

Mineral Industry Surveys

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MANGANESE IN JUNE 2021

On a gross-weight basis, U.S. imports of manganese ore in June 2021 were 87,500 metric tons (t), an increase from 644 t in May 2021 (fig. 1, table 5). The leading source of manganese ore, more than 20%, but less than 47% manganese, was South Africa and for manganese ore, 47% or more manganese, was Gabon. Imports for the first 6 months of 2021 were 26% more than those during the same period in 2020.

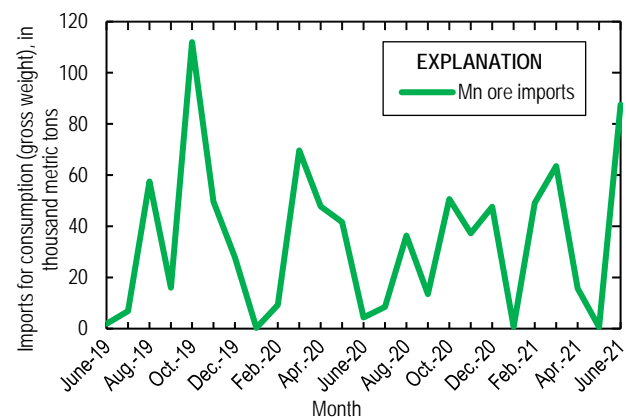


Figure 1. Monthly imports of manganese (Mn) ore from June 2019 through June 2021. Source: U.S. Census Bureau.

Prices

In June 2021, the average spot prices for manganese ore deliveries to China were \$4.76 per metric ton unit, 36%–38% grade, and \$5.12 per metric ton unit, 44% grade, 7% more and 5% more, respectively, than the May 2021 prices (fig. 2, table

1). Compared with the monthly average prices in June 2020, the 36%–38%-grade price was 4% less and the 44%-grade price was 5% less.

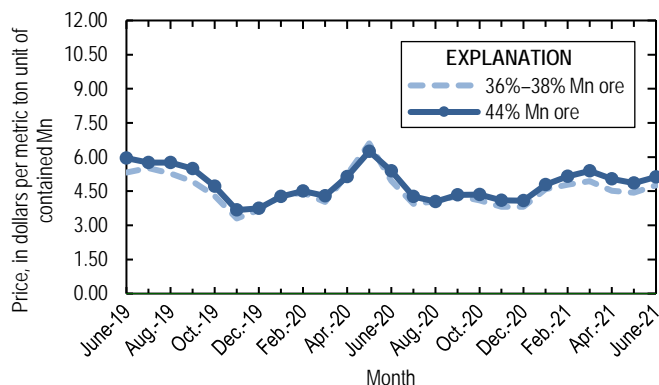


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from June 2019 through June 2021. Source: CRU Group.

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

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	1,788.00	1,802.00	1,816.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	143.20	145.00	146.80
Silicomanganese, 65% manganese	do.	80.60	81.60	82.60
Manganese metal, 99.7% manganese flake ²	cents per pound	153.00	173.56	183.00
Manganese ore:^{3,4}				
36%–38% manganese	dollars per metric ton unit contained manganese	4.50	4.76	4.90
44% manganese	do.	4.80	5.12	5.20

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:						
June	4,870 ^r	19,600 ^r	24,400 ^r	35 ^r	893 ^r	928 ^r
January–June	176,000 ^r	312,000 ^r	489,000 ^r	510 ^r	5,030 ^r	5,540 ^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
January–June	221,000	318,000	539,000	742	12,200	12,900

^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 JUNE 2021^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–June ³		
				Gross weight	Mn content	Value
Australia	9,520	6,260	\$12,700,000	29,600	19,500	\$37,100,000
Brazil	--	--	--	913	603	983,000
Georgia	1,920	1,400	2,310,000	28,500	21,000	30,500,000
India	250	138	360,000	250	138	360,000
Malaysia	4,230	2,900	4,910,000	14,800	9,820	16,200,000
Mexico	632	407	697,000	2,900	1,880	3,290,000
Norway	1,840	1,120	2,720,000	12,400	7,690	16,400,000
Romania	--	--	--	20	13	25,400
Russia	--	--	--	2,690	469	3,370,000
South Africa	6,500	4,220	6,170,000	35,100	22,800	33,300,000
Total	24,900	16,500	29,900,000	127,000	83,800	142,000,000

