	146,000
Peru		--	--	190	279,000
Total		372	753,000	3,330	4,650,000
Metal, including alloys and waste and scrap:^{4,5}	8111.00.0000				
Canada		--	--	502	1,920,000
Dominican Republic		--	--	48	130,000
Germany		--	--	82	413,000
Japan		40	164,000	103	372,000
Korea, Republic of		--	--	25	9,140
Malaysia		253	260,000	3,100	1,740,000
Mexico		1	32,100	24	183,000
Netherlands		--	--	165	1,030,000
Turkey		--	--	29	10,600
Vietnam		--	--	100	80,000
Other [15 countries and (or) localities]		(6)	5,610	78	1,380,000
Total		294	461,000	4,260	7,270,000
Grand total		1,160	2,220,000	17,200	25,700,000

-- 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–September 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 SEPTEMBER 2021¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–September 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	977	\$654	Brazil 550; \$317.	20,100	\$12,400	India 7,480; \$5,090.
Manganites, manganates, and other permanganates	2841.69.0090	--	--	XX	70	417	India 39; \$92.
Potassium permanganate	2841.61.0000	88	219	India 88; \$209.	758	1,680	India 697; \$1,540.
Sodium permanganate	2841.69.0010	124	249	India 106; \$217.	885	1,560	China 476; \$728.
Other sulfates, including manganese sulfate	2833.29.5100	5,320	5,550	Mexico 2,590; \$2,290.	55,600	42,600	Mexico 17,800; \$13,200.
Exports:							
Manganese dioxide	2820.10.0000	768	887	Canada 498; \$377.	6,880	8,040	Canada 4,480; \$3,180.
Manganese oxides other than dioxide	2820.90.0000	482	1,310	United Arab Emirates 157; \$506.	4,510	9,240	United Arab Emirates 1,540; \$2,490.
Manganites, manganates, and other permanganates	2841.69.0090	19	59	Canada 19; \$40.	146	432	Canada 142; \$306.
Potassium permanganate	2841.61.0000	282	862	Belgium 202; \$510.	2,540	7,400	Belgium 1,310; \$3,280.
Sodium permanganate	2841.69.0010	31	99	Mexico 31; \$92.	370	1,120	Belgium 211; \$477.
Other sulfates, including manganese sulfate	2833.29.9100	1,660	3,230	Canada 885; \$835.	14,700	33,500	Canada 8,570; \$7,560.

-- Zero. XX Not applicable.

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.