

Mineral Industry Surveys

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MANGANESE IN SEPTEMBER 2020

On a gross-weight basis, U.S. imports of manganese ore in September 2020 were 13,500 metric tons (t), a decrease from 36,400 t in August 2020 (fig. 1, table 5). Total imports of manganese ore during the first 9 months of 2020 were 231,000 t, 5% less than those during the same period in 2019.

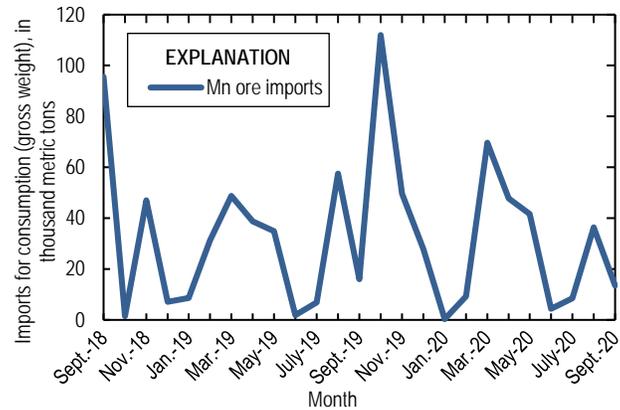


Figure 1. Monthly imports of manganese (Mn) ore from September 2018 through September 2020. Source: U.S. Census Bureau.

In September 2020, the average spot prices for manganese ore deliveries to China were \$4.30 per metric ton unit, 36%–38% grade, and \$4.33 per metric ton unit, 44% grade (fig. 2, table 1). Compared with August 2020 prices, the 36%–38%-grade price was 6% more and the 44%-grade price was 7% more. Compared with the monthly average prices in September 2019, the 36%–

38%-grade price was 13% less and the 44%-grade price was 21% less.

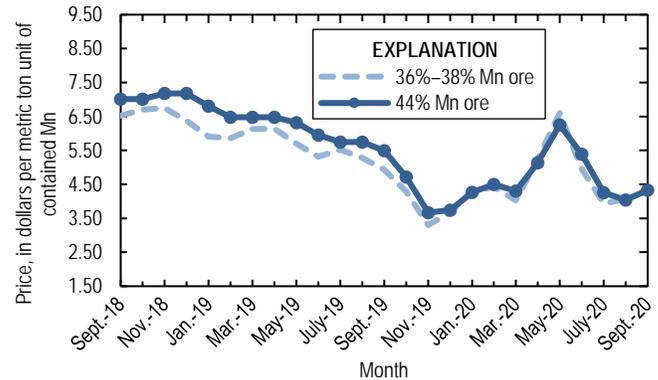


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from September 2018 through September 2020. Source: CRU Group.

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

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	1,090.00	1,117.50	1,145.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	87.00	91.00	95.00
Silicomanganese, 65% manganese	do.	49.70	50.25	50.80
Manganese metal, 99.7% manganese flake ²	cents per pound	89.00	91.50	94.00
Manganese ore:^{3,4}				
36%-38% manganese	dollars per metric ton unit contained manganese	4.15	4.30	4.38
44% manganese	do.	4.00	4.33	4.47

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:						
September	10,100	45,100	55,100	76	1,330	1,410
January–September	132,000	430,000 ^r	562,000 ^r	419	12,200	12,700 ^r
2020:						
January	460	51,800	52,300	20	670	690
February	1,530	38,000	39,500	8	980	990
March	32,300	50,500	82,700	40	940	980
April	27,800	25,600	53,400	49	860	910
May	21,000	46,400	67,400	121 ^r	310	430
June	2,310	15,000	17,300	18	720	740
July	2,060	6,110	8,170	38	1,750	1,790
August	18,500	12,300	30,800	43	1,130	1,170
September	10,500	25,500	36,000	34	760	800
January–September	116,000	271,000	388,000	370	8,130	8,500

^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 SEPTEMBER 2020^{1,2}

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Value	January–September ³		
				Gross weight	Mn content	Value
Australia	7,810	5,150	\$6,980,000	47,900	31,600	\$46,800,000
Brazil	489	318	411,000	901	588	802,000
Georgia	637	451	602,000	51,100	36,700	57,700,000
India	--	--	--	25	15	27,700
Kazakhstan	--	--	--	24	16	20,700
Korea, Republic of	--	--	--	220	153	227,000
Malaysia	19	12	15,300	10,600	6,920	9,140,000
Mexico	2,570	1,810	2,560,000	9,070	6,040	8,390,000
Norway	1,020	298	1,190,000	12,000	5,930	14,400,000
Oman	--	--	--	1,390	912	1,320,000
Russia	--	--	--	2,850	1,210	2,850,000
South Africa	5,300	3,450	5,040,000	43,000	26,400	40,900,000
Total	17,900	11,500	16,800,000	179,000	117,000	183,000,000

