

# Mineral Industry Surveys

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## CHROMIUM IN OCTOBER 2020

Estimated consumption of chromium, on a gross weight basis, in October 2020 was unchanged compared with estimated consumption of chromium in September 2020, and decreased by 27% compared with reported consumption in October 2019. Estimated consumer stocks were unchanged compared with those of the previous month and decreased by 49% compared with those of October 2019 (tables 1, 2).

Stainless steel production decreased slightly in October 2020 compared with production in September 2020, and decreased by 11% compared with production in October 2019 (table 1). Government stockpile inventories for chromium metal have remained essentially unchanged since February 2017. Government stockpile inventories of ferroalloyshave

remained unchanged since August 2020 and decreased by 9% compared with those of October 2019 (table 3).

Imports of chromite ore, chromium ferroalloys, chromium metal, and stainless steel commonly fluctuate from month to month (table 1). In October 2020, imports of all grades of chromium ferroalloys almost doubled compared with imports of chromium ferroalloys in September 2020 and increased by 46% compared with those in in October 2019. Stainless steel imports in October 2020 increased by 45% compared with imports in September 2020 and decreased slightly compared with those in October 2019 (fig. 1, table 1).

Exports of chromite ore, chromium ferroalloys, chromium metal, and stainless steel also frequently fluctuate from month

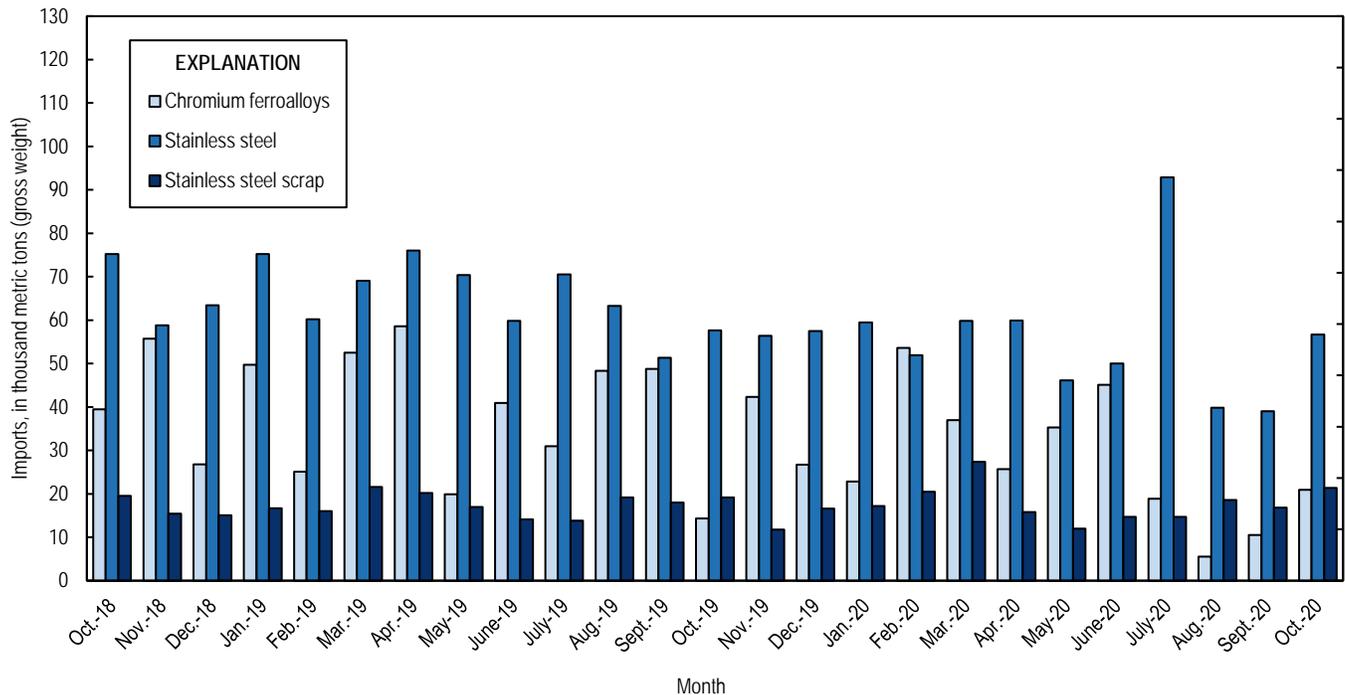


Figure 1. Chromium ferroalloys and stainless steel imports from October 2018 through October 2020. Source: U.S. Census Bureau.

to month (table 1, table 4). Exports of chromium ferroalloys increased by 25% in October 2020 compared with exports in September 2020 and decreased by 21% compared with exports in October 2019. Stainless steel exports in October 2020 increased by 16% compared with exports in September 2020 and decreased by 13% compared with those of October 2019 (table 1).

