

Mineral Industry Surveys

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MANGANESE IN MARCH 2020

On a gross-weight basis, U.S. imports of manganese ore in March 2020 were 69,600 metric tons (t), an increase from 9,280 t in February 2020 (fig. 1, table 5). Imports for the year through March totaled 79,200 t, 11% less compared with imports in the same period in 2019.

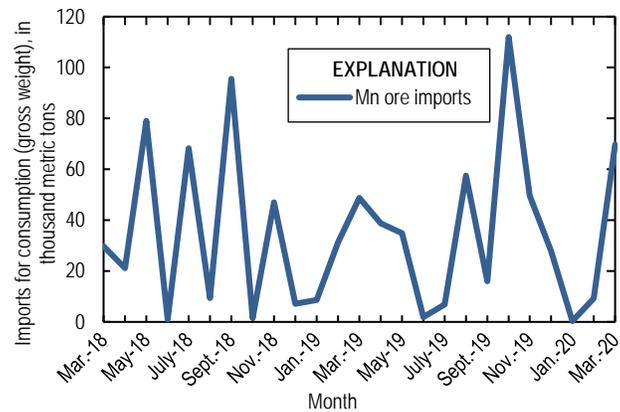


Figure 1. Monthly imports of manganese (Mn) ore from March 2018 through March 2020. Source: U.S. Census Bureau.

In March 2020, the average spot prices for manganese ore deliveries to China were \$4.03 per metric ton unit, 36%–38% grade, and \$4.30 per metric ton unit, 44% grade (fig. 2, table 1). Compared with February 2020 prices, the 36%–38%-grade price was 9% less and the 44%-grade price was 4% less. Compared with the monthly average prices in March 2019, the 36%–38%-

grade price and the 44%-grade price were each 34% less, respectively.

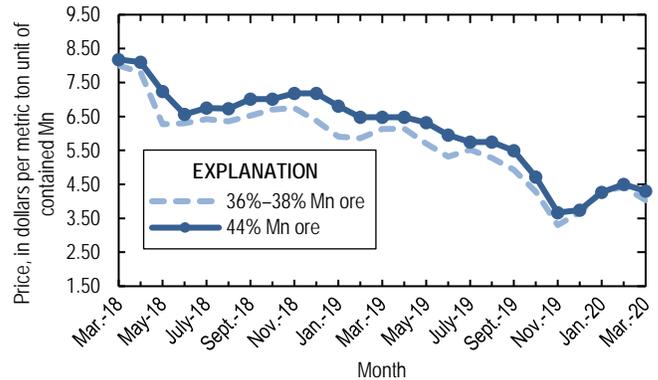


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from March 2018 through March 2020. Source: CRU Group.

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

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	1,107.50	1,141.25	1,175.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	86.50	90.75	95.00
Silicomanganese, 65% manganese	do.	53.75	54.63	55.50
Manganese metal, 99.7% manganese flake ²	cents per pound	102.00	108.67	117.00
Manganese ore:^{3, 4}				
36%–38% manganese	dollars per metric ton unit contained manganese	3.80	4.03	4.40
44% manganese	do.	4.10	4.30	4.70

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:						
March	25,600	59,600 ^r	85,100 ^r	45	1,330	1,370
January–March	42,600	147,000 ^r	189,000 ^r	158	4,870 ^r	5,030 ^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
January–March	34,300	140,000	175,000	68	2,590	2,660

^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 MARCH 2020^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–March ³		
				Gross weight	Contained weight	Value
Australia	7,730	5,100	\$7,910,000	20,600	13,600	\$21,100,000
Georgia	12,400	9,190	13,800,000	35,700	25,400	41,500,000
Korea, Republic of	--	--	--	20	12	39,900
Malaysia	4,560	2,980	4,060,000	8,780	5,720	7,660,000
Mexico	160	103	147,000	355	226	339,000
Norway	1,960	1,190	2,310,000	2,710	1,660	3,340,000
Oman	456	298	417,000	456	298	417,000
Russia	--	--	--	2,850	1,210	2,850,000
South Africa	10,400	6,760	9,880,000	27,300	16,200	25,900,000
Total	37,700	25,600	38,600,000	98,700	64,400	103,000,000

