

Mineral Industry Surveys

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MANGANESE IN FEBRUARY 2021

On a gross-weight basis, U.S. imports of manganese ore in February 2021 were 49,200 metric tons (t), an increase from 694 t in January 2021 (fig. 1, table 5).

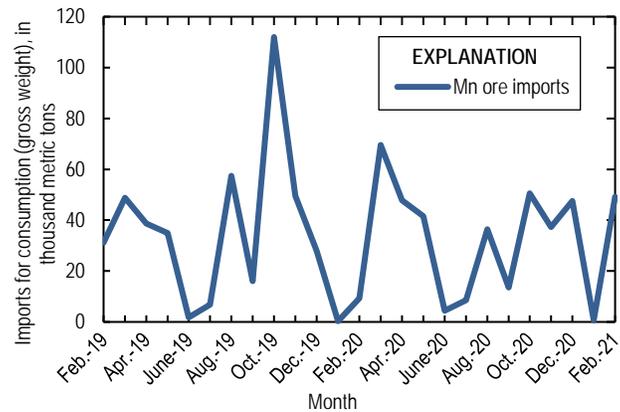


Figure 1. Monthly imports of manganese (Mn) ore from February 2019 through February 2021. Source: U.S. Census Bureau.

Prices

In February 2021, the average spot prices for manganese ore deliveries to China were \$4.78 per metric ton unit, 36%–38% grade, and \$5.15 per metric ton unit, 44% grade, 4% and 8% more, respectively, than the January 2021 prices (fig. 2, table 1). Compared with the monthly average prices in February 2020,

the 36%–38%-grade price was 8% more and the 44%-grade price was 14% more.

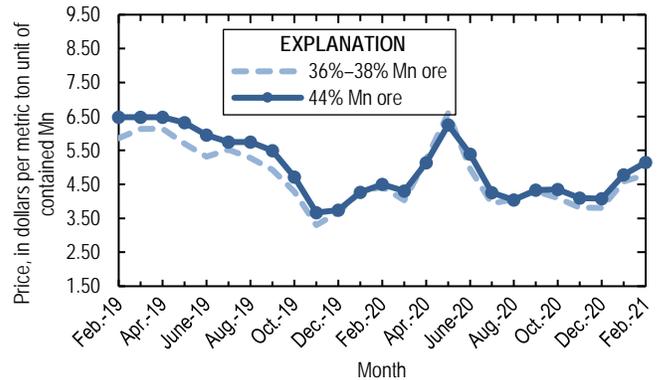


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from February 2019 through February 2021. Source: CRU Group.

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TABLE 1
PRICES FOR MANGANESE FERROALLOYS, METAL, AND ORE IN FEBRUARY 2021

		Low	Average	High
Manganese ferroalloys:¹				
High-carbon ferromanganese, 76% manganese	dollars per long ton of contained manganese	1,600.00	1,625.00	1,650.00
Medium-carbon ferromanganese, 85% manganese	cents per pound of contained manganese	111.25	112.63	114.00
Silicomanganese, 65% manganese	do.	68.00	69.00	70.00
Manganese metal, 99.7% manganese flake ²	cents per pound	131.00	138.00	145.00
Manganese ore:^{3,4}				
36%–38% manganese	dollars per metric ton unit contained manganese	4.75	4.78	4.80
44% manganese	do.	5.10	5.15	5.20

do. Ditto.

¹S&P Global Platts Metals Week; 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)

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2020:						
February	9,750 ^r	55,500 ^r	65,200 ^r	16 ^r	1,010 ^r	1,030 ^r
January–February	10,600 ^r	126,000 ^r	137,000 ^r	55 ^r	1,750 ^r	1,800 ^r
2021:						
January	989	24,600	25,500	83	2,930	3,020
February	49,400	71,300	121,000	77	2,670	2,740
January–February	50,400	95,800	146,000	159	5,600	5,760

^rRevised.

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

Source: U.S. Census Bureau.