In October 2020, the leading import sources for ferrochromium (FeCr) into the United States were, in descending order of quantity by gross weight, South Africa, Kazakhstan, and Brazil (table 6), whereas the leading import sources for chromium metal were the United Kingdom, Russia, and France (table 7).

The U.S. chromium metal (99% Cr) average price was \$2.93 per pound in October 2020, a 4% decrease from the average price in September 2020, and a 17% decrease compared with the average price in October 2019 (CRU Group, 2020). The U.S. high-carbon FeCr (62%–70% chromium) average price was 92.44 cents per pound of contained chromium in October 2020, essentially unchanged from the average price in September 2020, and a 13% increase from the average price in October 2019 (fig. 2) (CRU Group, 2020b).

### Industry News

Universal Stainless and Alloy Products, Inc. (Bridgeville, PA) announced plants were idled for 3 to 4 weeks during the second quarter of 2020 in response to decreases in demand from the aerospace and oil and gas markets related to the COVID-19 pandemic. Rolling shutdowns were also implemented at various sites to cut costs (CRU Group, 2020a).

Hubei Zhenhua Chemical Co., Ltd. (China) announced the acquisition of Chongqing Minfeng Chemical Co., Ltd., a chromium chemical producer in Chongqing, China. Once approved by the China Securities Regulatory Commission, Hubei Zhenhua Chemical Co., Ltd. would become the largest chromium chemical production company in the country, accounting for 65% of China’s total output (Nils Backeberg,

Manager – Steel Alloys, Roskill Information Services Ltd., written commun., December 10, 2020; Tong and Backeberg, 2020).

The Cabinet of South Africa approved an export tax on chromite ore as part of an effort to support the domestic ferrochromium industry. The Cabinet also proposed energy efficient technologies for ferrochromium smelters and the use of cogeneration and self-generation power capabilities to manage potential power outages. The details of the export tax were not provided in the Cabinet statement (Department of Government Communication and Information System, 2020).

### References Cited

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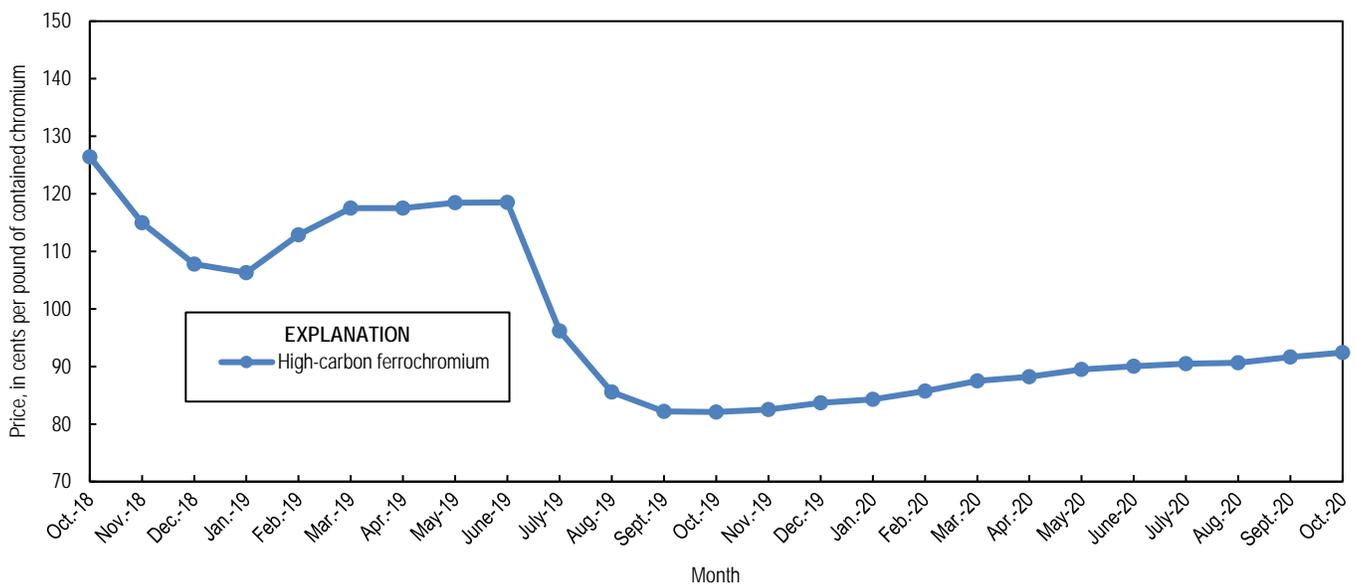