-- 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 JUNE 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–June 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		--	--	--	412	332	611,000
Norway		5,000	4,070	\$8,450,000	20,200	16,500	31,900,000
South Africa		38	37	70,100	362	320	554,000
Total		5,040	4,110	8,520,000	21,000	17,100	33,100,000
Medium carbon, 1%–2% C:	7202.19.5000						
Australia		9,510	7,240	13,400,000	9,510	7,240	13,400,000
India		756	575	752,000	756	575	752,000
Japan		--	--	--	96	77	149,000
Korea, Republic of		148	118	218,000	8,750	7,010	13,700,000
Mexico		50	38	76,200	740	556	1,140,000
Norway		950	775	1,380,000	3,200	2,620	4,290,000
South Africa		5,850	4,700	10,400,000	13,200	10,600	20,400,000
Total		17,300	13,400	26,300,000	36,200	28,700	53,900,000
High carbon, over 4% C: ⁴	7202.11.5000						
Australia		--	--	--	21,100	16,100	26,000,000
France		147	114	221,000	735	567	1,100,000
India		10,200	7,780	11,700,000	18,200	13,500	19,600,000
Korea, Republic of		--	--	--	9,000	6,980	10,900,000
Malaysia		13,100	9,930	13,200,000	40,000	30,400	34,900,000
Norway		--	--	--	500	395	371,000
Russia		--	--	--	6,250	3,890	6,860,000
South Africa		1,950	1,470	2,360,000	14,500	11,000	15,400,000
Switzerland		--	--	--	2,310	1,760	2,170,000
Zambia		160	121	191,000	650	500	744,000
Other [3 countries and (or) localities]		--	--	--	389	282	397,000
Total		25,600	19,400	27,800,000	114,000	85,300	118,000,000
Grand total		47,900	37,000	62,500,000	171,000	131,000	205,000,000

-- 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–June 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 JUNE 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–June ²		
					Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:	2602.00.0040						
Mexico		10,600	4,150	\$1,930,000	23,200	8,930	\$3,730,000
South Africa		45,700	18,400	6,630,000	60,200	24,300	8,840,000
Total		56,300	22,600	8,560,000	83,400	33,200	12,600,000
47% or more manganese:	2602.00.0060						
Brazil		120	61	53,000	120	61	53,000
France		--	--	--	1	1	2,020,000
Gabon		26,700	13,500	6,680,000	127,000	69,400	25,200,000
Morocco		312	158	138,000	1,630	905	720,000
South Africa		4,000	2,000	983,000	4,700	2,340	1,250,000
Total		31,100	15,700	7,850,000	134,000	72,700	29,200,000
Grand total		87,500	38,200	16,400,000	217,000	106,000	41,800,000

-- 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 JUNE 2021^{1,2,3}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–June ⁴	
			Gross weight	Value
Belgium	--	--	37	\$144,000
Brazil	--	--	100	120,000
Canada	4	\$7,030	26	41,300
China	--	--	37	153,000
Greece	957	2,120,000	1,570	3,490,000
Japan	358	699,000	1,680	3,730,000
Mexico	--	--	42	71,200
Morocco	--	--	19	23,900
South Africa	--	--	285	659,000
Spain	--	--	45	75,800
Other [2 countries and (or) localities]	--	--	21	82,200
Total	1,320	2,830,000	3,860	8,590,000

