

Mineral Industry Surveys

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MANGANESE IN APRIL 2020

On a gross-weight basis, U.S. imports of manganese ore in April 2020 were 47,800 metric tons (t), a 31% decrease from 69,600 t in March 2020 (fig. 1, table 5). Total imports of manganese ore during the first 4 months of 2020 were 127,000 t, essentially unchanged compared with those during the same period in 2019.

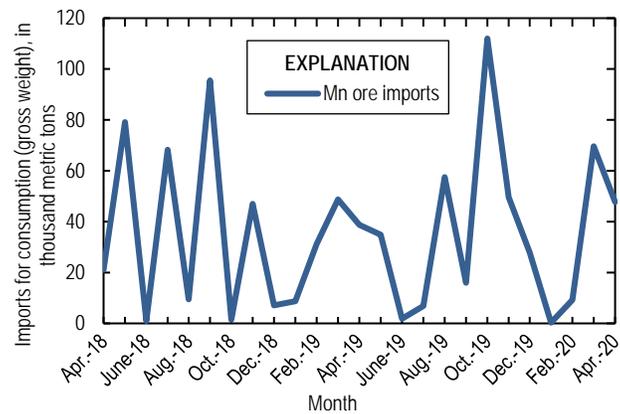


Figure 1. Monthly imports of manganese (Mn) ore from April 2018 through April 2020. Source: U.S. Census Bureau.

In April 2020, the average spot prices for manganese ore deliveries to China were \$5.24 per metric ton unit, 36%–38% grade, and \$5.14 per metric ton unit, 44% grade (fig. 2, table 1). Compared with March 2020 prices, the 36%–38%-grade price was 30% more and the 44%-grade price was 20% more.

Compared with the monthly average prices in April 2019, the 36%–38%-grade price was 15% less and the 44%-grade price was 21% less.

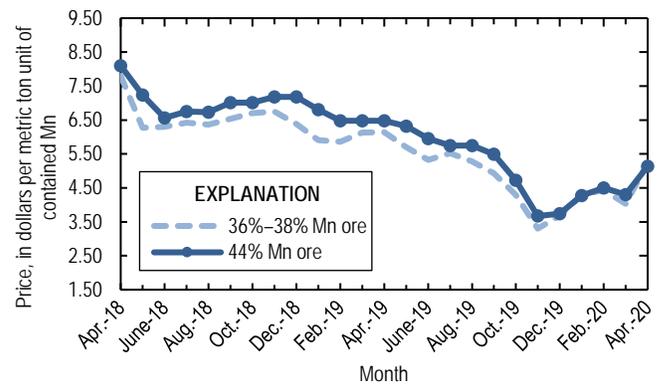


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from April 2018 through April 2020. Source: CRU Group.

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TABLE 1
PRICES FOR MANGANESE FERROALLOYS, METAL, AND ORE IN APRIL 2020

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	1,150.00	1,200.00	1,250.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	87.00	91.00	95.00
Silicomanganese, 65% manganese	do.	55.00	55.50	56.00
Manganese metal, 99.7% manganese flake ²	cents per pound	102.00	106.00	110.00
Manganese ore:^{3,4}				
36%–38% manganese	dollars per metric ton unit contained manganese	3.80	5.24	7.00
44% manganese	do.	4.10	5.14	5.55

do. Ditto.

¹S&P Global Platts; 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, manganese content)²

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2019:						
April	27,000	46,300	73,400	20	1,140	1,160
January–April	69,600	193,000 ^r	263,000 ^r	178	6,010 ^r	6,190 ^r
2020:						
January	461	51,800	52,300	20	670	690
February	1,530	38,000	39,500	8	978	986
March	32,300	50,500	82,700	40	943	983
April	27,800	25,600	53,400	49	860	909
January–April	62,100	166,000	228,000	117	3,450	3,570

^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²As reported except as estimated from gross weights for imports of manganese dioxide and manganese metals and for exports of manganese ores and concentrates and manganese waste and scrap.