Figure 2. Average monthly prices for U.S. high-carbon ferrochromium from October 2018 through October 2020. Source: CRU Group.

TABLE 1  
U.S. SALIENT CHROMIUM STATISTICS<sup>1</sup>

(Metric tons, gross weight)

	2019	2020			
	January– December <sup>p</sup>	August	September	October	January– October <sup>2</sup>
Production, stainless steel <sup>3</sup>	2,590,000	172,000	184,000	182,000	1,760,000
Components of U.S. supply:					
Stainless steel scrap receipts	810,000	62,600 <sup>e</sup>	67,000 <sup>e</sup>	42,200	591,000 <sup>e</sup>
Stainless steel scrap consumption	1,240,000	94,300 <sup>e</sup>	101,000 <sup>e</sup>	63,100	895,000 <sup>e</sup>
Imports for consumption:					
Chromite ore	152,000	712	3,710	2,050	64,100
Ferrochromium:					
More than 4% carbon	393,000	4,250	8,540	14,600	229,000
More than 3% but not more than 4% carbon	1,210	34	--	--	212
More than 0.5% but not more than 3% carbon	2,090	--	350	109	2,630
Not more than 0.5% carbon	44,300	1,010	1,580	1,590	28,000
Ferrochromium silicon	17,600	243	--	4,530	15,700
Total ferroalloy imports	458,000	5,540	10,500	20,900	275,000
Chromium metal <sup>4</sup>	14,400	308	338	608	10,900
Stainless steel	767,000	39,800	39,000	56,700	555,000
Stainless steel scrap	204,000	18,600	16,800	21,400	179,000
Distribution of U.S. supply:					
Consumption, industry, chromium ferroalloys and metal	389,000	27,000 <sup>e</sup>	26,000 <sup>e</sup>	26,000 <sup>e</sup>	282,000 <sup>e</sup>
Exports:					
Chromite ore	2,300	305	19	139	1,480
Chromium ferroalloys:					
High-carbon ferrochromium	1,300	100	42	260	696
Low-carbon ferrochromium	437	49	125	--	385
Ferrochromium silicon	22	--	41	--	164
Total ferroalloy exports	1,760	149	208	260	1,250
Chromium metal	431	42	33	23	340
Stainless steel	436,000	23,400	27,000	31,400	266,000
Stainless steel scrap	469,000	30,000	21,900	22,800	258,000
Stocks at end of period:					
Consumer, industry, chromium ferroalloys and metal	7,530	7,100 <sup>e</sup>	7,000 <sup>e</sup>	7,000 <sup>e</sup>	7,000 <sup>e</sup>
Government stockpile:					
Chromium ferroalloys	66,100	60,700	60,700	60,700	60,700
Chromium metal	3,850	3,830	3,830	3,830	3,830

<sup>e</sup>Estimated. <sup>p</sup>Preliminary. -- Zero.

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

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

<sup>3</sup>Data on stainless steel production reported by American Iron and Steel Institute; monthly, quarterly, and year-to-date production of stainless and heat-resisting raw steel.

<sup>4</sup>Includes waste and scrap and other.

