

# Mineral Industry Surveys

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## TIN IN NOVEMBER 2022

Domestic reported consumption of primary refined tin in November 2022 was 1,450 metric tons (t), a 3% decrease from the reported consumption in October 2022 and a slight decrease from that in November 2021. Year to date domestic reported consumption of primary refined tin was 16,600 t, a slight decrease when compared with that of the same period of 2021. Apparent consumption of refined tin in November 2022 was 2,940 t, a 25% decrease from that in October 2022 and a 37% decrease from that in November 2021. Year to date apparent consumption of refined tin was 38,800 t, an 8% decrease from that in the same period of 2021 (table 1).

### Prices

The S&P Global Platts Metals Week average New York dealer price of Grade A tin for November 2022 was \$10.36 per pound, a 7% increase from that in October 2022, and a 47% decrease from that in November 2021. The average London Metal Exchange (LME) cash price of Grade A tin for November 2022 was \$9.58 per pound, a 9% increase from that in October 2022, and a 46% decrease from that in November 2021 (fig. 1, table 2).

tin in November 2022 were Peru (31%), Bolivia (24%), Brazil (17%), and Indonesia (16%). Year to date refined tin imports were 30,600 t, a 10% decrease from those in the same period of 2021. Year to date leading sources of refined tin were Bolivia (31%), Peru (29%), Indonesia (17%), and Brazil (13%). Total refined tin exports in November 2022 were 22 t, a decrease of 129 t from those in October 2022 and a decrease of 39 t from those in November 2021. Year to date refined tin exports were 1,230 t, a decrease of 47 t from those in the same period of 2021 (table 4).

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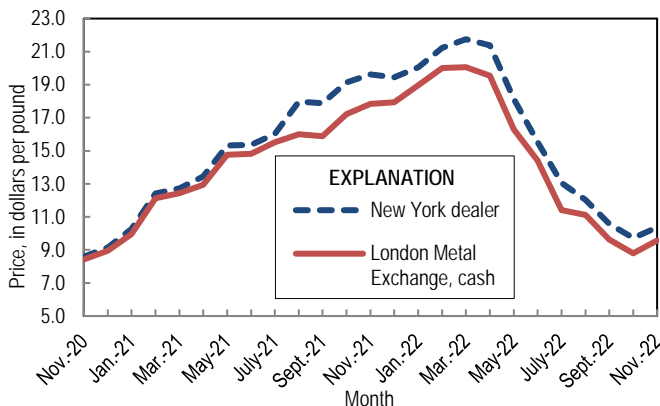


Figure 1. Average monthly prices for Grade A tin from November 2020 through November 2022. Source: S&P Global Platts Metals Week.

### U.S. Trade

Total refined tin imports in November 2022 were 2,100 t, a 34% decrease from those in October 2022 and a 45% decrease from those in November 2021. The leading sources of refined

TABLE 1  
SALIENT TIN STATISTICS<sup>1</sup>

(Metric tons, unless otherwise noted)

	2022			
	2021 <sup>P</sup>	October	November	January– November <sup>2</sup>
Production, secondary <sup>e,3</sup>	10,300	858	858	9,440
Consumption, reported:				
Primary	18,400	1,490	1,450	16,600
Secondary	680	32	21	289
Consumption, apparent <sup>4</sup>	47,100	3,910	2,940	38,800
Imports for consumption, refined tin	38,100	3,200	2,100	30,600
Exports, refined tin	1,290	151	22	1,230
Stocks at end of period	5,050	4,770	4,710	4,710
Prices (average cents per pound): <sup>5</sup>				
Metals Week New York dealer, Grade A	1,580.06	971.56	1,035.87	1,580.09
London Metal Exchange cash	1,478.14	879.56	957.71	1,452.60

<sup>e</sup>Estimated. <sup>P</sup>Preliminary.

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

<sup>2</sup>May include revisions to previous published data.

<sup>3</sup>Includes tin recovered from alloys and tinplate. The detinning of tinplate (coated steel) yields only a small part of the total.

<sup>4</sup>Defined as secondary production plus imports minus exports.

<sup>5</sup>Source: S&P Global Platts Metals Week.

TABLE 2  
AVERAGE TIN PRICES

(Cents per pound)

Period	Metals Week New York dealer, Grade A	London Metal Exchange cash
2021:		
November	1,961.25	1,782.94
December	1,944.29	1,794.01
January–December	1,580.06	1,478.14
2022:		
January	2,004.89	1,895.55
February	2,123.63	2,000.53
March	2,175.11	2,005.83
April	2,139.00	1,954.97
May	1,812.78	1,629.00
June	1,552.75	1,440.15
July	1,305.75	1,140.64
August	1,201.89	1,111.05
September	1,057.78	963.59
October	971.56	879.56
November	1,035.87	957.71
January–November	1,580.09	1,452.60

Source: S&P Global Platts Metals Week.