-- 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–June 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 JUNE 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–June ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		10	\$14,500	2,460	\$4,040,000
Japan		(4)	322,000	1	1,420,000
Mexico		4	12,200	6	19,100
South Africa		427	1,110,000	2,480	5,640,000
Total		441	1,460,000	4,940	11,100,000
Unwrought powder:	8111.00.4910				
China		40	115,000	193	316,000
South Africa		162	388,000	931	2,320,000
United Kingdom		--	--	(4)	4,000
Total		202	502,000	1,120	2,640,000
Unwrought, other:	8111.00.4990				
China		827	1,210,000	10,300	18,300,000
Germany		59	147,000	715	1,500,000
South Africa		--	--	183	423,000
Total		885	1,360,000	11,200	20,200,000
Other manganese, wrought:	8111.00.6000				
Canada		--	--	(4)	7,540
China		--	--	10	40,300
Germany		--	--	93	1,340,000
Japan		--	--	(4)	18,100
Mexico		20	71,900	65	232,000
Sweden		--	--	16	245,000
United Kingdom		--	--	(4)	9,720
Total		20	71,900	184	1,890,000
Metallic waste and scrap	8111.00.3000				
Canada		--	--	208	85,500
Japan		(4)	13,700	4	34,300
Total		(4)	13,700	212	120,000
Grand total		1,550	3,410,000	17,700	36,000,000

-- 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.

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 JUNE 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–June ²	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		--	--	20	\$57,100
Canada		--	--	472	287,000
India		--	--	39	70,000
Mexico		68	\$29,400	172	99,900
Netherlands		--	--	14	52,500
United Kingdom		--	--	25	15,000
Total		68	29,400	742	581,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Argentina		--	--	218	427,000
Canada		639	1,230,000	2,720	4,630,000
Chile		--	--	20	33,900
Romania		--	--	2	4,490
Uruguay		--	--	5	8,620
Total		639	1,230,000	2,970	5,110,000
More than 2% carbon:	7202.11.0000				
Australia		--	--	1	3,960
Canada		56	69,200	3,470	3,810,000
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	5	13,500
Total		61	82,700	3,500	3,920,000
Ferrosilicon manganese	7202.30.0000				
Canada		198	260,000	2,260	2,780,000
Colombia		--	--	203	299,000
Honduras		--	--	2	5,100
Mexico		23	53,100	23	53,100
Peru		--	--	190	279,000
Total		221	313,000	2,680	3,410,000
Metal, including alloys and waste and scrap:^{4,5}	8111.00.0000				
Canada		66	244,000	445	1,700,000
Dominican Republic		--	--	48	130,000
Germany		15	27,800	82	413,000
India		--	--	20	12,300
Japan		--	--	50	185,000
Korea, Republic of		--	--	25	9,140
Malaysia		587	339,000	2,050	932,000
Netherlands		100	267,000	125	924,000
Turkey		--	--	29	10,600
Vietnam		--	--	100	80,000
Other [11 countries and (or) localities]		5	117,000	36	732,000
Total		773	994,000	3,010	5,130,000
Grand total		1,760	2,650,000	12,900	18,100,000

-- 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–June 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 JUNE 2021¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–June 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	3,650	\$923	South Africa 3,290; \$639.	16,100	\$9,590	India 6,400; \$4,320.
Manganites, manganates, and other permanganates	2841.69.0090	14	26	Canada 14; \$26.	32	326	Korea, Republic of 18; \$300.
Potassium permanganate	2841.61.0000	107	217	India 93; \$189.	448	978	India 411; \$899.
Sodium permanganate	2841.69.0010	57	93	China 38; \$51.	535	845	China 439; \$651.
Other sulfates, including manganese sulfate	2833.29.5100	5,470	3,930	Mexico 2,060; \$1,530.	36,600	28,000	Mexico 11,600; \$8,310.
Exports:							
Manganese dioxide	2820.10.0000	896	834	Canada 664; \$396.	4,730	5,280	Canada 3,100; \$2,170.
Manganese oxides other than dioxide	2820.90.0000	360	562	United Arab Emirates 171; \$245.	3,210	6,220	United Arab Emirates 1,250; \$1,790.
Manganites, manganates, and other permanganates	2841.69.0090	7	60	Canada 5; \$12.	89	286	Canada 86; \$187.
Potassium permanganate	2841.61.0000	189	664	Belgium 110; \$280.	1,440	4,310	Belgium 616; \$1,570.
Sodium permanganate	2841.69.0010	84	191	Belgium 39; \$87.	305	797	Belgium 211; \$477.
Other sulfates, including manganese sulfate	2833.29.9100	1,990	3,140	Canada 1,600; \$1,160.	10,100	22,100	Canada 5,990; \$5,010.

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.