

Mineral Industry Surveys

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MANGANESE IN NOVEMBER 2021

On a gross-weight basis, U.S. imports of manganese ore in November 2021 were 45,100 metric tons (t), slightly less than the amount in October 2021 (fig. 1, table 5). The only source of manganese ore, >20% – <47% grade, was South Africa and the leading source for >47% grade was Gabon. Total imports of manganese ore for the first 11 months of 2021 were 37% more than those during the same period in 2020.

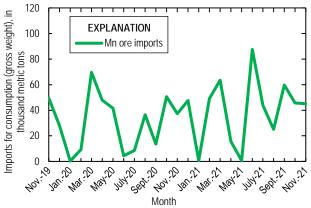


Figure 1. Monthly imports of manganese (Mn) ore from November 2019 through November 2021. Source: U.S. Census Bureau.

Prices

In November 2021, the average spot prices for manganese ore deliveries to China were \$4.84 per metric ton unit, 36%–38% grade, and \$5.72 per metric ton unit, 44% grade, 3% and 5% more, respectively, than the October 2021 prices (fig. 2, table 1).

Compared with the monthly average prices in November 2020, the 36%–38%-grade price was 27% more and the 44%-grade price was 40% more.

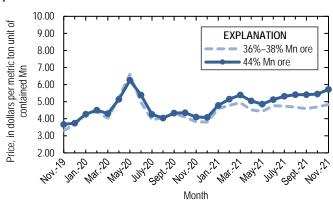


Figure 2. Average monthly spot prices for manganese (Mn) ore delivered to China from November 2019 through November 2021. Source: CRU Group.

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

	Low	Average	High
dollars per long ton of contained manganese	2,500.00	2,550.00	2,600.00
cents per pound of contained manganese	243.75	248.13	252.50
do.	125.00	127.50	130.00
cents per pound	450.00	466.94	475.00
dollars per metric ton unit contained manganese	4.70	4.84	4.90
do.	5.40	5.72	5.85
	cents per pound of contained manganese do. cents per pound dollars per metric ton unit contained manganese	dollars per long ton of contained manganese cents per pound of contained manganese do. 125.00 cents per pound 450.00 dollars per metric ton unit contained manganese 4.70	dollars per long ton of contained manganese 2,500.00 2,550.00 cents per pound of contained manganese 243.75 248.13 do. 125.00 127.50 cents per pound 450.00 466.94 dollars per metric ton unit contained manganese 4.70 4.84

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%.

 $\label{eq:table 2} \textbf{TABLE 2}$ SELECTED U.S. FOREIGN TRADE IN MANGANESE 1

(Metric tons)

	Impo	orts for consumpti	on	Exports				
	Ore and	Ferroalloy			_			
	dioxide	and metal	Total	Ore	and metal	Total		
2020:								
November	37,900 ^r	46,800 ^r	84,800 ^r	54 ^r	1,110 ^r	1,160 ^r		
January-November	324,000 ^r	459,000 ^r	783,000 ^r	834 ^r	11,400 ^r	12,200 ^r		
2021:								
January	989	24,600	25,500	83	2,930	3,020		
February	49,400	71,300	121,000	77	2,670	2,750		
March	64,200	65,800	130,000	50	1,940	1,990		
April	16,700	22,800	39,500	52	1,260	1,310		
May	1,000	58,600	59,600	412	1,650	2,060		
June	88,800	74,800	164,000	68	1,690	1,760		
July	44,300	32,200	76,500	87	1,590	1,670		
August	25,400	62,400	87,800	176	1,330	1,500		
September	60,800	58,400	119,000	41	1,120	1,160		
October	46,400	67,700	114,000		1,100	1,100		
November	45,900	56,200	102,000	48	1,430	1,480		
January-November	444,000	595,000	1,040,000	1,090	18,700	19,800		

^rRevised. -- Zero.

