

Mineral Industry Surveys

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MANGANESE IN MAY 2020

On a gross-weight basis, U.S. imports of manganese ore in May 2020 were 41,600 metric tons (t), a 13% decrease from 47,800 t in April 2020 (fig. 1, table 5). Total imports of manganese ore during the first 5 months of 2020 were 169,000 t, 4% more than those during the same period in 2019.

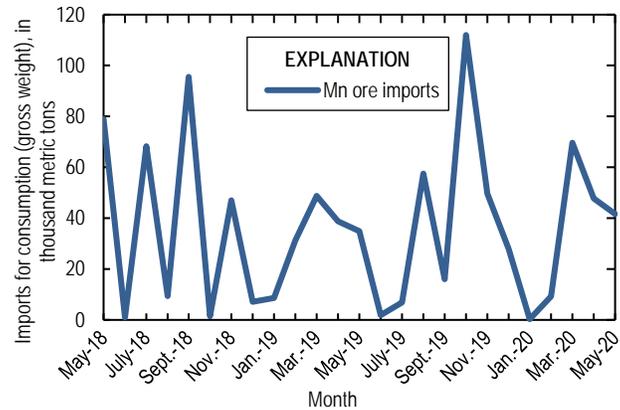


Figure 1. Monthly imports of manganese (Mn) ore from May 2018 through May 2020. Source: U.S. Census Bureau.

In May 2020, the average spot prices for manganese ore deliveries to China were \$6.60 per metric ton unit, 36%–38% grade, and \$6.25 per metric ton unit, 44% grade (fig. 2, table 1). Compared with April 2020 prices, the 36%–38%-grade price was 26% more and the 44%-grade price was 22% more. Compared with the monthly average prices in May 2019, the

36%–38%-grade price was 16% more and the 44%-grade price was slightly less.

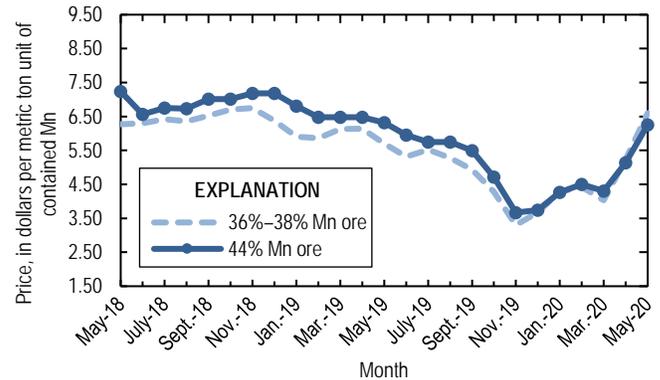


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from May 2018 through May 2020. Source: CRU Group.

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TABLE 1
PRICES FOR MANGANESE FERROALLOYS, METAL, AND ORE IN MAY 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	6.00	6.60	7.00
44% manganese	do.	5.25	6.25	6.60

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:						
May	17,500	59,300	76,800	30 ^r	1,090	1,120
January–May	87,100	252,000 ^r	339,000 ^r	200 ^r	7,100 ^r	7,300 ^r
2020:						
January	460 ^r	51,800	52,300	20	670	690
February	1,530	38,000	39,500	8	980 ^r	990 ^r
March	32,300	50,500	82,700	40	940 ^r	980 ^r
April	27,800	25,600	53,400	49	860	910 ^r
May	21,000	46,400	67,400	120	310	430
January–May	83,100	212,000	295,000	240	3,800	4,000

^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 MAY 2020^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–May ³		
				Gross weight	Mn content	Value
Australia	11,000	7,280	\$10,700,000	31,500	20,900	\$31,800,000
Georgia	12,600	9,290	13,500,000	48,700	35,000	55,400,000
India	25	15	27,700	25	15	27,700
Korea, Republic of	100	71	98,200	120	83	138,000
Malaysia	939	613	764,000	9,720	6,340	8,420,000
Mexico	120	77	110,000	2,370	1,550	2,190,000
Norway	1,590	470	1,970,000	6,870	3,480	8,610,000
Oman	--	--	--	912	595	841,000
Russia	--	--	--	2,850	1,210	2,850,000
South Africa	10,400	6,760	9,880,000	37,700	23,000	35,800,000
Total	36,800	24,600	37,000,000	141,000	92,200	146,000,000

