

Mineral Industry Surveys

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MANGANESE IN MARCH 2021

On a gross-weight basis, U.S. imports of manganese ore in March 2021 were 63,500 metric tons (t), a 29% increase from 49,200 t in February 2021 (fig. 1, table 5). Imports for the first 3 months of 2021 were 43% more than those during the same period in 2020.

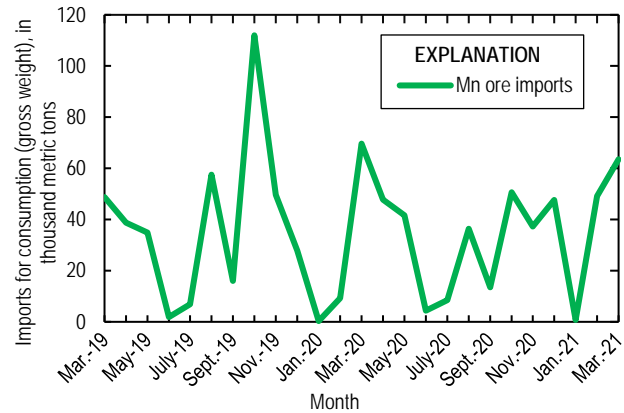


Figure 1. Monthly imports of manganese (Mn) ore from March 2019 through March 2021. Source: U.S. Census Bureau.

Prices

In March 2021, the average spot prices for manganese ore deliveries to China were \$4.94 per metric ton unit, 36%–38% grade, and \$5.39 per metric ton unit, 44% grade, 3% and 5% more, respectively, than the February 2021 prices (fig. 2, table 1). Compared with the monthly average prices in March 2020,

the 36%–38%-grade price was 23% more and the 44%-grade price was 25% more.

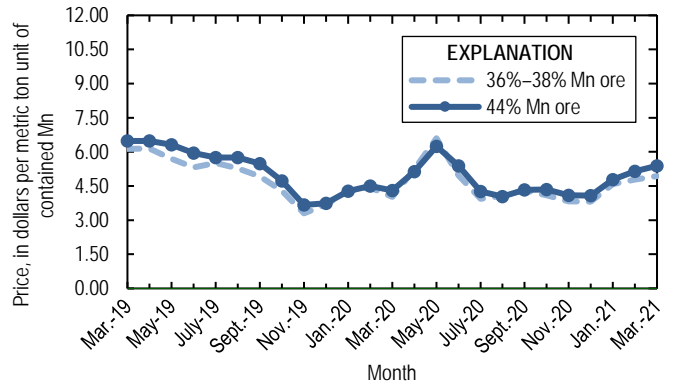


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from March 2019 through March 2021. Source: CRU Group.

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

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	1,642.00	1,658.00	1,674.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	118.00	120.20	122.40
Silicomanganese, 65% manganese	do.	69.60	70.30	71.00
Manganese metal, 99.7% manganese flake ²	cents per pound	131.00	139.50	150.00
Manganese ore:^{3,4}				
36%–38% manganese	dollars per metric ton unit contained manganese	4.67	4.94	5.00
44% manganese	do.	5.10	5.39	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:						
March	70,400 ^r	69,000 ^r	139,000 ^r	80 ^r	1,030 ^r	1,110 ^r
January–March	81,000 ^r	195,000 ^r	276,000 ^r	135 ^r	2,780 ^r	2,910 ^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
January–March	115,000	162,000	276,000	209	7,550	7,760

^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 MARCH 2021^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–March ³		
				Gross weight	Mn content	Value
Australia	5,400	3,530	\$7,030,000	12,600	8,270	\$14,300,000
Brazil	271	179	284,000	471	310	468,000
Georgia	12,800	9,450	12,600,000	13,500	9,980	13,300,000
Malaysia	5,550	3,610	5,360,000	10,300	6,740	10,900,000
Mexico	144	93	155,000	360	231	359,000
Norway	1,830	1,120	2,540,000	8,030	5,000	9,680,000
Romania	20	13	25,400	20	13	25,400
Russia	2,690	469	3,370,000	2,690	469	3,370,000
South Africa	7,800	5,070	7,410,000	14,300	9,300	13,600,000
Total	36,500	23,500	38,700,000	62,300	40,300	66,000,000

