

Mineral Industry Surveys

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MANGANESE IN JUNE 2019

On a gross-weight basis, U.S. imports of manganese ore in June 2019 decreased to 1,830 metric tons (t) from 34,900 t in May 2019 (fig. 1, table 5). Imports for the year through June totaled 164,000 t, 22% less compared with imports in the same period in 2018.

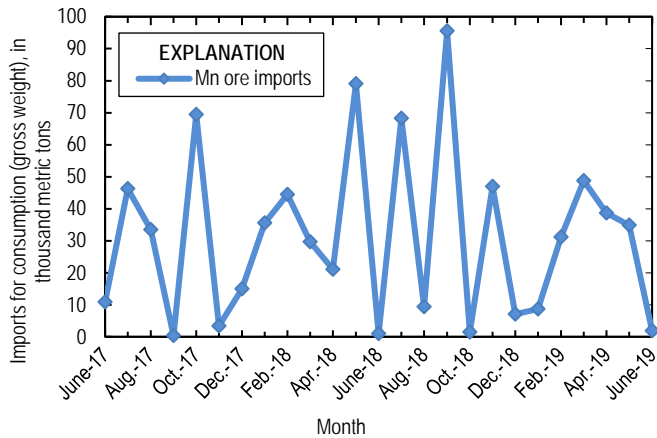


Figure 1. Monthly imports of manganese (Mn) ore from June 2017 through June 2019. Source: U.S. Census Bureau.

In June 2019, the average spot prices for manganese ore deliveries to China were \$5.32 per metric ton unit, 36%–39% grade, and \$5.95 per metric ton unit, 44% grade (fig. 2, table 1). Compared with May 2019 prices, the 36%–39%-grade price was 7% less and the 44%-grade price was 6% less. Compared with

the monthly average prices in June 2018, the 36%–39%-grade price was 16% less and the 44%-grade price was 9% less.

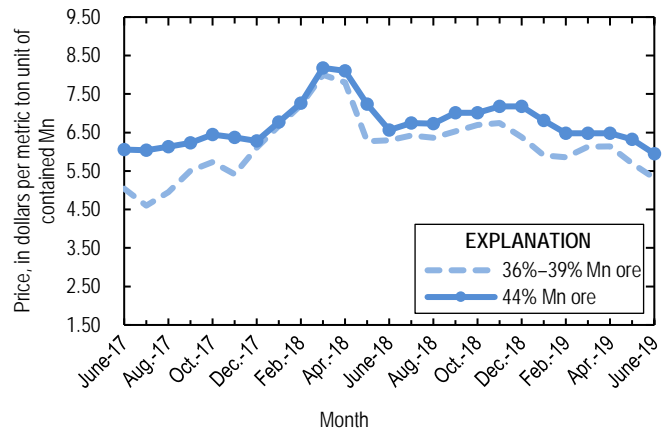


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from June 2017 through June 2019. Source: CRU Group.

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TABLE 1
PRICES FOR MANGANESE FERROALLOYS, METAL, AND ORE IN JUNE 2019

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 75% manganese	dollars per long ton of contained manganese	1,340.00	1,370.00	1,400.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	112.00	113.00	114.00
Silicomanganese, 65% manganese	do.	63.00	64.00	65.00
Manganese metal, 99.7% manganese flake ²	cents per pound	119.00	122.00	125.00
Manganese ore:^{3, 4}				
36%–39% manganese	dollars per metric ton unit contained manganese	5.20	5.32	5.55
44% manganese	do.	5.65	5.95	6.20

do. Ditto.

¹Platts Metals Week; in U.S. warehouse; average prices reported for all transactions during the month.

²CRU Ryan's Notes North American transaction prices, electrolytic manganese metal flake, 99.7% manganese, ex-works; average prices reported for the price range.

³CRU Ryan's Notes, cost and freight, China; average prices reported for the price 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
2018:						
June	753	56,800	57,500	30	1,800	1,830
January–June	98,900	328,000 ^r	427,000 ^r	166	6,310	6,480
2019:						
January	4,670	27,000	31,600	19	1,690	1,710
February	12,300	66,700	79,100	94	1,840	1,930
March	25,600	55,700	81,300	45	1,330	1,370
April	27,000	46,300	73,400	20	1,140	1,160
May	17,500	59,300	76,800	27	1,090	1,120
June	924	50,800	51,700	31	946	977
January–June	88,000	306,000	394,000	235	8,030	8,270

^rRevised.

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

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

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JUNE 2019¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ³	January–June ²		
				Gross weight	Mn content	Customs value ³
Australia	10,100	6,700	\$12,900,000	38,500	25,500	\$48,500,000
Brazil	--	--	--	260	172	290,000
Georgia	1,650	1,210	1,940,000	47,500	35,100	59,700,000
India	147	97	219,000	147	97	219,000
Malaysia	5,490	3,570	5,660,000	16,000	10,400	16,800,000
Mexico	2,720	1,760	3,150,000	11,300	7,360	13,100,000
Norway	2,400	1,440	3,310,000	27,300	18,200	32,000,000
Russia	--	--	--	1	1	2,720
South Africa	6,500	4,230	7,150,000	42,900	27,900	47,200,000
Spain	--	--	--	4,010	2,610	4,590,000
Thailand	--	--	--	25	9	38,800
Zambia	140	92	106,000	140	92	106,000
Total	29,100	19,100	34,400,000	188,000	128,000	223,000,000

-- Zero.