-- 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 MAY 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Contained weight	Value	January–May ²		
					Gross weight	Contained weight	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	351	281	530,000
Korea, Republic of		--	--	--	2,710	2,490	4,730,000
Mexico		--	--	--	18	15	47,200
Norway		1,300	1,050	1,980,000	16,200	13,100	23,700,000
South Africa		38	37	67,100	264	233	437,000
Total		1,430	1,160	2,180,000	19,600	16,200	29,400,000
Medium carbon, 1%–2% C:	7202.19.5000						
Brazil		--	--	--	540	430	497,000
India		--	--	--	301	241	419,000
Korea, Republic of		--	--	--	12,700	10,100	16,200,000
Mexico		125	94	186,000	670	514	991,000
Norway		--	--	--	439	357	609,000
South Africa		19	15	40,000	9,840	7,880	13,900,000
Total		144	109	226,000	24,400	19,500	32,700,000
High carbon, over 4% C:	7202.11.5000						
Australia		8,470	6,450	7,860,000	20,700	15,800	18,300,000
Brazil		150	109	143,000	931	688	819,000
Canada		10	6	17,500	31	20	56,400
France		246	187	273,000	502	384	583,000
India		540	406	486,000	1,460	1,100	1,300,000
Korea, Republic of		--	--	--	3,000	2,280	2,510,000
Malaysia		8,320	6,310	6,720,000	35,100	26,600	28,300,000
Mexico		--	--	--	1	1	2,310
Russia		6,480	4,930	5,800,000	22,600	17,200	19,800,000
Saudi Arabia		100	75	118,000	100	75	118,000
South Africa		--	--	--	12,400	9,360	12,300,000
Zambia		--	--	--	238	81	185,000
Total		24,300	18,500	21,400,000	97,000	73,500	84,300,000
Grand total		25,900	19,700	23,800,000	141,000	109,000	146,000,000

-- 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 MAY 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–May ²		
					Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:	2602.00.0040						
Mexico		11,000	4,160	\$1,750,000	20,000	5,230	\$2,990,000
South Africa		157	74	38,300	40,000	16,200	5,700,000
Total		11,200	4,230	1,790,000	60,000	21,500	8,690,000
47% or more manganese:	2602.00.0060						
Belgium		18	9	21,300	18	9	21,300
Brazil		150	75	64,000	439	216	276,000
Gabon		29,800	16,100	7,890,000	107,000	59,200	25,400,000
Morocco		408	251	178,000	504	324	222,000
South Africa		--	--	--	300	146	132,000
Total		30,400	16,500	8,150,000	109,000	59,900	26,100,000
Grand total		41,600	20,700	9,940,000	169,000	81,400	34,800,000

-- 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 MAY 2020^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–May ³	
			Gross weight	Value
Brazil	18	\$20,100	39	\$56,100
Canada	--	--	5	20,700
China	1	6,480	1	6,480
Germany	--	--	14	75,100
India	--	--	37	69,200
Japan	450	1,110,000	2,440	5,500,000
Mexico	--	--	21	35,600
Morocco	--	--	180	306,000
Spain	--	--	45	76,500
Total	469	1,140,000	2,780	6,140,000