-- 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 SEPTEMBER 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ⁴ code	Gross weight	Mn content	Value	January–September ^{2, 3}		
					Gross weight	Mn content	Value
Low carbon, less than 1% C:	7202.19.1000						
China		169	137	\$285,000	175	143	\$300,000
Germany		--	--	--	4	4	10,600
Japan		104	83	153,000	582	467	876,000
Korea, Republic of		1,000	921	1,820,000	5,010	4,610	9,000,000
Mexico		--	--	--	318	253	461,000
Norway		1,820	1,450	2,450,000	20,700	16,700	29,600,000
South Africa		198	190	322,000	694	644	1,160,000
Total		3,290	2,780	5,030,000	27,400	22,800	41,400,000
Medium carbon, 1%–2% C:	7202.19.5000						
Brazil		--	--	--	540	430	497,000
India		--	--	--	301	241	419,000
Korea, Republic of		1,020	800	1,190,000	17,700	14,100	22,400,000
Mexico		5	4	13,100	975	743	1,480,000
Norway		158	126	341,000	897	726	1,290,000
South Africa		20	15	39,900	9,890	7,920	14,000,000
Total		1,200	945	1,580,000	30,300	24,200	40,200,000
High carbon, over 4% C:	7202.11.5000						
Australia		10,200	7,750	9,430,000	30,800	23,500	27,700,000
Brazil		96	71	79,200	1,360	988	1,200,000
France		--	--	--	748	571	857,000
India		183	135	188,000	1,930	1,450	1,770,000
Korea, Republic of		--	--	--	3,090	2,290	2,610,000
Malaysia		20	13	34,300	40,500	30,700	32,500,000
Russia		--	--	--	22,600	17,200	19,800,000
Saudi Arabia		--	--	--	100	75	118,000
South Africa		3	2	5,040	17,100	12,900	16,700,000
Zambia		--	--	--	238	81	185,000
Other [3 countries and (or) localities]		--	--	--	35	22	63,200
Total		10,500	7,970	9,730,000	119,000	89,800	103,000,000
Grand total		14,900	11,700	16,300,000	176,000	137,000	185,000,000

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

³May include revisions to previously published data.

⁴Harmonized 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 SEPTEMBER 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–September ²		
					Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:	2602.00.0040						
Mexico		3,040	1,090	\$683,000	35,400	10,000	\$7,430,000
South Africa		260	120	65,800	41,400	16,900	6,050,000
Total		3,300	1,210	749,000	76,700	26,900	13,500,000
47% or more manganese:	2602.00.0060						
Belgium		--	--	--	18	9	21,300
Brazil		--	--	--	488	241	312,000
France		17	8	21,300	17	8	21,300
Gabon		15	12	3,460,000	143,000	77,100	38,000,000
Mexico		10,000	9,000	1,310,000	10,000	9,010	3,310,000
Morocco		192	121	85,000	936	588	415,000
South Africa		--	--	--	600	291	263,000
Ukraine		--	--	--	31	15	2,510,000
Total		10,200	9,140	4,870,000	155,000	87,300	44,900,000
Grand total		13,500	10,400	5,620,000	231,000	114,000	58,400,000

-- 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.

Source: U.S. Census Bureau.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE
IN SEPTEMBER 2020^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–September ³	
			Gross weight	Value
Belgium	6	\$34,700	43	\$213,000
Brazil	17	20,100	67	94,300
Canada	--	--	5	20,700
China	--	--	1	6,480
Germany	--	--	14	75,100
Greece	99	236,000	149	353,000
India	--	--	37	69,200
Japan	90	210,000	3,080	7,080,000
Mexico	--	--	52	89,000
Morocco	--	--	199	338,000
Spain	21	35,000	127	216,000
Total	233	535,000	3,780	8,560,000