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

²May include revised data that are not broken out by specific month(s).

³Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 4
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JUNE 2019¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ³	January–June ²		
				Gross weight	Mn content	Customs value ³
Low carbon:						
China	204	190	\$408,000	927	871	\$1,810,000
Germany	9	9	23,700	237	220	594,000
Japan	96	75	164,000	577	455	989,000
Korea, Republic of	1,700	1,440	3,120,000	6,740	5,900	13,600,000
Mexico	468	370	713,000	2,160	1,700	3,760,000
Norway	3,800	3,080	6,470,000	25,400	20,600	43,100,000
South Africa	50	41	83,100	282	242	466,000
Spain	1,230	990	2,050,000	4,290	3,450	7,140,000
Total	7,550	6,200	13,000,000	40,600	33,400	71,500,000
Medium carbon, 1%–2% C:						
China	--	--	--	21	16	28,000
India	--	--	--	103	82	164,000
Korea, Republic of	1,000	800	1,650,000	9,850	7,880	15,900,000
Malaysia	--	--	--	21	16	30,700
Mexico	39	30	98,800	3,310	2,580	5,300,000
Norway	1,100	897	1,680,000	6,900	5,610	10,500,000
South Africa	3,880	3,090	6,740,000	12,800	10,200	22,300,000
Spain	--	--	--	300	242	488,000
Total	6,010	4,820	10,200,000	33,300	26,700	54,600,000
High carbon:						
Australia	16,600	12,600	18,600,000	58,900	45,000	65,600,000
Brazil	417	308	445,000	1,320	949	1,430,000
France	490	374	593,000	490	374	593,000
India	--	--	--	200	151	241,000
Korea, Republic of	--	--	--	1,600	1,230	1,940,000
Malaysia	97	64	135,000	26,100	19,700	24,000,000
Mexico	--	--	--	5	4	9,530
Russia	4,840	3,690	4,340,000	16,700	12,700	14,900,000
Saudi Arabia	--	--	--	60	44	98,200
South Africa	1,920	1,440	2,150,000	12,200	9,200	14,000,000
Ukraine	409	311	367,000	5,540	4,210	4,880,000
Total	24,700	18,800	26,700,000	123,000	93,600	128,000,000
Grand total	38,300	29,800	49,900,000	197,000	154,000	254,000,000

-- Zero.

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

²May include revised data that are not broken out by specific month(s).

³Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance and other charges incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 5
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn)
IN JUNE 2019¹

(Metric tons)

Source	Gross weight	Mn content	Customs value ³	January–June ²		
				Gross weight	Mn content	Customs value ³
More than 20%, but less than 47% manganese:						
China	7	3	\$3,600	7	3	\$3,600
Mexico	1,520	577	383,000	8,140	3,050	1,760,000
South Africa	--	--	--	25,000	9,030	4,750,000
Total	1,530	580	386,000	33,200	12,100	6,510,000
47% or more manganese:						
Brazil	107	54	95,400	371	183	272,000
Gabon	--	--	--	130,000	74,100	44,500,000
Morocco	--	--	--	39	22	50,900
South Africa	200	97	87,800	677	328	287,000
Turkey	--	--	--	4	3	2,380
Total	307	151	183,000	131,000	74,600	45,100,000
Grand total	1,830	731	569,000	164,000	86,700	51,600,000

-- Zero.

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

²May include revised data that are not broken out by specific month(s).

³Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE
IN JUNE 2019¹

(Metric tons, gross weight)

Source	Quantity	Customs value ³	January–June ²	
			Quantity	Customs value ³
Belgium	--	--	19	\$86,600
Brazil	--	--	66	112,000
China	--	--	36	84,300
Germany	--	--	20	101,000
Greece	74	\$245	74	245,000
India	--	--	17	30,100
Japan	180	393	1,850	4,100,000
Morocco	67	115	67	115,000
Slovakia	--	--	13	22,500
Total	322	752	2,170	4,890,000

-- Zero.

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

²May include revised data that are not broken out by specific month(s).

³Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the material into the United States.

Source: U.S. Census Bureau.