TABLE 2  
U.S. REPORTED CONSUMPTION AND STOCKS OF CHROMIUM PRODUCTS<sup>1,2</sup>

(Metric tons, gross weight unless otherwise noted)

	2020		
	September	October	January– October <sup>3</sup>
<b>Consumption by end use:</b>			
<b>Steel:</b>			
Carbon steel	W	W	W
High-strength low-alloy steel	130 <sup>e</sup>	130 <sup>e</sup>	1,360 <sup>e</sup>
Stainless and heat-resisting steel	22,000 <sup>e</sup>	22,000 <sup>e</sup>	244,000 <sup>e</sup>
Unspecified steel <sup>4</sup>	3,000 <sup>e</sup>	3,000 <sup>e</sup>	33,000 <sup>e</sup>
Superalloys	200 <sup>e</sup>	200 <sup>e</sup>	2,000 <sup>e</sup>
Other alloys and uses <sup>5</sup>	W	W	W
<b>Total</b>	<b>26,000<sup>e</sup></b>	<b>26,000<sup>e</sup></b>	<b>282,000<sup>e</sup></b>
<b>Total, chromium content</b>	<b>15,000<sup>e</sup></b>	<b>15,000<sup>e</sup></b>	<b>160,000<sup>e</sup></b>
<b>Consumption by material:</b>			
Low-carbon ferrochromium	1,500 <sup>e</sup>	1,500 <sup>e</sup>	17,000 <sup>e</sup>
High-carbon ferrochromium	23,000 <sup>e</sup>	23,000 <sup>e</sup>	256,000 <sup>e</sup>
Ferrochromium silicon	W	W	W
Chromium metal	130 <sup>e</sup>	130 <sup>e</sup>	1,360 <sup>e</sup>
Chromite ore	120 <sup>e</sup>	120 <sup>e</sup>	1,240 <sup>e</sup>
Chromium-aluminum alloy	W	W	W
Other chromium materials	W	W	W
<b>Total</b>	<b>26,000<sup>e</sup></b>	<b>26,000<sup>e</sup></b>	<b>282,000<sup>e</sup></b>
<b>Total, chromium content</b>	<b>15,000<sup>e</sup></b>	<b>15,000<sup>e</sup></b>	<b>160,000<sup>e</sup></b>
<b>Consumer stocks:</b>			
Low-carbon ferrochromium	730 <sup>e</sup>	730 <sup>e</sup>	730 <sup>e</sup>
High-carbon ferrochromium	2,000 <sup>e</sup>	2,000 <sup>e</sup>	2,000 <sup>e</sup>
Ferrochromium silicon	W	W	W
Chromium metal	20 <sup>e</sup>	20 <sup>e</sup>	20 <sup>e</sup>
Chromium-aluminum alloy	W	W	W
Other chromium materials <sup>6</sup>	4,000 <sup>e</sup>	4,000 <sup>e</sup>	4,000 <sup>e</sup>
<b>Total</b>	<b>7,000<sup>e</sup></b>	<b>7,000<sup>e</sup></b>	<b>7,000<sup>e</sup></b>
<b>Total, chromium content</b>	<b>3,700<sup>e</sup></b>	<b>3,700<sup>e</sup></b>	<b>3,700<sup>e</sup></b>

<sup>e</sup>Estimated. W Withheld to avoid disclosing company proprietary data; included in "Total."

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

<sup>2</sup>Includes estimates.

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

<sup>4</sup>Includes electrical, full alloy, tool, and unspecified steel end uses.

<sup>5</sup>Includes cast irons, welding and alloy hard-facing rods and materials, wear- and corrosion-resistant alloys, and aluminum, copper, magnetic, nickel, and other alloys.

<sup>6</sup>Includes chromite ore as foundry sand.

TABLE 3  
U.S. GOVERNMENT STOCKPILE INVENTORY OF  
CHROMIUM MATERIALS<sup>1</sup>

(metric tons)

	Chromium ferroalloys		Chromium metal
	High-carbon ferro- chromium	Low-carbon ferro- chromium	
2019:			
October	39,600	27,400	3,850
November	38,700	27,400	3,850
December	38,700	27,400	3,850
2020:			
January	37,800	27,400	3,850
February	37,100	27,400	3,850
March	36,700	27,100	3,850
April	36,700	27,100	3,850
May	36,000	26,800	3,850
June	35,700	26,800	3,840
July	35,100	26,800	3,840
August	33,900	26,800	3,830
September	33,900	26,800	3,830
October	33,900	26,800	3,830

<sup>1</sup>Data are rounded to no more than three significant digits.

Source: Defense Logistics Agency, DLA Strategic Materials.