TABLE 3
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN FEBRUARY 2021^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Mn content	Value	January–February ³		
				Gross weight	Mn content	Value
Australia	7,160	4,740	\$7,250,000	7,160	4,740	\$7,250,000
Brazil	--	--	--	200	131	185,000
Georgia	498	344	474,000	756	530	701,000
Malaysia	4,290	2,800	5,070,000	4,790	3,130	5,580,000
Mexico	72	46	71,700	216	139	204,000
Norway	4,670	2,940	5,270,000	6,190	3,880	7,140,000
South Africa	6,500	4,230	6,180,000	6,500	4,230	6,180,000
Total	23,200	15,100	24,300,000	25,800	16,800	27,200,000

-- 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 FEBRUARY 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ⁴ code	Gross weight	Mn content	Value	January–February ^{2,3}		
					Gross weight	Mn content	Value
Low carbon, less than 1% C:	7202.19.1000						
Japan		40	32	\$56,200	200	161	\$271,000
Norway		3,730	3,030	5,620,000	7,720	6,280	11,300,000
South Africa		53	42	60,400	146	125	205,000
Total		3,820	3,110	5,730,000	8,070	6,560	11,700,000
Medium carbon, 1%–2% C:	7202.19.5000						
Korea, Republic of		3,000	2,400	4,310,000	4,000	3,200	5,580,000
Norway		471	387	582,000	1,470	1,210	1,740,000
South Africa		5,270	4,230	7,110,000	5,300	4,250	7,160,000
Total		8,740	7,020	12,000,000	10,800	8,660	14,500,000
High carbon, over 4% C:	7202.11.5000						
Australia		10,600	8,080	11,700,000	10,600	8,080	11,700,000
Brazil		--	--	--	100	73	94,400
India		903	681	824,000	1,460	1,080	1,280,000
Korea, Republic of		1,000	760	1,220,000	4,500	3,560	5,070,000
Malaysia		16,300	12,400	13,100,000	21,500	16,400	17,000,000
Norway		500	395	371,000	500	395	371,000
Russia		--	--	--	3,780	2,950	3,680,000
South Africa		3,910	2,990	3,900,000	4,060	3,100	4,080,000
Total		33,200	25,300	31,100,000	46,500	35,600	43,300,000
Grand total		45,800	35,400	48,800,000	65,400	50,800	69,500,000

-- 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–February (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 FEBRUARY 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Mn content	Value	January–February ²		
					Gross weight	Mn content	Value
More than 20%, but less than 47% manganese:	2602.00.0040						
Mexico		11,100	4,230	\$1,440,000	11,100	4,230	\$1,440,000
South Africa		--	--	--	494	229	126,000
Total		11,100	4,230	1,440,000	11,600	4,460	1,560,000
47% or more manganese:	2602.00.0060						
France		1	1	2,020,000	1	1	2,020,000
Gabon		37,900	19,600	7,210,000	37,900	19,600	7,210,000
Morocco		216	120	94,200	216	120	94,200
South Africa		--	--	--	200	97	76,000
Total		38,100	19,800	9,330,000	38,300	19,900	9,400,000
Grand total		49,200	24,000	10,800,000	49,900	24,300	11,000,000

-- 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 FEBRUARY 2021^{1,2}

(Metric tons, unless otherwise specified)

Country or locality	Gross weight	Value	January–February ³	
			Gross weight	Value
Belgium	--	--	19	\$89,300
Brazil	30	\$39,900	30	39,900
Canada	--	--	15	25,500
Greece	50	110,000	99	228,000
Japan	72	157,000	234	555,000
Mexico	--	--	10	17,800
Morocco	19	23,900	19	23,900
South Africa	19	43,800	38	87,500
Spain	--	--	21	35,000
Total	189	374,000	484	1,100,000

