

Mineral Industry Surveys

For information, contact:

Emily K. Schnebele, Acting Manganese Commodity Specialist
 National Minerals Information Center
 U.S. Geological Survey
 989 National Center
 Reston, VA 20192
 Telephone: (703) 648-4945, Fax: (703) 648-7757
 Email: eschnebele@usgs.gov

Benjamin N. Bryden (Data)
 Telephone: (703) 648-7953
 Fax: (703) 648-7975
 Email: bbryden@usgs.gov

Internet: <https://www.usgs.gov/centers/nmic>

MANGANESE IN OCTOBER 2020

On a gross-weight basis, U.S. imports of manganese ore in October 2020 were 50,600 metric tons (t), an increase from 13,500 t in September 2020 (fig. 1, table 5). Total imports of manganese ore during the first 10 months of 2020 were 282,000 t, 21% less than those during the same period in 2019 (357,000 t).

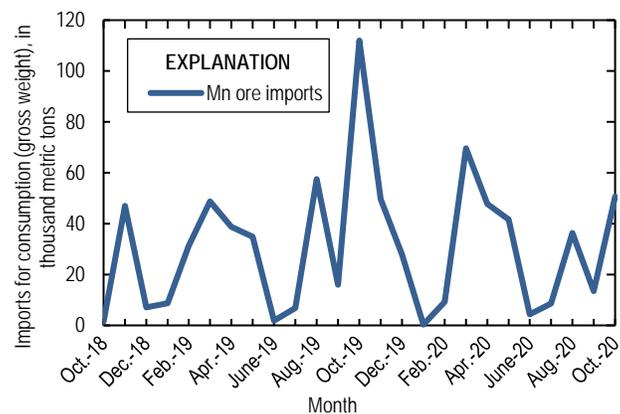


Figure 1. Monthly imports of manganese (Mn) ore from October 2018 through October 2020. Source: U.S. Census Bureau.

In October 2020, the average spot prices for manganese ore deliveries to China were \$4.10 per metric ton unit, 36%–38% grade, and \$4.35 per metric ton unit, 44% grade (fig. 2, table 1). Compared with September 2020 prices, the 36%–38%-grade price was 5% less and the 44%-grade price was essentially

unchanged. Compared with the monthly average prices in October 2019, the 36%–38%-grade price was 4% less and the 44%-grade price was 8% less.

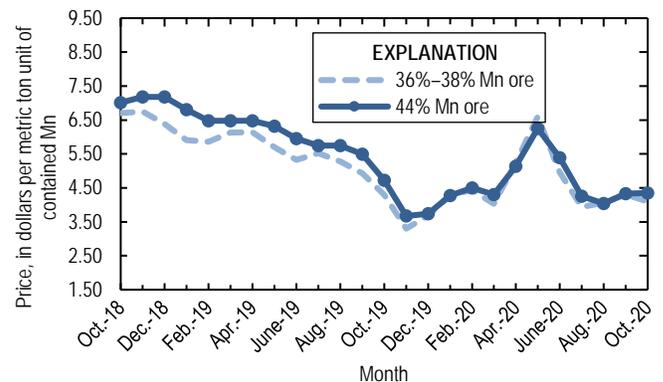


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from October 2018 through October 2020. Source: CRU Group.

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

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	1,090.00	1,120.00	1,150.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	87.00	91.00	95.00
Silicomanganese, 65% manganese	do.	51.00	51.75	52.50
Manganese metal, 99.7% manganese flake ²	cents per pound	89.00	91.83	94.00
Manganese ore:^{3,4}				
36%-38% manganese	dollars per metric ton unit contained manganese	3.88	4.10	4.38
44% manganese	do.	4.30	4.35	4.40

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:						
October	71,800	23,200	95,000	69	950 ^r	1,020
January–October	204,000	453,000 ^r	657,000 ^r	487 ^r	13,200	13,700
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	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
October	32,100	29,700	61,800	20	900	920
January–October	149,000	301,000	449,000	390	9,030	9,420

^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 OCTOBER 2020^{1,2}

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Value	January–October ³		
				Gross weight	Mn content	Value
Australia	--	--	--	47,900	31,600	\$46,800,000
Brazil	--	--	--	901	588	802,000
Georgia	15,500	11,500	\$16,100,000	66,700	48,200	73,900,000
India	--	--	--	25	15	27,700
Kazakhstan	--	--	--	24	16	20,700
Korea, Republic of	--	--	--	220	153	227,000
Malaysia	--	--	--	10,600	6,920	9,140,000
Mexico	1,500	985	1,350,000	10,600	7,020	9,740,000
Norway	640	388	721,000	12,600	6,310	15,100,000
Oman	--	--	--	1,390	912	1,320,000
Russia	--	--	--	2,850	1,210	2,850,000
South Africa	6,400	4,160	5,760,000	49,400	30,600	46,600,000
Total	24,100	17,000	24,000,000	203,000	134,000	207,000,000

