

Mineral Industry Surveys

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MANGANESE IN APRIL 2021

On a gross-weight basis, U.S. imports of manganese ore in April 2021 were 15,700 metric tons (t), a decrease from 63,500 t in March 2021 (fig. 1, table 5). Imports for the first 4 months of 2021 were slightly more than those during the same period in 2020.

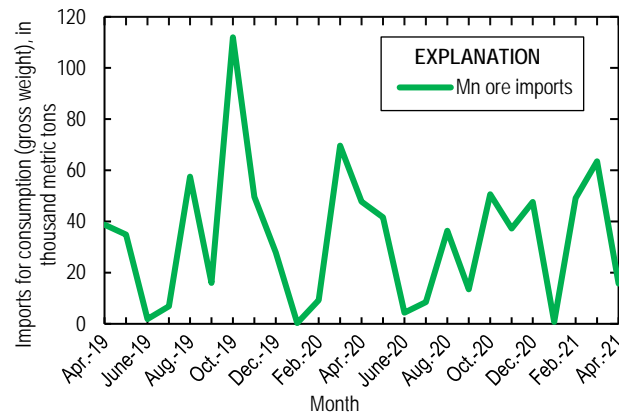


Figure 1. Monthly imports of manganese (Mn) ore from April 2019 through April 2021. Source: U.S. Census Bureau.

Prices

In April 2021, the average spot prices for manganese ore deliveries to China were \$4.52 per metric ton unit, 36%–38% grade, and \$5.04 per metric ton unit, 44% grade, 9% and 6% less, respectively, than the March 2021 prices (fig. 2, table 1). Compared with the monthly average prices in April 2020, the

36%–38%-grade price was 14% less and the 44%-grade price was slightly less.

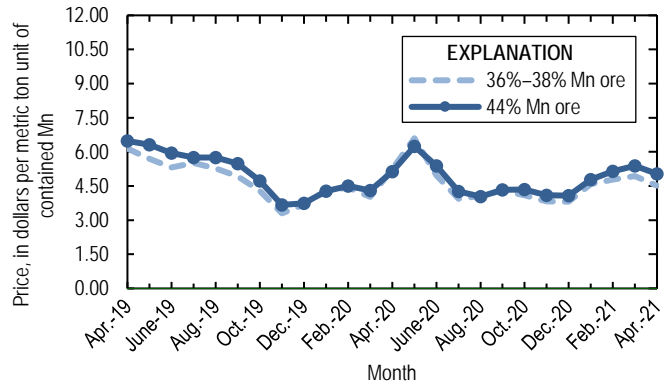


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from April 2019 through April 2021. Source: CRU Group.

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

		Low	Average	High
<u>Manganese ferroalloys:¹</u>				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	1,670.00	1,683.75	1,697.50
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	133.00	134.00	135.00
Silicomanganese, 65% manganese	do.	70.25	71.00	71.75
<u>Manganese metal, 99.7% manganese flake²</u>				
	cents per pound	135.00	143.89	154.00
<u>Manganese ore:^{3,4}</u>				
36%-38% manganese	dollars per metric ton unit contained manganese	4.25	4.52	4.72
44% manganese	do.	4.80	5.04	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:						
April	48,300 ^r	33,000 ^r	81,300 ^r	98 ^r	977 ^r	1,080 ^r
January–April	129,000 ^r	228,000 ^r	357,000 ^r	233 ^r	3,750 ^r	3,990 ^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
March	64,200	65,800	130,000	50	1,940	1,990
April	16,700	22,800	39,500	52	1,260	1,310
January–April	131,000	184,000	316,000	261	8,810	9,070

^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 APRIL 2021^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–April ³		
				Gross weight	Mn content	Value
Australia	--	--	--	12,600	8,270	\$14,300,000
Brazil	441	293	\$515,000	913	603	983,000
Georgia	350	253	404,000	13,900	10,200	13,700,000
Malaysia	--	--	--	10,300	6,740	10,900,000
Mexico	1,770	1,150	2,080,000	2,130	1,380	2,440,000
Norway	1,420	878	2,120,000	9,450	5,870	11,800,000
Romania	--	--	--	20	13	25,400
Russia	--	--	--	2,690	469	3,370,000
South Africa	6,500	4,230	6,180,000	20,800	13,500	19,800,000
Total	10,500	6,800	11,300,000	72,800	47,100	77,300,000