-- 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 FEBRUARY 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–February ²	
				Gross weight	Value
Unwrought flake:	8111.00.4700				
China		--	--	600	\$934,000
Japan		(4)	\$265,000	(4)	386,000
South Africa		207	533,000	1,020	1,930,000
Total		207	798,000	1,620	3,250,000
Unwrought powder:	8111.00.4910				
China		--	--	40	73,600
South Africa		122	270,000	281	728,000
Total		122	270,000	321	801,000
Unwrought, other:	8111.00.4990				
China		775	1,090,000	1,320	1,820,000
Germany		123	218,000	251	472,000
South Africa		102	230,000	102	230,000
Total		999	1,540,000	1,670	2,530,000
Other manganese, wrought:	8111.00.6000				
China		1	5,040	1	5,040
Germany		6	84,900	24	346,000
Mexico		2	7,260	22	79,100
Total		9	97,200	47	430,000
Metallic waste and scrap, Canada	8111.00.3000				
		27	7,030	63	18,600
Grand total		1,360	2,710,000	3,730	7,030,000

-- 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 FEBRUARY 2021¹

(Metric tons, unless otherwise specified)

Type and country or locality	HTS ³ code	Gross weight	Value	January–February ²	
				Gross weight	Value
Ore and concentrates with 20% or more manganese:	2602.00.0000				
Belgium		--	--	20	\$57,100
Canada		22	\$22,300	22	22,300
India		--	--	39	70,000
Mexico		55	33,600	55	33,600
United Kingdom		--	--	25	15,000
Total		77	55,900	159	198,000
Ferromanganese:	7202.19.0000				
2% or less carbon:					
Argentina		--	--	218	427,000
Canada		295	452,000	326	492,000
Uruguay		--	--	5	8,620
Total		295	452,000	548	927,000
More than 2% carbon:	7202.11.0000				
Canada		1,420	1,500,000	3,000	3,230,000
Indonesia		--	--	3	9,200
Total		1,420	1,500,000	3,000	3,240,000
Ferrosilicon manganese, Canada	7202.30.0000	706	880,000	1,650	2,000,000
Metal, including alloys and waste and scrap:^{4,5}	8111.00.0000				
Australia		--	--	1	40,700
Canada		--	--	7	36,600
China		--	--	2	26,100
Dominican Republic		15	12,200	28	113,000
Germany		(6)	4,050	67	385,000
Japan		--	--	5	16,000
Korea, Republic of		--	--	25	9,140
Malaysia		231	79,500	255	88,500
Mexico		1	23,200	2	44,800
Netherlands		--	--	12	17,900
Other [2 countries and (or) localities]		(6)	8,960	1	22,600
Total		248	128,000	405	800,000
Grand total		2,740	3,020,000	5,760	7,160,000

-- 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.

⁴Presentation of monthly data is based on the January–February quantities (gross weight) of the leading countries.

⁵Includes manganese-aluminum, other alloys, and waste and scrap.

⁶Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS
IN FEBRUARY 2021¹

Compound	HTS ³ code	Gross weight (metric tons)	Value (thousands)	Principal sources and destinations: gross weight (metric tons); value (thousands)	January–February 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	2,260	\$1,480	India 1,320; \$896.	5,110	\$3,460	India 2,650; \$1,710.
Potassium permanganate	2841.61.0000	56	134	India 56; \$134.	97	228	India 91; \$216.
Sodium permanganate	2841.69.0010	165	268	China 127; \$193.	184	296	China 146; \$222.
Other sulfates, including manganese sulfate	2833.29.5100	5,340	4,010	Mexico 2,170; \$1,640.	11,300	8,320	China 3,910; \$2,400.
Exports:							
Manganese dioxide	2820.10.0000	666	895	Canada 363; \$269.	1,280	1,580	Canada 777; \$547.
Manganese oxides other than dioxide	2820.90.0000	295	876	United Arab Emirates 95; \$136.	777	1,780	United Arab Emirates 323; \$462.
Manganites, manganates, and other permanganates	2841.69.0090	(4)	5	Mexico (4), \$5.	7	24	Canada 7; \$14.
Potassium permanganate	2841.61.0000	322	893	Brazil 144, \$325.	468	1,350	Brazil 162, \$365.
Sodium permanganate	2841.69.0010	--	--	XX	7	41	Korea, Republic of 6, \$19.
Other sulfates, including manganese sulfate	2833.29.9100	1,640	3,290	Canada 870; \$689.	2,600	5,520	Canada 1,420; \$1,190.

-- Zero. XX Not applicable.

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.