-- 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 MARCH 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Contained weight	Value	January–March ²		
					Gross weight	Contained weight	Value
Low carbon:	7202.19.1000						
China		--	--	--	6	6	\$14,400
Germany		4	4	\$10,600	4	4	10,600
Japan		80	64	120,000	176	139	266,000
Korea, Republic of		500	460	862,000	1,100	1,010	1,930,000
Mexico		--	--	--	18	15	47,200
Norway		4,790	3,910	6,730,000	9,930	8,060	14,400,000
South Africa		25	21	38,500	125	103	197,000
Total		5,400	4,450	7,760,000	11,400	9,330	16,900,000
Medium carbon, 1%–2% C:	7202.19.5000						
Brazil		--	--	--	540	430	497,000
India		54	42	67,500	281	223	388,000
Korea, Republic of		1,500	1,200	1,830,000	8,160	6,530	10,800,000
Mexico		100	75	153,000	120	91	191,000
Norway		39	31	78,200	39	31	78,200
South Africa		4,570	3,660	5,960,000	7,950	6,370	11,300,000
Total		6,260	5,000	8,090,000	17,100	13,700	23,200,000
High carbon:	7202.11.5000						
Australia		--	--	--	12,200	9,340	10,400,000
Brazil		277	206	246,000	682	504	584,000
Canada		21	13	38,900	21	13	38,900
France		--	--	--	256	197	310,000
India		397	299	349,000	639	482	571,000
Korea, Republic of		1,500	1,140	1,200,000	3,000	2,280	2,510,000
Malaysia		6,500	4,930	5,450,000	21,500	16,300	17,900,000
Mexico		--	--	--	1	1	2,310
Russia		5,920	4,440	4,960,000	16,200	12,200	14,000,000
South Africa		2,640	2,020	2,330,000	6,950	5,230	7,140,000
Zambia		--	--	--	238	81	185,000
Total		17,300	13,000	14,600,000	61,700	46,700	53,700,000
Grand total		28,900	22,500	30,400,000	90,100	69,700	93,800,000

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

(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		--	--	--	8,960	1,070	\$1,240,000
South Africa		39,300	15,900	\$5,520,000	39,600	16,100	5,610,000
Total		39,300	15,900	5,520,000	48,600	17,100	6,850,000
47% or more manganese:	2602.00.0060						
Brazil		160	78	127,000	160	78	127,000
Gabon		30,100	15,800	7,130,000	30,100	15,800	7,130,000
Morocco		--	--	--	96	73	43,900
South Africa		100	49	43,900	300	146	132,000
Total		30,400	15,900	7,300,000	30,700	16,100	7,430,000
Grand total		69,600	31,800	12,800,000	79,200	33,200	14,300,000

-- 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 MARCH 2020^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–March ³	
			Gross weight	Value
Brazil	--	--	21	\$36,100
Canada	5	\$20,700	5	20,700
Germany	8	39,400	13	65,500
India	17	35,700	37	69,200
Japan	583	1,320,000	1,450	3,180,000
Mexico	10	17,800	21	35,600
Morocco	137	233,000	180	306,000
Spain	8	12,800	45	76,500
Total	768	1,680,000	1,770	3,790,000