-- 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 SEPTEMBER 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–September ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		87	\$134,000	1,860	\$3,250,000
Japan		(4)	126,000	1	1,490,000
Singapore		--	--	48	73,200
South Africa		218	398,000	1,780	3,670,000
Total		305	658,000	3,680	8,480,000
Unwrought powder:	8111.00.4910				
China		96	157,000	175	319,000
Germany		--	--	(4)	6,100
Mexico		--	--	86	317,000
South Africa		162	350,000	762	1,860,000
Total		259	507,000	1,020	2,500,000
Unwrought, other:	8111.00.4990				
Belgium		--	--	56	106,000
China		1,690	2,510,000	10,100	16,100,000
Germany		8	18,600	628	1,240,000
Luxembourg		--	--	306	526,000
Poland		--	--	(4)	6,150
South Africa		--	--	799	1,610,000
Spain		--	--	33	54,600
Total		1,700	2,530,000	12,000	19,600,000
Other manganese, wrought:	8111.00.6000				
China		--	--	486	936,000
Germany		11	157,000	127	1,710,000
Japan		--	--	(4)	11,300
Luxembourg		--	--	44	175,000
Mexico		2	7,080	271	620,000
Sweden		8	114,000	36	491,000
United Kingdom		--	--	(4)	4,730
Total		21	278,000	965	3,950,000
Metallic waste and scrap:	8111.00.3000				
Canada		35	11,400	416	119,000
Japan		--	--	(4)	6,850
Mexico		--	--	2	5,060
Total		35	11,400	418	131,000
Grand total		2,320	3,980,000	18,100	34,700,000

-- 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 SEPTEMBER 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ⁴ code	Gross weight	Value	January–September ^{2,3}	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		--	--	305	\$450,000
Canada		63	\$59,800	255	242,000
Ireland		2	8,860	3	19,300
Japan		--	--	40	70,600
Mexico		4	8,470	27	28,900
Netherlands		--	--	64	241,000
St. Lucia		--	--	6	27,800
United Kingdom		--	--	40	25,300
Total		68	77,100	741	1,110,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Canada		--	--	1,070	1,490,000
Dominican Republic		--	--	10	24,900
Israel		5	9,980	40	75,400
Mexico		2	4,210	2	4,210
South Africa		8	14,400	8	14,400
Total		15	28,600	1,130	1,610,000
More than 2% carbon:	7202.11.0000				
Canada		239	311,000	1,600	1,610,000
Costa Rica		--	--	3	12,300
India		--	--	59	78,000
Total		239	311,000	1,670	1,700,000
Ferrosilicon manganese:	7202.30.0000				
Canada		80	94,200	1,230	1,500,000
Mexico		--	--	78	146,000
Turkey		--	--	1	3,360
Total		80	94,200	1,310	1,650,000
Metal, including alloys and waste and scrap:⁵	8111.00.0000				
Australia		49	18,000	49	26,500
Brazil		--	--	17	881,000
Canada		--	--	40	174,000
France		--	--	18	6,530
Germany		--	--	76	127,000
India		22	7,850	511	197,000
Japan		--	--	52	177,000
Malaysia		433	141,000	4,060	1,860,000
South Africa		--	--	39	197,000
Turkey		--	--	152	56,400
Other [11 countries and (or) localities]		4	62,500	52	711,000
Total		508	229,000	5,070	4,410,000
Grand total		910	740,000	9,910	10,500,000

-- 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–September quantities (gross weight) 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 SEPTEMBER 2020¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–September 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	3,790	\$1,050	South Africa 3,100; \$546.	14,000	\$8,310	South Africa 8,010; \$3,610.
Manganites, manganates, and other permanganates	2841.69.0090	--	--	--	96	539	China 38; \$67.
Potassium permanganate	2841.61.0000	127	316	India 127; \$316.	559	1,390	India 547; \$1,302.
Sodium permanganate	2841.69.0010	94	151	China 94; \$151.	914	1,610	China 896; \$1,563.
Other sulfates, including manganese sulfate	2833.29.5100	8,050	4,330	China 3,560; \$1,670.	60,000	42,700	Mexico 18,900; \$13,400.
Exports:							
Manganese dioxide	2820.10.0000	613	650	Canada 404; \$289.	4,690	5,950	Canada 3,030; \$2,470.
Manganese oxides other than dioxide	2820.90.0000	316	658	United Arab Emirates 95; \$136.	3,930	7,950	United Arab Emirates 855; \$1,250.
Manganites, manganates, and other permanganates	2841.69.0090	23	42	Mexico 19; \$34.	125	266	Canada 85; \$166.
Potassium permanganate	2841.61.0000	300	825	Belgium 140; \$336.	2,240	6,180	Belgium 881; \$2,100.
Sodium permanganate	2841.69.0010	102	221	Belgium 96; \$202.	427	1,220	Belgium 305; \$646.
Other sulfates, including manganese sulfate	2833.29.9100	1,860	2,900	Canada 1,520; \$1,330.	15,800	26,400	Canada 10,500; \$7,880.

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.