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

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

					January-November	r ⁴
	Gross	Mn	_	Gross	Mn	
Country or locality	weight	content	Value	weight	content	Value
Australia				45,600	30,000	\$66,700,000
Brazil				913	603	983,000
Georgia	1,010	717	\$1,900,000	74,300	54,800	95,800,000
India				500	276	720,000
Malaysia	6,620	4,690	13,000,000	26,300	17,700	34,500,000
Mexico	2,730	1,790	4,050,000	12,100	7,890	15,400,000
Norway	2,930	1,800	7,310,000	26,800	16,600	45,000,000
Russia				8,890	1,610	16,900,000
South Africa	107	72	192,000	63,800	41,400	65,000,000
Spain				314	187	463,000
Other [2 countries and (or) localites]	11	7	14,000	31	20	39,400
Total	13,400	9,080	26,500,000	260,000	171,000	341,000,000

⁻⁻ 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.

³Presentation of monthly data is based on the January–November quantities (gross weight) of the leading countries.

⁴May include revisions to previously published data.

 ${\it TABLE~4} \\ {\it U.S.~IMPORTS~FOR~CONSUMPTION~OF~FERROMANGANESE~IN~NOVEMBER~2021}^1$

					January–November ²		
Type and country		Gross	Mn		Gross	Mn	
or locality	HTS ³ code	weight	content	Value	weight	content	Value
Low carbon, less than 1% C:	7202.19.1000						
Canada					2	2	\$3,260
India					1	1	2,400
Japan		20	16	\$64,500	888	715	1,630,000
Mexico					433	349	569,000
Norway		4,800	3,890	15,900,000	38,300	31,100	81,500,000
South Africa		57	51	103,000	536	478	864,000
Spain					1	1	2,190
Switzerland		1	1	2,420	1	1	2,420
Total		4,880	3,960	16,100,000	40,200	32,700	84,500,000
Medium carbon, 1%–2% C:	7202.19.5000						
Australia					9,510	7,240	13,400,000
China					20	16	50,600
India					756	575	752,000
Japan					96	77	149,000
Korea, Republic of					15,700	12,600	26,900,000
Mexico					1,610	1,220	2,900,000
Norway		1,000	810	2,880,000	4,500	3,670	7,960,000
South Africa					24,500	19,600	43,100,000
Total		1,000	810	2,880,000	56,700	45,000	95,200,000
High carbon, over 4% C: ⁴	7202.11.5000						
Australia					37,200	28,400	53,900,000
France					1,460	1,120	2,130,000
India		8,500	6,440	11,100,000	40,600	30,500	48,500,000
Korea, Republic of					13,000	10,000	16,200,000
Malaysia		14,300	10,900	22,000,000	62,200	47,200	65,400,000
Norway					500	395	371,000
Russia		7,890	6,050	14,500,000	15,500	10,900	23,100,000
South Africa		645	490	672,000	22,100	16,800	26,500,000
Switzerland					2,310	1,760	2,170,000
Zambia		94	73	133,000	1,030	798	1,270,000
Other [4 countries and (or) localities]		32	24	31,700	890	663	1,530,000
Total		31,500	23,900	48,400,000	197,000	149,000	241,000,000
Grand total		37,300	28,700	67,300,000	294,000	226,000	421,000,000
Zero		37,300	20,700	37,300,000	27 1,000	220,000	121,000,0

⁻⁻ 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–November quantities (gross weight) of the leading countries.

TABLE 5 U.S. IMPORTS FOR CONSUMPTION OF MANGANESE ORE (20% OR MORE Mn) IN NOVEMBER $2021^{1}\,$

					Ja	nuary-Novem	ber ²
		Gross	Mn		Gross	Mn	
Type and country or locality	HTS ³ code	weight	content	Value	weight	content	Value
More than 20%, but less than 47% manganese:	2602.00.0040						
Gabon	_				4,500	2,070	\$1,320,000
Mexico	_				45,600	17,400	7,670,000
South Africa	_	351	164	\$95,300	74,400	29,700	10,800,000
Total	_	351	164	95,300	124,000	49,100	19,800,000
47% or more manganese:	2602.00.0060						
Brazil	_				193	97	135,000
Canada	_				18	17	3,500
France					1	1	2,020,000
Gabon	_	44,300	38,200	7,580,000	303,000	178,000	61,600,000
Mexico	_	57	39	57,200	247	169	251,000
Morocco	_				2,210	1,210	950,000
South Africa	_	400	194	152,000	6,300	3,120	1,860,000
Total	=	44,800	38,500	7,790,000	312,000	182,000	66,900,000
Grand total	_	45,100	38,600	7,880,000	437,000	231,000	86,700,000

⁻⁻ 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.