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 MARCH 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–March ²		
					Gross weight	Mn content	Value
Low carbon, less than 1% C:	7202.19.1000						
Japan		72	58	\$112,000	272	219	\$384,000
Norway		3,460	2,820	5,400,000	11,200	9,090	16,700,000
South Africa		35	28	40,300	181	154	245,000
Total		3,570	2,900	5,550,000	11,600	9,470	17,300,000
Medium carbon, 1%–2% C:	7202.19.5000						
Korea, Republic of		1,730	1,390	3,060,000	5,730	4,590	8,630,000
Norway		479	393	654,000	1,950	1,600	2,390,000
South Africa		58	45	119,000	5,350	4,300	7,280,000
Total		2,270	1,820	3,830,000	13,000	10,500	18,300,000
High carbon, over 4% C:	7202.11.5000						
Australia		10,500	8,010	14,300,000	21,100	16,100	26,000,000
Brazil		--	--	--	100	73	94,400
Germany		1	1	8,200	1	1	8,200
India		856	648	878,000	2,320	1,730	2,160,000
Korea, Republic of		2,500	1,900	3,250,000	7,000	5,460	8,320,000
Malaysia		--	--	--	21,500	16,400	17,000,000
Norway		--	--	--	500	395	371,000
Russia		--	--	--	3,780	2,950	3,680,000
South Africa		2,680	2,050	2,660,000	6,740	5,150	6,740,000
Total		16,600	12,600	21,100,000	63,100	48,200	64,300,000
Grand total		22,400	17,300	30,500,000	87,800	68,200	99,900,000

-- 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.

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–March ²		
					Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:	2602.00.0040						
Mexico		--	--	--	11,100	4,230	\$1,440,000
South Africa		546	247	\$146,000	1,040	476	271,000
Total		546	247	146,000	12,100	4,700	1,710,000
47% or more manganese:	2602.00.0060						
France		--	--	--	1	1	2,020,000
Gabon		62,800	36,300	11,300,000	101,000	55,900	18,500,000
Morocco		168	84	70,500	384	205	165,000
South Africa		--	--	--	200	97	76,000
Total		63,000	36,400	11,400,000	101,000	56,200	20,800,000
Grand total		63,500	36,600	11,500,000	113,000	60,900	22,500,000

-- 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.

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–March ³	
			Gross weight	Value
Belgium	--	--	19	\$89,300
Brazil	35	\$40,200	65	80,000
Canada	--	--	15	25,500
Germany	2	11,300	2	11,300
Greece	149	330,000	248	557,000
India	(4)	2,500	(4)	2,500
Japan	310	696,000	544	1,250,000
Mexico	10	17,800	21	35,600
Morocco	--	--	19	23,900
South Africa	209	481,000	247	569,000
Spain	10	17,500	31	52,500
Total	726	1,600,000	1,210	2,700,000

-- 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.

³May include revisions to previously published data.

⁴Less than ½ unit.

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–March ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		1,750	\$2,870,000	2,350	\$3,800,000
Japan		(4)	319,000	1	705,000
South Africa		467	1,230,000	1,490	3,160,000
Total		2,210	4,410,000	3,840	7,660,000
Unwrought powder:	8111.00.4910				
China		20	28,700	60	102,000
South Africa		125	310,000	406	1,040,000
Total		145	338,000	466	1,140,000
Unwrought, other:	8111.00.4990				
China		3,620	6,260,000	4,930	8,080,000
Germany		154	316,000	406	788,000
South Africa		--	--	102	230,000
Total		3,770	6,580,000	5,440	9,100,000
Other manganese, wrought:	8111.00.6000				
Canada		(4)	7,540	(4)	7,540
China		5	19,000	6	24,000
Germany		35	502,000	59	848,000
Mexico		23	80,800	45	160,000
Sweden		9	130,000	9	130,000
United Kingdom		(4)	9,720	(4)	9,720
Total		72	749,000	119	1,180,000
Metallic waste and scrap	8111.00.3000				
Canada		72	29,300	136	48,000
Japan		(4)	6,850	(4)	6,850
Total		72	36,200	136	54,800
Grand total		6,270	12,100,000	10,000	19,100,000

-- 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.