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN APRIL 2020^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–April ³		
				Gross weight	Mn content	Value
Australia	--	--	--	20,600	13,600	\$21,100,000
Georgia	430	310	\$443,000	36,100	25,700	41,900,000
Korea, Republic of	--	--	--	20	12	39,900
Malaysia	--	--	--	8,780	5,720	7,660,000
Mexico	1,900	1,240	1,740,000	2,250	1,470	2,080,000
Norway	2,570	1,350	3,300,000	5,280	3,010	6,640,000
Oman	456	298	424,000	912	595	841,000
Russia	--	--	--	2,850	1,210	2,850,000
South Africa	--	--	--	27,300	16,200	25,900,000
Total	5,350	3,200	5,910,000	104,000	67,600	109,000,000

-- 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 APRIL 2020¹

(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						
China		--	--	--	6	6	\$14,400
Germany		--	--	--	4	4	10,600
Japan		88	71	\$132,000	263	210	397,000
Korea, Republic of		1,610	1,480	2,800,000	2,710	2,490	4,730,000
Mexico		--	--	--	18	15	47,200
Norway		4,980	4,030	7,230,000	14,900	12,100	21,700,000
South Africa		101	94	173,000	226	197	370,000
Total		6,780	5,680	10,300,000	18,100	15,000	27,200,000
Medium carbon, 1%–2% C:	7202.19.5000						
Brazil		--	--	--	540	430	497,000
India		20	18	31,000	301	241	419,000
Korea, Republic of		4,500	3,600	5,470,000	12,700	10,100	16,200,000
Mexico		425	329	614,000	545	420	805,000
Norway		400	326	530,000	439	357	609,000
South Africa		1,870	1,500	2,620,000	9,820	7,860	13,900,000
Total		7,210	5,770	9,260,000	24,300	19,400	32,400,000
High carbon, over 4% C:	7202.11.5000						
Australia		--	--	--	12,200	9,340	10,400,000
Brazil		100	75	93,000	781	579	676,000
Canada		--	--	--	21	13	38,900
France		--	--	--	256	197	310,000
India		279	210	241,000	918	691	813,000
Korea, Republic of		--	--	--	3,000	2,280	2,510,000
Malaysia		5,200	3,950	3,720,000	26,700	20,300	21,600,000
Mexico		--	--	--	1	1	2,310
Russia		--	--	--	16,200	12,200	14,000,000
South Africa		5,450	4,130	5,120,000	12,400	9,360	12,300,000
Zambia		--	--	--	238	81	185,000
Total		11,000	8,360	9,170,000	72,700	55,100	62,900,000
Grand total		25,000	19,800	28,800,000	115,000	89,500	123,000,000

-- 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.

Source: U.S. Census Bureau.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn)
IN APRIL 2020¹

(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		--	--	--	8,960	1,070	\$1,240,000
South Africa		243	114	\$56,100	39,800	16,200	5,660,000
Total		243	114	56,100	48,800	17,200	6,900,000
47% or more manganese:	2602.00.0060						
Brazil		129	63	84,600	289	141	212,000
Gabon		47,400	27,300	10,400,000	77,500	43,100	17,600,000
Morocco		--	--	--	96	73	43,900
South Africa		--	--	--	300	146	132,000
Total		47,500	27,400	10,500,000	78,200	43,500	17,900,000
Grand total		47,800	27,500	10,600,000	127,000	60,700	24,800,000

-- 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 APRIL 2020^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–April ³	
			Gross weight	Value
Brazil	--	--	21	\$36,100
Canada	--	--	5	20,700
Germany	2	\$9,610	14	75,100
India	--	--	37	69,200
Japan	540	1,210,000	1,990	4,380,000
Mexico	--	--	21	35,600
Morocco	--	--	180	306,000
Spain	--	--	45	76,500
Total	542	1,210,000	2,310	5,000,000

-- 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.

Source: U.S. Census Bureau.