TABLE 3  
TINPLATE PRODUCTION AND SHIPMENTS IN THE UNITED STATES<sup>1</sup>

(Metric tons, unless otherwise noted)

Period	Tinplate (all forms)			
	Production			Shipments <sup>2</sup> (gross weight)
	Gross weight	Tin content	Tin per metric ton of plate (kilograms)	
<b>2021:</b>				
November	30,700	416	13.5	96,100
December	39,300	440	11.2	109,000
January–December	470,000	5,350	11.4	1,070,000
<b>2022:</b>				
January	37,100	439	11.8	72,400
February	33,600	416	12.4	72,900
March	41,000	443	10.8	76,300
April	40,300	380	9.4	85,900
May	44,900	449	10.0	86,100
June	42,400	443	10.4	88,100
July	42,100	443	10.5	71,100
August	41,800	430	10.3	78,000
September	36,200	420	11.6	71,600
October	32,700	429	13.1	67,300
November	36,200	400	11.0	69,400
January–November	428,000	4,690	11.0	839,000

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

<sup>2</sup>Source: American Iron and Steel Institute monthly publication.

TABLE 4  
U.S. TIN IMPORTS FOR CONSUMPTION AND EXPORTS<sup>1</sup>

(Metric tons, gross weight)

Country/locality, or product	2022			
	2021 <sup>p</sup>	October	November	January– November <sup>2</sup>
<b>Imports:</b>				
<b>Refined tin:</b>				
Belgium	323	58	58	370
Bolivia	6,830	644	514	9,480
Brazil	3,470	500	355	3,990
Indonesia	8,410	316	346	5,060
Malaysia	3,870	10	--	828
Peru	11,400	1,440	653	8,750
Poland	1,290	180	67	1,230
Thailand	287	--	48	253
Other	2,240 <sup>r</sup>	51	62	586
<b>Total</b>	<b>38,100</b>	<b>3,200</b>	<b>2,100</b>	<b>30,600</b>
<b>Other:</b>				
Alloys	1,110	83	53	673
Bars, rods, profiles, and wire	1,770	137	107	1,410
Flakes and powders	300	11	10	300
Foil	110	12	15	90
Plates, sheets, strip	38	(3)	(3)	6
Tubes, pipes, and tube and pipe fittings	38	2	2	18
Waste and scrap	18,600	1,040	1,150	10,700
Miscellaneous <sup>4</sup>	1,560	107	112	1,920
<b>Exports:</b>				
Refined tin	1,290	151	22	1,230
Alloys	630	138	35	524

<sup>p</sup>Preliminary. <sup>r</sup>Revised. -- 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 revisions to previous published data.

<sup>3</sup>Less than ½ unit.

<sup>4</sup>Includes other articles of tin not elsewhere specified or included (HTS code 8007.00.5000).

Source: U.S. Census Bureau.

TABLE 5  
REPORTED CONSUMPTION OF TIN IN THE UNITED STATES, BY FINISHED PRODUCT<sup>1</sup>

(Metric tons of contained tin)

Product	2022							
	2021 <sup>P</sup>	October			November			January– November <sup>2</sup>
		Primary	Secondary	Total	Primary	Secondary	Total	
Alloys (miscellaneous) <sup>3</sup>	1,910	154	--	154	158	--	158	1,720
Babbitt	96	13	W	13	7	W	7	92
Bronze and brass	936	50	14	64	52	11	63	738
Chemicals	3,140	193	--	193	215	--	215	2,620
Solder	1,650	154	W	154	116	W	116	1,420
Tinning	235	19	--	19	19	--	19	214
Tinplate <sup>4</sup>	5,370	429	W	429	400	W	400	4,690
Other <sup>5</sup>	5,760	480	19	499 <sup>r</sup>	479	10	489	5,380
Total reported	19,100	1,490	32	1,530	1,450	21	1,470	16,900

<sup>P</sup>Preliminary. <sup>r</sup>Revised. W Withheld to avoid disclosing company proprietary data; included with "Other." -- 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 revisions to previous published data.

<sup>3</sup>Includes terne metal.

<sup>4</sup>Includes secondary pig tin and tin components of tinplating chemical solutions.

<sup>5</sup>Includes bar tin and anodes, britannia metal, collapsible tubes and foil, jewelers' metal, pewter, tin powder, type metal, and white metal.