-- 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 MAY 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–May ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		654	\$1,090,000	1,510	\$2,610,000
Japan		(4)	126,000	1	895,000
Singapore		--	--	48	73,200
South Africa		41	89,700	1,240	2,570,000
Total		695	1,310,000	2,790	6,150,000
Unwrought powder:	8111.00.4910				
China		--	--	58	99,100
Germany		--	--	(4)	6,100
Mexico		24	86,000	71	260,000
South Africa		82	170,000	355	964,000
Total		105	256,000	484	1,330,000
Unwrought, other:	8111.00.4990				
Belgium		7	12,800	7	12,800
China		1,150	1,940,000	5,850	9,470,000
Germany		51	101,000	376	760,000
Luxembourg		--	--	306	526,000
South Africa		20	31,900	522	1,090,000
Spain		--	--	33	54,600
Total		1,230	2,090,000	7,090	11,900,000
Other manganese, wrought:	8111.00.6000				
China		60	138,000	60	138,000
Germany		22	295,000	64	826,000
Luxembourg		--	--	44	175,000
Mexico		--	--	229	527,000
Sweden		--	--	7	94,400
United Kingdom		--	--	(4)	2,370
Total		82	433,000	404	1,760,000
Metallic waste and scrap:	8111.00.3000				
Canada		--	--	242	73,300
Japan		(4)	6,850	(4)	6,850
Mexico		--	--	2	5,060
Total		(4)	6,850	243	85,200
Grand total		2,110	4,090,000	11,000	21,200,000

-- 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.

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 MAY 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ⁴ code	January–May ^{2,3}			
		Gross weight	Value	Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		205	\$133,000	285	\$393,000
Canada		20	12,900	79	71,500
Japan		--	--	40	70,600
Mexico		--	--	16	13,300
Netherlands		16	18,200	48	159,000
St. Lucia		--	--	6	27,800
Total		241	164,000	474	735,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Canada		36	55,200	37	59,700
Israel		--	--	34	65,400
Total		36	55,200	71	125,000
More than 2% carbon:	7202.11.0000				
Canada		226	202,000	1,060	940,000
India		--	--	59	78,000
Total		226	202,000	1,120	1,020,000
Ferrosilicon manganese:	7202.30.0000				
Canada		31	37,000	300	347,000
Mexico		--	--	39	73,000
Turkey		1	3,360	1	3,360
Total		32	40,400	339	423,000
Metal, including alloys and waste and scrap: ⁵	8111.00.0000				
Brazil		--	--	17	881,000
Canada		3	12,900	33	143,000
China		--	--	10	14,600
Germany		1	4,960	60	121,000
India		--	--	20	6,420
Israel		--	--	16	62,500
Japan		39	131,000	52	175,000
Malaysia		--	--	2,270	1,130,000
South Africa		--	--	39	197,000
Turkey		39	14,500	73	27,200
Other [8 countries and (or) localities]		4	59,500	16	496,000
Total		86	223,000	2,600	3,250,000
Grand total		621	684,000	4,610	5,550,000

-- 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–May 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 MAY 2020¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–May 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	1,290	\$813	South Africa 619; \$283	5,870	\$4,000	South Africa 3,140; \$1,920
Manganites, manganates, and other permanganates	2841.69.0090	8	135	Korea, Republic of 8; \$135	27	172	China 19; \$34
Potassium permanganate	2841.61.0000	(4)	6	Canada (4); \$6	194	482	India 186; \$445
Sodium permanganate	2841.69.0010	148	258	China 148; \$255	485	873	China 485; \$870
Other sulfates, including manganese sulfate	2833.29.5100	8,440	6,150	Chile 2,550; \$1,770	34,200	26,100	Mexico 11,200; \$8,950
Exports:							
Manganese dioxide	2820.10.0000	331	523	Canada 223; \$215	2,820	3,570	Canada 1,890; \$1,520
Manganese oxides other than dioxide	2820.90.0000	669	1,580	Mexico 175; \$143	2,530	5,250	United Arab Emirates 380; \$571
Manganites, manganates, and other permanganates	2841.69.0090	6	11	Canada 6; \$11	40	100	Canada 38; \$74
Potassium permanganate	2841.61.0000	280	771	Belgium 144; \$350	1,390	3,680	Belgium 650; \$1,540
Sodium permanganate	2841.69.0010	8	41	Korea, Republic of 6; \$19	297	893	Belgium 210; \$444
Other sulfates, including manganese sulfate	2833.29.9100	1,530	2,240	Canada 994; \$726	9,140	15,100	Canada 5,870; \$4,180

¹Data are rounded to no more than three significant digits.

²May include revisions to previously published data.

³Harmonized Tariff Schedule of the United States.

⁴Less than ½ unit.

Source: U.S. Census Bureau.