-- 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 APRIL 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–April ²		
					Gross weight	Mn content	Value
Low carbon, less than 1% C:	7202.19.1000						
India		1	1	\$2,400	1	1	\$2,400
Japan		116	93	183,000	387	312	566,000
Norway		1,990	1,620	3,210,000	13,200	10,700	19,900,000
South Africa		35	30	43,400	217	184	289,000
Total		2,140	1,740	3,440,000	13,800	11,200	20,700,000
Medium carbon, 1%–2% C:	7202.19.5000						
Japan		96	77	149,000	96	77	149,000
Korea, Republic of		782	636	1,360,000	6,510	5,220	10,000,000
Mexico		690	518	1,060,000	690	518	1,060,000
Norway		--	--	--	1,950	1,600	2,390,000
South Africa		1	1	2,860	5,360	4,300	7,280,000
Total		1,570	1,230	2,580,000	14,600	11,700	20,900,000
High carbon, over 4% C: ⁴	7202.11.5000						
Australia		--	--	--	21,100	16,100	26,000,000
Brazil		160	119	168,000	260	192	262,000
India		3,960	2,910	4,090,000	6,280	4,640	6,240,000
Korea, Republic of		--	--	--	7,000	5,460	8,320,000
Malaysia		14	9	23,600	21,500	16,400	17,000,000
Norway		--	--	--	500	395	371,000
Russia		--	--	--	3,780	2,950	3,680,000
South Africa		18	14	53,100	6,760	5,160	6,790,000
Switzerland		2,310	1,760	2,170,000	2,310	1,760	2,170,000
Zambia		299	230	332,000	299	230	332,000
Other [3 countries and (or) localities]		230	177	348,000	231	178	356,000
Total		6,990	5,210	7,180,000	70,100	53,400	71,500,000
Grand total		10,700	8,190	13,200,000	98,500	76,300	113,000,000

-- 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–April 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 APRIL 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–April ²		
					Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:	2602.00.0040						
Mexico		1,550	557	\$370,000	12,600	4,790	\$1,810,000
South Africa		13,200	5,280	1,890,000	14,200	5,750	2,160,000
Total		14,700	5,830	2,260,000	26,900	10,500	3,970,000
47% or more manganese:	2602.00.0060						
France		--	--	--	1	1	2,020,000
Gabon		--	--	--	101,000	55,900	18,500,000
Morocco		480	257	214,000	864	462	378,000
South Africa		500	243	190,000	700	340	266,000
Total		980	500	404,000	102,000	56,700	21,200,000
Grand total		15,700	6,330	2,670,000	129,000	67,300	25,100,000

-- 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.

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–April ⁴	
			Gross weight	Value
Belgium	--	--	19	\$89,300
Brazil	--	--	65	80,000
Canada	7	\$8,810	22	34,300
Germany	1	5,640	3	16,900
Greece	363	806,000	611	1,360,000
Japan	602	1,390,000	1,150	2,640,000
Mexico	--	--	21	35,600
Morocco	--	--	19	23,900
South Africa	--	--	247	569,000
Spain	--	--	31	52,500
Other [2 countries and (or) localities]	(5)	6,800	(5)	9,300
Total	973	2,210,000	2,180	4,910,000

-- 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–April quantities (gross weight) of the leading countries.

⁴May include revisions to previously published data.

⁵Less than ½ unit.