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 MARCH 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–March ²	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		--	--	20	\$57,100
Canada		18	\$20,600	39	42,900
India		--	--	39	70,000
Mexico		32	19,700	87	53,300
United Kingdom		--	--	25	15,000
Total		50	40,300	209	238,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Argentina		--	--	218	427,000
Canada		896	1,240,000	1,220	1,740,000
China		20	33,900	20	33,900
Uruguay		--	--	5	8,620
Total		916	1,280,000	1,470	2,200,000
More than 2% carbon:	7202.11.0000				
Australia		1	3,960	1	3,960
Canada		227	328,000	3,220	3,560,000
Chile		10	28,000	10	28,000
China		15	42,200	15	42,200
Indonesia		--	--	3	9,200
Total		253	402,000	3,250	3,650,000
Ferrosilicon manganese	7202.30.0000				
Canada		150	188,000	1,800	2,180,000
Colombia		203	299,000	203	299,000
Peru		190	279,000	190	279,000
Total		543	766,000	2,190	2,760,000
Metal, including alloys and waste and scrap:^{4, 5}	8111.00.0000				
Canada		27	102,000	35	139,000
China		--	--	2	26,100
Dominican Republic		20	17,300	48	130,000
Germany		--	--	67	385,000
India		20	12,300	20	12,300
Japan		5	18,900	10	34,900
Korea, Republic of		--	--	25	9,140
Malaysia		154	55,100	409	144,000
Netherlands		--	--	12	17,900
Norway		6	293,000	6	293,000
Other [5 countries and (or) localities]		(6)	13,800	3	122,000
Total		232	513,000	637	1,310,000
Grand total		2,000	3,000,000	7,760	10,200,000

-- 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.

⁴Presentation of monthly data is based on the January–March 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 MARCH 2021¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–March 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	2,660	\$1,920	India 913; \$591.	7,770	\$5,380	India 3,560; \$2,300.
Manganites, manganates, and other permanganates	2841.69.0090	1	12	Korea, Republic of 1; \$12.	1	12	Korea, Republic of 1; \$12.
Potassium permanganate	2841.61.0000	50	106	India 32; \$73.	146	334	India 123; \$289.
Sodium permanganate	2841.69.0010	126	200	China 107; \$164.	310	496	China 253; \$386.
Other sulfates, including manganese sulfate	2833.29.5100	6,720	4,960	China 2,480; \$1,660.	18,000	13,300	China 6,390; \$4,060.
Exports:							
Manganese dioxide	2820.10.0000	635	719	Canada 548; \$406.	1,920	2,300	Canada 1,330; \$954.
Manganese oxides other than dioxide	2820.90.0000	682	1,250	United Arab Emirates 209; \$299.	1,460	3,030	United Arab Emirates 532; \$761.
Manganites, manganates, and other permanganates	2841.69.0090	27	70	Canada 27; \$57.	34	94	Canada 34; \$71.
Potassium permanganate	2841.61.0000	228	676	Belgium 90; \$230.	696	2,030	Belgium 235; \$595.
Sodium permanganate	2841.69.0010	68	182	Belgium 57; \$129.	75	223	Belgium 57; \$129.
Other sulfates, including manganese sulfate	2833.29.9100	2,160	4,980	Canada 1,150; \$1,130.	4,760	10,500	Canada 2,580; \$2,320.

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.