TABLE 6 U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE IN NOVEMBER 2021 1,2,3

	Gross		January–N Gross		
Country or locality	weight	Value	weight	Value	
Belgium			37	\$144,000	
Brazil			170	201,000	
Canada			26	41,300	
China	18	\$80,900	100	319,000	
Greece	611	1,550,000	3,510	8,090,000	
Japan	154	342,000	2,660	5,910,000	
Mexico			84	143,000	
Morocco			51	79,000	
South Africa			323	748,000	
Spain			192	396,000	
Other [2 countries and (or) localities]			28	114,000	
Total	783	1,970,000	7,190	16,200,000	

⁻⁻ 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.

³Presentation of monthly data is based on the January–November quantities (gross weight) of the leading countries.

⁴May include revisions to previously published data.

TABLE 7 U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN NOVEMBER 2021^1

				January–No	ovember ²
		Gross	-	Gross	
Type and country or locality	HTS ³ code	weight	Value	weight	Value
Unwrought flake:	8111.00.4700				
China		100	\$489,000	3,200	\$6,880,000
Gabon	•			4	9,700
Japan	•	(4)	435,000	11	3,170,000
Mexico	•			26	91,500
South Africa		1,340	6,170,000	6,480	18,600,000
United Kingdom	•	25	71,000	25	71,000
Total		1,470	7,160,000	9,750	28,800,000
Unwrought powder:	8111.00.4910				
China				193	316,000
Mexico		9	79,800	19	119,000
South Africa		61	153,000	1,440	3,540,000
United Kingdom				(4)	4,000
Total		70	232,000	1,650	3,980,000
Unwrought, other:	8111.00.4990			·	
China		3,740	10,300,000	24,900	54,300,000
Germany		106	455,000	1,320	3,150,000
South Africa		41	112,000	407	1,020,000
Spain				7	10,300
Total		3,880	10,900,000	26,600	58,500,000
Other manganese, wrought:	8111.00.6000				
Canada				(4)	7,540
China	•			13	60,600
France				(4)	3,090
Germany				134	1,940,000
Japan		(4)	12,900	(4)	33,000
Mexico				226	1,050,000
Sweden	•	13	214,000	40	647,000
United Kingdom	•			(4)	9,720
Total		13	227,000	414	3,740,000
Metallic waste and scrap	8111.00.3000		•		
Canada				387	159,000
Japan				8	48,000
Total				395	207,000
Grand total		5,440	18,500,000	38,800	95,200,000
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⁻⁻ 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.

TABLE 8 U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE, SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OR LOCALITY OF DESTINATION IN NOVEMBER 2021^1

(Metric tons, unless otherwise specified)