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–April ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		81	\$199,000	2,430	\$4,000,000
Japan		(4)	252,000	1	957,000
South Africa		29	90,100	1,520	3,250,000
Total		110	541,000	3,950	8,210,000
Unwrought powder:	8111.00.4910				
China		20	36,300	80	139,000
South Africa		121	311,000	527	1,350,000
United Kingdom		(4)	4,000	(4)	4,000
Total		141	351,000	607	1,490,000
Unwrought, other:	8111.00.4990				
China		975	1,550,000	5,910	9,630,000
Germany		154	359,000	559	1,150,000
South Africa		61	149,000	163	380,000
Total		1,190	2,060,000	6,630	11,200,000
Other manganese, wrought:	8111.00.6000				
Canada		--	--	(4)	7,540
China		--	--	6	24,000
Germany		16	222,000	75	1,070,000
Mexico		--	--	45	160,000
Sweden		4	70,300	13	200,000
United Kingdom		--	--	(4)	9,720
Total		20	292,000	139	1,470,000
Metallic waste and scrap	8111.00.3000				
Canada		36	22,800	172	70,800
Japan		4	13,700	4	20,600
Total		40	36,500	176	91,300
Grand total		1,500	3,280,000	11,500	22,400,000

-- 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 APRIL 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–April ²	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		--	--	20	\$57,100
Canada		44	\$41,500	84	84,400
India		--	--	39	70,000
Mexico		7	7,130	95	60,400
United Kingdom		--	--	25	15,000
Total		52	48,700	261	287,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Argentina		--	--	218	427,000
Canada		344	670,000	1,570	2,410,000
Chile		--	--	20	33,900
Romania		2	4,490	2	4,490
Uruguay		--	--	5	8,620
Total		347	675,000	1,810	2,880,000
More than 2% carbon:	7202.11.0000				
Australia		--	--	1	3,960
Canada		2	6,830	3,230	3,570,000
Chile		--	--	10	28,000
China		--	--	15	42,200
Finland		2	6,930	2	6,930
Indonesia		--	--	3	9,200
Total		5	13,800	3,260	3,660,000
Ferrosilicon manganese	7202.30.0000				
Canada		243	295,000	2,040	2,480,000
Colombia		--	--	203	299,000
Honduras		2	5,100	2	5,100
Peru		--	--	190	279,000
Total		245	300,000	2,440	3,060,000
Metal, including alloys and waste and scrap:^{4,5}	8111.00.0000				
Canada		154	566,000	188	705,000
Dominican Republic		--	--	48	130,000
Germany		--	--	67	385,000
India		--	--	20	12,300
Japan		--	--	10	34,900
Korea, Republic of		--	--	25	9,140
Malaysia		377	162,000	786	305,000
Netherlands		--	--	12	17,900
Turkey		29	10,600	29	10,600
Vietnam		100	80,000	100	80,000
Other [8 countries and (or) localities]		5	85,000	16	526,000
Total		665	903,000	1,300	2,220,000
Grand total		1,310	1,940,000	9,070	12,100,000

-- 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–April 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 APRIL 2021¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–April 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	2,710	\$1,890	India 1,550; \$1,100.	10,500	\$7,270	India 5,110; \$3,400.
Manganites, manganates, and other permanganates	2841.69.0090	14	237	Korea, Republic of 14; \$237.	15	250	Korea, Republic of 15; \$250.
Potassium permanganate	2841.61.0000	72	162	India 72; \$162.	218	496	India 195; \$451.
Sodium permanganate	2841.69.0010	55	96	China 35; \$55.	365	593	China 288; \$441.
Other sulfates, including manganese sulfate	2833.29.5100	5,700	5,020	India 2,130; \$1,240.	23,700	18,300	Mexico 7,320; \$5,220.
Exports:							
Manganese dioxide	2820.10.0000	863	893	Canada 555; \$408.	2,780	3,190	Canada 1,880; \$1,360.
Manganese oxides other than dioxide	2820.90.0000	699	1,360	United Kingdom 225; \$317.	2,160	4,390	United Arab Emirates 741; \$1,060.
Manganites, manganates, and other permanganates	2841.69.0090	10	22	Canada 9; \$20.	44	116	Canada 43; \$91.
Potassium permanganate	2841.61.0000	158	497	Belgium 90; \$233.	854	2,530	Belgium 325; \$828.
Sodium permanganate	2841.69.0010	84	200	Belgium 58; \$129.	159	423	Belgium 115; \$259.
Other sulfates, including manganese sulfate	2833.29.9100	1,720	3,980	Canada 1,020; \$933.	6,480	14,500	Canada 3,600; \$3,250.

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.