-- 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 OCTOBER 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ⁴ code	Gross weight	Mn content	Value	January–October ^{2,3}		
					Gross weight	Mn content	Value
Low carbon, less than 1% C:	7202.19.1000						
China		165	134	\$278,000	340	277	\$578,000
Germany		--	--	--	4	4	10,600
Iceland		45	36	75,800	45	36	75,800
Japan		88	71	122,000	670	537	998,000
Korea, Republic of		--	--	--	5,010	4,610	9,000,000
Mexico		--	--	--	318	253	461,000
Norway		1,620	1,320	2,180,000	22,300	18,000	31,800,000
South Africa		163	154	278,000	857	798	1,440,000
Total		2,080	1,710	2,940,000	29,500	24,500	44,400,000
Medium carbon, 1%–2% C:	7202.19.5000						
Brazil		--	--	--	540	430	497,000
India		--	--	--	301	241	419,000
Korea, Republic of		--	--	--	17,700	14,100	22,400,000
Mexico		24	18	47,400	1,000	762	1,530,000
Norway		900	735	1,010,000	1,800	1,460	2,300,000
South Africa		44	35	95,200	9,940	7,960	14,100,000
Total		969	789	1,150,000	31,300	25,000	41,300,000
High carbon, over 4% C:	7202.11.5000						
Australia		--	--	--	30,800	23,500	27,700,000
Brazil		498	366	364,000	1,850	1,350	1,560,000
France		--	--	--	748	571	857,000
India		363	278	259,000	2,290	1,730	2,030,000
Korea, Republic of		--	--	--	3,090	2,290	2,610,000
Malaysia		6,500	4,940	4,860,000	47,000	35,700	37,300,000
Russia		1,490	1,140	1,260,000	24,100	18,300	21,100,000
Saudi Arabia		--	--	--	100	75	118,000
South Africa		54	3	88,900	17,200	12,900	16,800,000
Zambia		--	--	--	238	81	185,000
Other [3 countries and (or) localities]		--	--	--	35	22	63,200
Total		8,900	6,730	6,830,000	128,000	96,500	110,000,000
Grand total		11,900	9,230	10,900,000	188,000	146,000	196,000,000

-- 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–October (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 OCTOBER 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–October ²		
					Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:	2602.00.0040						
Mexico		--	--	--	35,400	10,000	\$7,430,000
South Africa		12,500	4,620	\$1,870,000	53,900	21,500	7,920,000
Spain		20	9	7,420	20	9	7,420
Total		12,500	4,630	1,880,000	89,300	31,600	15,400,000
47% or more manganese:	2602.00.0060						
Belgium		--	--	--	18	9	21,300
Brazil		--	--	--	488	241	312,000
France		--	--	--	17	8	21,300
Gabon		37,700	27,100	11,700,000	180,000	104,000	49,700,000
Mexico		--	--	--	10,000	9,010	3,310,000
Morocco		264	174	96,000	1,200	762	511,000
South Africa		--	--	--	600	291	263,000
Ukraine		--	--	--	31	15	2,510,000
Total		38,000	27,300	11,800,000	193,000	115,000	56,700,000
Grand total		50,600	31,900	13,700,000	282,000	146,000	72,000,000

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

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–October ³	
			Gross weight	Value
Belgium	5	\$12,900	48	\$226,000
Brazil	17	20,100	84	114,000
Canada	--	--	5	20,700
China	--	--	1	6,480
Germany	--	--	14	75,100
Greece	50	118,000	198	471,000
India	10	16,800	47	86,000
Japan	144	308,000	3,230	7,390,000
Mexico	10	17,800	63	107,000
Morocco	--	--	199	338,000
Spain	34	58,100	162	275,000
Total	270	551,000	4,050	9,110,000