				January–November ²		
		Gross		Gross		
Type and country or locality	HTS ³ code	weight	Value	weight	Value	
Ore and concentrates with 20% or more manganese:	2602.00.0000					
Belgium				20	\$57,100	
Canada		41	\$39,200	603	400,000	
Dominican Republic	<u></u>			29	21,500	
India				97	91,200	
Korea, Republic of	_	7	3,410	7	3,410	
Mexico	_			279	137,000	
Netherlands	_			14	52,500	
Singapore	_			20	8,570	
United Kingdom	_			25	15,000	
Total	_	48	42,600	1,090	786,000	
Ferromanganese:	7202.19.0000		· · · · · · · · · · · · · · · · · · ·	,		
2% or less carbon:	_					
Argentina	-			218	427,000	
Canada	_	100	244,000	4,280	7,790,000	
Chile			244,000	20	33,900	
Jamaica	_			24	44,900	
Mexico	_	140	267,000	144	273,000	
Romania	_		207,000			
	_			2 5	4,490	
Uruguay	_	240	 511.000		8,620	
Total		240	511,000	4,690	8,580,000	
More than 2% carbon:	7202.11.0000					
Brazil				48	134,000	
Canada	_	27	71,800	4,070	4,740,000	
Chile	_			10	28,000	
China				15	42,200	
Finland				2	6,930	
Indonesia	<u> </u>			3	9,200	
Jamaica				16	44,900	
Mexico				90	233,000	
Peru	<u></u>			38	115,000	
Taiwan				4	9,900	
Other [2 countries and (or) localities]				3	6,990	
Total		27	71,800	4,300	5,370,000	
Ferrosilicon manganese	7202.30.0000					
Canada	_	716	1,520,000	4,000	6,410,000	
Colombia	_			203	299,000	
Honduras	_			2	5,100	
Japan	-			(4)	4,100	
Mexico	-			62	146,000	
Peru	_			190	279,000	
Total	_	716	1,520,000	4,450	7,150,000	
Metal, including alloys and waste and scrap: ^{5, 6}	8111.00.0000	710	1,320,000	7,730	7,130,000	
Canada		1	19 100	508	1,950,000	
Dominican Republic	_	1	18,100	48	1,930,000	
						
Germany	_			82	413,000	
Japan	_			103	372,000	
Korea, Republic of				25	9,140	
Malaysia	_	444	328,000	4,090	2,340,000	
Mexico	<u> </u>	2	32,700	37	304,000	
Netherlands				165	1,030,000	
Turkey				29	10,600	
Vietnam				100	80,000	
Other [16 countries and (or) localities]	<u></u>			79	1,390,000	
Total		448	379,000	5,270	8,030,000	

⁻⁻ 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.

⁵Presentation of monthly data is based on the January–November quantities (gross weight) of the leading countries.

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

TABLE 9 U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN NOVEMBER 2021^1

					January–November ²		
				Principal sources			Principal sources
				and destinations:			and destinations:
		Gross weight	Value	gross weight (metric tons);	Gross weight	Value	gross weight (metric tons);
Compound	HTS ³ code	(metric tons)	(thousands)	value (thousands)	(metric tons)	(thousands)	value (thousands)
Imports for consumption:							
Manganese oxides other than dioxide	2820.90.0000	606	\$565	South Africa 499; \$474.	22,300	\$14,100	India 7,490; \$5,100.
Manganites, manganates, and other permanganates	2841.69.0090	(4)	5	China (all).	71	422	India 39; \$92.
Potassium permanganate	2841.61.0000	35	99	India (all).	793	1,780	India 732; \$1,640.
Sodium permanganate	2841.69.0010	205	462	India 153; \$358.	1,310	2,490	India 708; \$1,500.
Other sulfates, including manganese sulfate	2833.29.5100	6,070	4,330	China 3,620; \$2,270.	67,500	51,500	China 22,600; \$14,300.
Exports:							
Manganese dioxide	2820.10.0000	1,160	1,400	Canada 845; \$607.	9,100	10,700	Canada 5,890; \$4,280.
Manganese oxides other than dioxide	2820.90.0000	406	801	United Arab Emirates 154; \$333.	5,400	10,900	United Arab Emirates 1,810; \$3,100.
Manganites, manganates, and other permanganates	2841.69.0090	2	8	Canada 2; \$3.	149	442	Canada 145; \$312.
Potassium permanganate	2841.61.0000	312	894	Belgium 220; \$563.	3,160	9,130	Belgium 1,720; \$4,360.
Sodium permanganate	2841.69.0010	24	108	Belgium 18; \$46.	563	1,620	Belgium 361; \$840.
Other sulfates, including manganese sulfate	2833.29.9100	2,000	4,430	Canada 1,300; \$1,650.	18,700	42,500	Canada 11,300; \$11,300.

Data are rounded to no more than three significant digits.

May include revisions to previously published data.

Harmonized Tariff Schedule of the United States.

⁴Less than ½ unit.