TABLE 4  
U.S. EXPORTS OF CHROMITE ORE, CHROMIUM FERROALLOYS, AND METAL<sup>1</sup>

	Chromite ore		Chromium ferroalloys <sup>2</sup>			Chromium metal <sup>3</sup>	
	Gross weight (metric tons)	Value (thousands)	Gross weight (metric tons)	Chromium content (metric tons)	Value (thousands)	Gross weight (metric tons)	Value (thousands)
2019:							
October	61	\$56	328	184	\$525	39	\$1,340
November	141	110	179	107	319	23	889
December	120	86	83	50	107	31	718
January–December <sup>4</sup>	2,300	1,940	1,760	942	2,810	431	13,100
2020:							
January	147	82	66	36	91	37	733
February	176	104	66	40	118	24	658
March	140	79	106	63	207	35	972
April	115	83	118	61	182	31	550
May	155	90	85	41	106	35	1,050
June	186	133	56	34	72	33	529
July	96	68	133	71	180	46	1,770
August	305	97	149	90	233	42	927
September	19	8	208	115	324	33	727
October	139	120	260	157	316	23	942
January–October <sup>4</sup>	1,480	865	1,250	709	1,830	340	8,850

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

<sup>2</sup>Includes low- and high-carbon ferrochromium and ferrochromium silicon.

<sup>3</sup>Includes chromium metal, waste and scrap, and unwrought powders.

<sup>4</sup>May include revised data that are not broken out by specific month(s).

Source: U.S. Census Bureau.

TABLE 5  
U.S. IMPORTS FOR CONSUMPTION OF CHROMITE ORE, FERROCHROMIUM, AND  
CHROMIUM METAL<sup>1</sup>

(Metric tons)

	2019	2020		
	January– December	September	October	January– October <sup>2</sup>
<b>Chromite ore:</b>				
Not more than 40% chromic oxide:				
Gross weight	973	647	199	2,040
Chromic oxide content	360	119	78	521
More than 40% but less than 46% chromic oxide:				
Gross weight	4,170	493	1,660	8,680
Chromic oxide content	1,810	215	743	3,790
46% or more chromic oxide:				
Gross weight	147,000	2,570	191	53,400
Chromic oxide content	90,400	1,210	138	44,600
<b>Total, all grades:</b>				
Gross weight	152,000	3,710	2,050	64,100
Chromic oxide content	92,500	1,550	959	48,900
<b>Ferrochromium:</b>				
Low-carbon: <sup>3</sup>				
Not more than 0.5% carbon:				
Gross weight	44,300	1,580	1,590	28,000
Chromium content	30,900	1,000	1,020	18,800
More than 0.5% but not more than 3% carbon:				
Gross weight	2,090	350	109	2,630
Chromium content	1,330	244	78	1,750
<b>Total, low-carbon:</b>				
Gross weight	46,400	1,930	1,700	30,600
Chromium content	32,200	1,250	1,100	20,600
Medium-carbon: <sup>4</sup>				
Gross weight	1,210	--	--	212
Chromium content	802	--	--	116
High-carbon: <sup>5</sup>				
Gross weight	393,000	8,540	14,600	229,000
Chromium content	215,000	4,650	8,180	127,000
<b>Total, all grades:</b>				
Gross weight	440,000	10,500	16,300	260,000
Chromium content	248,000	5,900	9,280	148,000
<b>Chromium metal:</b>				
Unwrought powders	11,500	215	450	9,180
Waste and scrap	221	14	27	153
Other than waste and scrap and unwrought powders	2,680	110	130	1,570
<b>Total, all grades</b>	<b>14,400</b>	<b>338</b>	<b>608</b>	<b>10,900</b>

-- Zero.

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

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

<sup>3</sup>Ferrochromium containing not more than 3% carbon.

<sup>4</sup>Ferrochromium containing more than 3% carbon but not more than 4% carbon.

<sup>5</sup>Ferrochromium containing more than 4% carbon.

Source: U.S. Census Bureau.