-- 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 OCTOBER 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–October ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		--	--	1,860	\$3,250,000
Japan		(4)	\$87,800	2	1,580,000
Singapore		--	--	48	73,200
South Africa		1,200	2,040,000	2,970	5,710,000
Total		1,200	2,130,000	4,880	10,600,000
Unwrought powder:	8111.00.4910				
China		19	8,680	194	328,000
Germany		--	--	(4)	6,100
Mexico		--	--	86	317,000
South Africa		20	62,200	782	1,920,000
Total		39	70,800	1,060	2,570,000
Unwrought, other:	8111.00.4990				
Belgium		--	--	56	106,000
China		2,160	3,280,000	12,300	19,400,000
Germany		39	74,300	668	1,320,000
Luxembourg		--	--	306	526,000
Poland		--	--	(4)	6,150
South Africa		--	--	799	1,610,000
Spain		--	--	33	54,600
Total		2,200	3,350,000	14,200	23,000,000
Other manganese, wrought:	8111.00.6000				
China		--	--	486	936,000
Germany		6	91,100	134	1,800,000
Japan		--	--	(4)	11,300
Luxembourg		--	--	44	175,000
Mexico		34	134,000	305	754,000
Sweden		--	--	36	491,000
United Kingdom		--	--	(4)	4,730
Total		41	225,000	1,010	4,170,000
Metallic waste and scrap:	8111.00.3000				
Canada		--	--	416	119,000
Japan		--	--	(4)	6,850
Mexico		--	--	2	5,060
Total		--	--	418	131,000
Grand total		3,470	5,780,000	21,500	40,500,000

-- 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 OCTOBER 2020¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ⁴ code	Gross weight	Value	January–October ^{2,3}	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		--	--	305	\$450,000
Canada		--	--	255	242,000
India		40	\$34,300	40	34,300
Ireland		--	--	3	19,300
Japan		--	--	40	70,600
Mexico		--	--	27	28,900
Netherlands		--	--	64	241,000
St. Lucia		--	--	6	27,800
United Kingdom		--	--	40	25,300
Total		40	34,300	780	1,140,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Canada		6	8,500	1,070	1,500,000
Dominican Republic		--	--	10	24,900
Israel		--	--	40	75,400
Mexico		--	--	2	4,210
South Africa		--	--	8	14,400
Total		6	8,500	1,130	1,610,000
More than 2% carbon:	7202.11.0000				
Canada		717	834,000	2,320	2,440,000
Costa Rica		--	--	3	12,300
India		--	--	59	78,000
Total		717	834,000	2,380	2,530,000
Ferrosilicon manganese:	7202.30.0000				
Canada		121	141,000	1,350	1,640,000
Mexico		--	--	78	146,000
Turkey		--	--	1	3,360
Total		121	141,000	1,430	1,790,000
Metal, including alloys and waste and scrap:⁵	8111.00.0000				
Australia		--	--	49	26,500
Brazil		--	--	17	881,000
Canada		11	31,100	51	205,000
France		--	--	18	6,530
Germany		--	--	76	127,000
India		--	--	511	197,000
Japan		--	--	52	177,000
Malaysia		241	149,000	4,300	2,010,000
South Africa		--	--	39	197,000
Turkey		--	--	152	56,400
Other [12 countries and (or) localities]		1	20,700	52	732,000
Total		253	200,000	5,320	4,610,000
Grand total		1,140	1,220,000	11,100	11,700,000

-- 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–October 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 OCTOBER 2020¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–October 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	1,610	\$1,100	India 516; \$340.	15,700	\$9,410	South Africa 8,400; \$3,820.
Manganites, manganates, and other permanganates	2841.69.0090	14	26	Canada 14; \$26.	110	565	China 38; \$67.
Potassium permanganate	2841.61.0000	97	226	India 90; \$208.	656	1,610	India 637; \$1,510.
Sodium permanganate	2841.69.0010	56	105	China 38; \$63.	970	1,710	China 934; \$1,630.
Other sulfates, including manganese sulfate	2833.29.5100	6,280	3,830	India 2,290; \$1,330.	66,200	46,600	Mexico 21,100; \$14,700.
Exports:							
Manganese dioxide	2820.10.0000	479	715	Canada 328; \$281.	5,170	6,670	Canada 3,360; \$2,760.
Manganese oxides other than dioxide	2820.90.0000	570	922	United Arab Emirates 114; \$163.	4,500	8,870	United Arab Emirates 969; \$1,410.
Manganites, manganates, and other permanganates	2841.69.0090	20	40	Canada 20; \$40.	145	306	Canada 105; \$206.
Potassium permanganate	2841.61.0000	193	571	Belgium 144; \$352.	2,430	6,750	Belgium 1,030; \$2,450.
Sodium permanganate	2841.69.0010	2	8	Singapore 2; \$8.	428	1,220	Belgium 305; \$646.
Other sulfates, including manganese sulfate	2833.29.9100	2,410	3,180	Canada 1,970; \$1,380.	18,200	29,600	Canada 12,500; \$9,260.

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.