TABLE 7
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL
IN APRIL 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross		January–April ²	
		weight	Value	Gross weight	Value
Unwrought flake:	8111.00.4700				
China		326	\$521,000	854	\$1,520,000
Japan		(4)	189,000	1	769,000
Singapore		--	--	48	73,200
South Africa		244	576,000	1,200	2,480,000
Total		570	1,290,000	2,100	4,840,000
Unwrought powder:	8111.00.4910				
China		--	--	58	99,100
Germany		--	--	(4)	6,100
Mexico		2	6,900	47	174,000
South Africa		48	141,000	273	795,000
Total		50	148,000	378	1,070,000
Unwrought, other:	8111.00.4990				
China		1,410	2,160,000	4,700	7,530,000
Germany		114	246,000	324	659,000
Luxembourg		306	526,000	306	526,000
South Africa		61	124,000	502	1,060,000
Spain		--	--	33	54,600
Total	8111.00.6000	1,890	3,050,000	5,870	9,830,000
Other manganese, wrought:					
Germany		10	121,000	41	531,000
Luxembourg		--	--	44	175,000
Mexico		80	174,000	229	527,000
Sweden		7	94,400	7	94,400
United Kingdom	8111.00.3000	--	--	(4)	2,370
Total		97	389,000	322	1,330,000
Metallic waste and scrap:					
Canada		--	--	242	73,300
Mexico		--	--	2	5,060
Total		--	--	243	78,300
Grand total		2,600	4,880,000	8,910	17,100,000

-- 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 APRIL 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ⁴ code	January–April ^{2,3}			
		Gross weight	Value	Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		21	\$57,100	80	\$260,000
Canada		21	24,000	58	58,600
Japan		40	70,600	40	70,600
Mexico		--	--	16	13,300
Netherlands		16	67,700	32	140,000
St. Lucia		--	--	6	27,800
Total		98	219,000	233	571,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Canada		--	--	1	4,500
Israel		--	--	34	65,400
Total		--	--	35	69,900
More than 2% carbon:	7202.11.0000				
Canada		528	444,000	835	738,000
India		--	--	59	78,000
Total		528	444,000	894	816,000
Ferrosilicon manganese:	7202.30.0000				
Canada		19	22,100	269	310,000
Mexico		--	--	39	73,000
Total		19	22,100	308	383,000
Metal, including alloys and waste and scrap: ⁵	8111.00.0000				
Brazil		--	--	17	881,000
Canada		1	4,760	31	130,000
China		8	2,990	10	14,600
Germany		--	--	59	116,000
India		--	--	20	6,420
Israel		--	--	16	62,500
Japan		13	43,500	13	43,500
Malaysia		401	152,000	2,270	1,130,000
South Africa		--	--	39	197,000
Turkey		--	--	34	12,700
Other [6 countries and (or) localities]		8	343,000	12	436,000
Total		431	546,000	2,520	3,030,000
Grand total		1,080	1,230,000	3,990	4,870,000

-- Zero.

¹Data rounded to no more than three significant digits; may not add to totals shown.

²Presentation of monthly data is based on the January–April quantities of the leading countries.

³May include revisions to previously published data..

⁴Harmonized Tariff Schedule of the United States.

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 2020¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–April ²		Principal sources and destinations: gross weight (metric tons); value (thousands)
					Gross weight (metric tons)	Value (thousands)	
Imports for consumption:							
Manganese oxides other than dioxide	2820.90.0000	1,430	\$1,010	South Africa 821; \$534	4,590	\$3,190	South Africa 2,520; \$1,630
Manganites, manganates, and other permanganates	2841.69.0090	--	--	--	19	37	China 19; \$34
Potassium permanganate	2841.61.0000	24	62	India 24; \$59	194	476	India 186; \$445
Sodium permanganate	2841.69.0010	149	260	China 149; \$260	337	614	China 337; \$614
Other sulfates, including manganese sulfate	2833.29.5100	6,500	5,450	Chile 2,250; \$1,540	25,800	20,000	Mexico 8,940; \$7,150
Exports:							
Manganese dioxide	2820.10.0000	488	600	Canada 277; \$238	2,490	3,050	Canada 1,660; \$1,310
Manganese oxides other than dioxide	2820.90.0000	662	1,090	United Kingdom 133; \$190	1,860	3,670	Taiwan 269; \$303
Manganites, manganates, and other permanganates	2841.69.0090	2	4	Canada 2; \$4	34	89	Canada 32; \$63
Potassium permanganate	2841.61.0000	395	957	Belgium 199; \$479	1,100	2,910	Belgium 506; \$1,190
Sodium permanganate	2841.69.0010	103	230	Belgium 76; \$162	289	852	Belgium 210; \$444
Other sulfates, including manganese sulfate	2833.29.9100	1,970	3,150	Canada 1,400; \$1,200	7,610	12,900	Canada 4,880; \$3,450

-- Zero.

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.