TABLE 6  
U.S. IMPORTS FOR CONSUMPTION OF FERROCHROMIUM IN 2020, BY GRADE AND COUNTRY OR LOCALITY<sup>1</sup>

Grade and country or locality	October			January–October <sup>2</sup>		
	Gross weight (metric tons)	Chromium content (metric tons)	Value <sup>3</sup> (thousands)	Gross weight (metric tons)	Chromium content (metric tons)	Value <sup>3</sup> (thousands)
<b>High-carbon ferrochromium:<sup>4</sup></b>						
Albania	145	102	\$161	2,960	1,970	\$3,440
Brazil	600	322	340	2,770	1,500	1,900
Canada	--	--	--	6	3	9
India	162	94	145	5,990	3,600	4,880
Kazakhstan	4,650	3,210	5,880	48,800	33,900	55,300
Oman	--	--	--	968	499	630
Russia	--	--	--	21,900	13,200	20,700
South Africa	8,600	4,140	7,160	127,000	62,100	105,000
Sweden	--	--	--	768	515	951
Turkey	489	312	475	2,100	1,350	2,260
Zimbabwe	--	--	--	15,400	8,790	9,740
<b>Total</b>	<b>14,600</b>	<b>8,180</b>	<b>14,200</b>	<b>229,000</b>	<b>127,000</b>	<b>205,000</b>
<b>Medium-carbon ferrochromium:<sup>5</sup></b>						
Russia	--	--	--	76	41	119
Turkey	--	--	--	126	68	68
United Kingdom	--	--	--	10	8	23
<b>Total</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>212</b>	<b>116</b>	<b>210</b>
<b>Low-carbon ferrochromium:<sup>6</sup></b>						
<b>More than 0.5% but not more than 3% carbon</b>						
Brazil	--	--	--	1,020	631	1,700
India	--	--	--	200	123	372
Kazakhstan	109	78	278	1,290	912	3,090
Russia	--	--	--	120	85	284
<b>Total</b>	<b>109</b>	<b>78</b>	<b>278</b>	<b>2,630</b>	<b>1,750</b>	<b>5,440</b>
<b>Not more than 0.5% carbon:</b>						
Belgium	--	--	--	1,220	735	3,610
Brazil	575	303	782	1,600	939	2,340
China	--	--	--	9	6	29
Germany	401	280	1,340	3,330	2,280	10,700
India	--	--	--	596	375	1,140
Japan	--	--	--	579	415	2,280
Kazakhstan	343	249	903	7,130	5,120	18,000
Russia	242	169	546	12,700	8,400	26,500
Turkey	32	22	106	810	564	2,060
<b>Total</b>	<b>1,590</b>	<b>1,020</b>	<b>3,670</b>	<b>28,000</b>	<b>18,800</b>	<b>66,600</b>
<b>All grades:</b>						
Albania	145	102	161	2,960	1,970	3,440
Belgium	--	--	--	1,220	735	3,610
Brazil	1,180	624	1,120	5,390	3,070	5,950
Canada	--	--	--	6	3	9
China	--	--	--	9	6	29
Germany	401	280	1,340	3,330	2,280	10,700
India	162	94	145	6,790	4,100	6,400
Japan	--	--	--	579	415	2,280
Kazakhstan	5,100	3,540	7,060	57,300	39,900	76,300
Oman	--	--	--	968	499	630
Russia	242	169	546	34,800	21,800	47,600
South Africa	8,600	4,140	7,160	127,000	62,100	105,000
Sweden	--	--	--	768	515	951
Turkey	521	333	581	3,030	1,980	4,390
United Kingdom	--	--	--	10	8	23

(See footnotes at end of table.)

TABLE 6—Continued  
 U.S. IMPORTS FOR CONSUMPTION OF FERROCHROMIUM IN 2020, BY GRADE AND COUNTRY OR LOCALITY<sup>1</sup>

Grade and country or locality	October			January–October <sup>2</sup>		
	Gross weight (metric tons)	Chromium content (metric tons)	Value <sup>3</sup> (thousands)	Gross weight (metric tons)	Chromium content (metric tons)	Value <sup>3</sup> (thousands)
Zimbabwe	--	--	--	15,400	8,790	9,740
Total	16,300	9,280	18,100	260,000	148,000	277,000

-- Zero.

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

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

<sup>3</sup>Customs import 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 merchandise into the United States.

<sup>4</sup>Ferrochromium containing more than 4% carbon.

<sup>5</sup>Ferrochromium containing more than 3% carbon but not more than 4% carbon.

<sup>6</sup>Ferrochromium containing not more than 3% carbon.

Source: U.S. Census Bureau.