-- 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 MARCH 2020¹

(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		117	\$178,000	528	\$994,000
Japan		(4)	266,000	1	580,000
Singapore		--	--	48	73,200
South Africa		442	849,000	951	1,910,000
Total		559	1,290,000	1,530	3,550,000
Unwrought powder:	8111.00.4910				
China		--	--	58	99,100
Germany		--	--	(4)	6,100
Mexico		6	23,000	45	167,000
South Africa		101	282,000	225	654,000
Total		108	306,000	328	926,000
Unwrought, other:	8111.00.4990				
China		1,120	1,770,000	3,290	5,370,000
Germany		119	235,000	211	413,000
South Africa		282	520,000	441	937,000
Spain		10	15,500	33	54,600
Total		1,530	2,540,000	3,980	6,770,000
Other manganese, wrought:	8111.00.6000				
Germany		11	148,000	32	410,000
Luxembourg		44	175,000	44	175,000
Mexico		39	84,800	149	354,000
United Kingdom		--	--	(4)	2,370
Total		95	409,000	224	941,000
Metallic waste and scrap:	8111.00.3000				
Canada		106	35,300	242	73,300
Mexico		2	5,060	2	5,060
Total		108	40,400	243	78,300
Grand total		2,400	4,590,000	6,300	12,300,000

-- 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.

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 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ⁴ code	Gross weight	Value	January–March ^{2,3}	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		21	\$60,700	60	\$203,000
Canada		37	34,600	37	34,600
Mexico		16	13,300	16	13,300
Netherlands		--	--	16	72,700
St. Lucia		6	27,800	6	27,800
Total		80	136,000	135	352,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Canada		1	4,500	1	4,500
Israel		--	--	34	65,400
Total		1	4,500	35	69,900
More than 2% carbon:	7202.11.0000				
Canada		208	193,000	307	294,000
India		--	--	59	78,000
Total		208	193,000	366	372,000
Ferrosilicon manganese:	7202.30.0000				
Canada		102	116,000	249	288,000
Mexico		20	36,500	39	73,000
Total		122	153,000	289	361,000
Metal, including alloys and waste and scrap: ⁵	8111.00.0000				
Brazil		7	358,000	17	881,000
Canada		7	30,900	30	125,000
China		--	--	2	11,600
Germany		59	116,000	59	116,000
India		--	--	20	6,420
Israel		16	62,500	16	62,500
Malaysia		535	312,000	1,860	975,000
Mexico		--	--	2	56,100
South Africa		39	197,000	39	197,000
Turkey		34	12,700	34	12,700
Other [3 countries and (or) localities]		1	13,600	1	36,600
Total		698	1,100,000	2,090	2,480,000
Grand total		1,110	1,590,000	2,910	3,630,000

-- 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–March 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 MARCH 2020¹

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	749	\$523	Brazil 469; \$309	3,150	\$2,180	South Africa 1,700; \$1,100
Manganites, manganates, and other permanganates	2841.69.0090	--	--	--	19	37	China 19; \$34
Potassium permanganate	2841.61.0000	72	174	India 72; \$174	170	414	India 162; \$387
Sodium permanganate	2841.69.0010	38	66	China 38; \$66	188	354	China 188; \$354
Other sulfates, including manganese sulfate	2833.29.5100	6,970	5,550	India 3,090; \$1,650	19,300	14,500	Mexico 6,800; \$5,310
Exports:							
Manganese dioxide	2820.10.0000	644	730	Canada 428; \$367	2,000	2,450	Canada 1,390; \$1,070
Manganese oxides other than dioxide	2820.90.0000	530	836	Malaysia 133; \$199	1,200	2,580	Poland 161; \$204
Manganites, manganates, and other permanganates	2841.69.0090	12	22	Canada 12; \$22	32	85	Canada 30; \$59
Potassium permanganate	2841.61.0000	348	990	Belgium 180; \$410	709	1,950	Belgium 307; \$716
Sodium permanganate	2841.69.0010	125	356	Belgium 95; \$202	186	621	Belgium 133; \$283
Other sulfates, including manganese sulfate	2833.29.9100	2,250	3,680	Canada 1,250; \$647	5,640	9,740	Canada 3,480; \$2,250

-- 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.