TABLE 7
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL
IN JUNE 2019¹

(Metric tons)

Source	Gross weight	Customs value ³	January–June ²	
			Gross weight	Customs value ³
Unwrought flake:				
China	196	\$355,000	5,240	\$10,400,000
Gabon	--	--	50	122,000
Hong Kong	--	--	33	66,300
Japan	(4)	63,000	1	1,110,000
Mexico	--	--	1	2,890
South Africa	308	803,000	2,300	6,180,000
Total	504	1,220,000	7,630	17,900,000
Unwrought powder:				
China	--	--	60	146,000
Mexico	34	126,000	118	452,000
South Africa	141	396,000	804	2,270,000
Total	174	522,000	982	2,870,000
Unwrought, other:				
Belgium	23	50,400	23	50,400
China	975	1,870,000	13,400	27,100,000
Germany	44	101,000	1,310	3,110,000
Japan	(4)	6,260	(4)	6,260
Poland	--	--	(4)	6,310
South Africa	--	--	531	1,360,000
Spain	--	--	132	226,000
Total	1,040	2,030,000	15,400	31,900,000
Other manganese, wrought:				
Austria	--	--	(4)	6,040
China	--	--	(4)	27,300
Germany	36	448,000	209	2,530,000
Japan	(4)	8,660	(4)	20,500
Mexico	39	127,000	240	719,000
Sweden	--	--	2	23,300
United Kingdom	--	--	(4)	2,090
Total	76	583,000	451	3,330,000
Metallic waste and scrap, Canada	121	31,200	261	79,200
Grand total	1,920	4,380,000	24,700	56,100,000

-- Zero.

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

²May include revised data that are not broken out by specific month(s).

³Customs value generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the material into 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 JUNE 2019^{1,2}

Source	Gross weight (metric tons)	F.a.s. ⁴ value (thousands)	January–June ³	
			Gross weight (metric tons)	F.a.s. ⁴ value (thousands)
Ore and concentrates with 20% or more manganese:				
Bahamas	--	--	6	\$6
Canada	62	\$64	174	174
India	--	--	(5)	5
Mexico	--	--	14	13
Netherlands	--	--	203	412
Singapore	--	--	73	120
Total	62	64	470	730
Ferromanganese:				
2% or less carbon:				
Canada	55	105	1,120	2,000
China	--	--	24	47
United Kingdom	2	3	29	55
Other [6 countries and (or) localities]	10	19	30	57
Total	67	127	1,200	2,160
More than 2% carbon:				
Canada	--	--	3,440	4,420
China	--	--	16	46
Hong Kong	1	3	1	3
United Kingdom	--	--	26	73
Total	1	3	3,490	4,540
Silicomanganese:				
Canada	--	--	79	99
Mexico	--	--	4	9
Total	--	--	83	108
Metal, including alloys and waste and scrap:⁶				
Canada	4	33	62	234
China	--	--	1	12
Colombia	5	22	5	22
Costa Rica	(5)	5	(5)	24
Germany	--	--	(5)	5
Guatemala	--	--	2	19
Hungary	--	--	(5)	4
India	--	--	131	48
Jamaica	--	--	3	13
Japan	30	110	69	255
Malaysia	626	356	3,310	1,610
Mexico	4	19	40	330
New Zealand	--	--	(5)	5
Norway	--	--	17	67
Pakistan	223	62	625	181
Peru	--	--	2	14
Total	892	607	4,270	2,840
Grand total	1,020	801	9,520	10,400

-- Zero.

¹Presentation of monthly data is based on the "January–June" quantities of the leading countries.

²Data rounded to no more than three significant digits; may not add to totals shown.

³May include revised data that are not broken out by specific month(s).

⁴Free alongside ship.

⁵Less than ½ unit.

⁶Includes manganese-aluminum, other alloys, and waste and scrap.

Source: U.S. Census Bureau.

TABLE 9
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS
IN JUNE 2019, BY CLASS¹

Class	Gross weight (metric tons)	Value ² (thousands)	Principal sources and destinations: gross weight (metric tons); value ² (thousands)	January–June ²		
				Gross weight (metric tons)	Value ² (thousands)	Principal sources and destinations: gross weight (metric tons); value ² (thousands)
Imports for consumption:						
Manganese oxides other than dioxide	925	\$736	South Africa 552; \$403	9,200	\$6,650	South Africa 4,290; \$2,550
Manganites, manganates, and other permanganates	(³)	4	Republic of Korea (³); \$4	19	47	China 19; \$44
Potassium permanganate	109	270	India 109; \$264	633	1,610	India 626; \$1,580
Sodium permanganate	80	172	China 80; \$172	462	1,050	China 443; \$996
Sulfates, basket category, including manganese sulfate	4,490	4,040	Mexico 1,900; \$1,4670	27,500	24,200	Mexico 12,100; \$8,840
Exports:						
Manganese dioxide	317	474	United Kingdom 135; \$155	2,710	4,830	Canada 1,370; \$1,370
Manganese oxides other than dioxide	181	486	Poland 60; \$79	2,560	4,990	Poland 421; \$551
Manganites, manganates, and other permanganates	31	81	Canada 31; \$60	108	313	Canada 69; \$136
Potassium permanganate	219	636	Spain 92; \$217	1,960	5,350	Belgium 868; \$2,100
Sodium permanganate	90	239	Brazil 37; \$99	370	908	Belgium 229; \$496
Sulfates, basket category, including manganese sulfate	2,080	3,660	Canada 1,510; \$810	11,600	18,000	Canada 8,690; \$5,640

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

²For imports, customs value; for exports, free alongside ship value.

³Less than ½ unit.

Source: U.S. Census Bureau.