TABLE 7  
U.S. IMPORTS FOR CONSUMPTION OF CHROMIUM METAL IN 2020,  
BY GRADE AND BY COUNTRY OR LOCALITY<sup>1</sup>

Grade and country or locality	October		January–October <sup>2</sup>	
	Gross weight (metric tons)	Value <sup>3</sup> (thousands)	Gross weight (metric tons)	Value <sup>3</sup> (thousands)
<b>Unwrought powders:</b>				
Belgium	--	--	24	\$139
China	59	\$641	1,140	10,700
Estonia	--	--	10	75
France	152	1,250	2,080	17,600
Germany	26	142	305	2,390
India	20	172	115	1,030
Japan	--	--	(4)	24
Russia	56	454	3,290	21,400
Spain	--	--	94	482
Switzerland	--	--	20	149
United Kingdom	138	1,130	2,100	21,200
Total	450	3,790	9,180	75,100
<b>Waste and scrap:</b>				
Canada	--	--	15	43
France	--	--	11	34
Japan	--	--	13	86
United Kingdom	27	167	114	718
Total	27	167	153	881
<b>Other than waste and scrap and unwrought powders:</b>				
Canada	--	--	(4)	5
China	(4)	6	22	285
France	--	--	(4)	12
Germany	(4)	8	44	409
Japan	1	47	5	254
Liechtenstein	--	--	(4)	3
Malaysia	--	--	(4)	32
Russia	111	736	1,280	7,300
Spain	--	--	38	194
Taiwan	(4)	5	(4)	5
United Kingdom	18	268	179	1,870
Total	130	1,070	1,570	10,400
<b>All grades:</b>				
Belgium	--	--	24	139
Canada	--	--	15	48
China	59	647	1,160	10,900
Estonia	--	--	10	75
France	152	1,250	2,090	17,700
Germany	26	150	349	2,800
India	20	172	115	1,030
Japan	1	47	18	364
Liechtenstein	--	--	(4)	3
Malaysia	--	--	(4)	32
Russia	166	1,190	4,570	28,700
Spain	--	--	132	676
Switzerland	--	--	20	149
Taiwan	(4)	5	(4)	5
United Kingdom	183	1,570	2,390	23,800
Total	608	5,030	10,900	86,400

-- Zero.

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

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

<sup>3</sup>Customs import 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 merchandise into the United States.

<sup>4</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 8  
U.S. STAINLESS STEEL TRADE, BY PRODUCT, IN 2020<sup>1</sup>

Stainless steel product	October		January–October <sup>2</sup>	
	Gross weight (metric tons)	Value <sup>3</sup> (thousands)	Gross weight (metric tons)	Value <sup>3</sup> (thousands)
<b>Exports:</b>				
Ingot	721	\$4,560	9,520	\$58,200
Flat-rolled (width > 600 mm)	19,800	50,300	159,000	434,000
Flat-rolled (width < 600 mm)	5,620	26,200	46,400	248,000
Bars and rods in irregular coils	56	247	1,710	9,680
Other bars and rods	2,090	19,400	20,900	219,000
Wire	692	9,670	6,010	88,900
Tubes, pipes, hollow profiles	2,450	25,000	22,600	255,000
Total	31,400	135,000	266,000	1,310,000
Stainless steel scrap	22,800	23,600	258,000	218,000
Grand total	54,200	159,000	523,000	1,530,000
<b>Imports:</b>				
Ingot	17,600	31,000	130,000	328,000
Flat-rolled (width > 600 mm)	15,900	37,300	172,000	409,000
Flat-rolled (width < 600 mm)	3,050	10,100	34,300	123,000
Bars and rods in irregular coils	1,380	4,900	24,100	79,100
Other bars and rods	8,130	30,400	82,200	316,000
Wire	2,700	11,100	27,800	121,000
Tubes, pipes, hollow profiles	7,940	48,900	85,800	587,000
Total	56,700	174,000	555,000	1,960,000
Stainless steel scrap	21,400	18,500	179,000	156,000
Grand total	78,100	192,000	735,000	2,120,000

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

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

<sup>3</sup>Export value is free alongside ship. Import value is Customs import value, which generally represents a value in the foreign country and therefore excludes U.S. import duties, freight, insurance, and other incurred in bringing the merchandise into the United States.

Source: U.S. Census Bureau.