

# Mineral Industry Surveys

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## TIN IN SEPTEMBER 2019

Domestic reported consumption of primary refined tin in September 2019 was 1,630 metric tons (t), 5% less than the primary consumption in August 2019. Apparent consumption of refined tin in September 2019 was 4,140 t, 83% more than the apparent consumption in August 2019 (table 1).

**Prices**

The Platts Metals Week average New York dealer price of Grade A tin for September 2019 was \$7.84 per pound, a slight increase from \$7.76 per pound in August 2019. The average London Metal Exchange cash price of Grade A tin for September 2019 was \$7.63 per pound, a slight increase from \$7.51 per pound in August 2019 (fig. 1, table 2).

**U.S. Trade**

Total refined tin imports in September 2019 were 3,390 t, a 114% increase from the 1,590 t of imports in August 2019 (table 4). The leading sources of refined tin in September 2019 were Bolivia (23%), Indonesia (22%), Malaysia (22%), Peru (18%), and Brazil (9%).

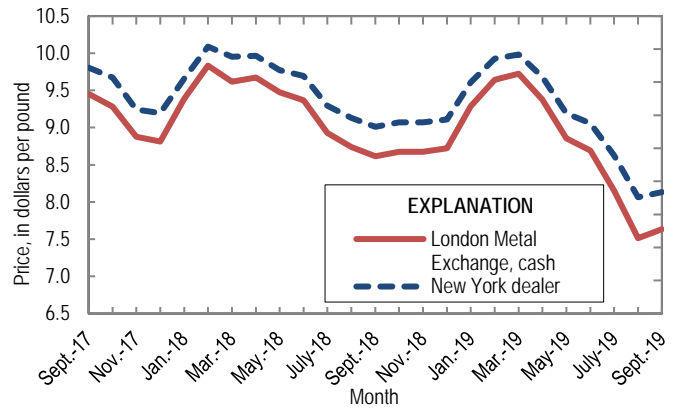


Figure 1. Average monthly prices for Grade A tin from September 2017 through September 2019. Source: Platts Metals Week.

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

(Metric tons, unless otherwise noted)

	2019			
	2018 <sup>p</sup>	August	September	January– September <sup>2</sup>
Production, secondary <sup>e,3</sup>	10,300	858	858	6,860
Consumption, reported:				
Primary	20,100	1,710	1,630	15,200
Secondary	2,400	198	198	1,750
Consumption, apparent <sup>4</sup>	46,100	2,270	4,140	32,700
Imports for consumption, refined tin	36,800	1,590	3,390	26,700
Exports, refined tin	962	180 <sup>r</sup>	102	774
Stocks at end of period	5,570	4,790	4,820	4,820
Prices (average cents per pound): <sup>5</sup>				
Metals Week New York dealer, Grade A	935.87	775.89	783.67	896.57
London Metal Exchange cash	914.31	751.27	763.33	876.47

<sup>e</sup>Estimated. <sup>p</sup>Preliminary. <sup>r</sup>Revised.

<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: Platts Metals Week.

TABLE 2  
AVERAGE TIN PRICES

(Cents per pound)

Period	Metals Week New York dealer, Grade A	London Metal Exchange cash
2018:		
September	882.38	861.35
October	889.00	867.37
November	889.38	867.72
December	893.57	872.33
January–December	935.87	914.31
2019:		
January	949.88	928.81
February	985.63	964.47
March	991.88	972.45
April	958.11	937.61
May	902.88	885.42
June	888.00	869.23
July	839.50	815.60
August	775.89	751.27
September	783.67	763.33
January–September	896.57	876.47

Source: 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)	
2018:				
September	39,800	381	9.6	79,000
October	45,400	383	8.5	100,000
November	40,100	384	9.6	88,000
December	42,100	389	9.1	88,900
January–December	487,000	4,600	9.3	985,000
2019: <sup>P</sup>				
January	30,600	399	13.0	76,100
February	45,100	432	9.6	81,500
March	42,000	390	9.3	72,800
April	42,600	383	9.0	70,900
May	44,800	390	8.7	86,000
June	47,200	413	8.7	75,500
July	37,100	384	10.3	75,500
August	40,200	405	10.1	78,800
September	22,400	362	16.1	79,000
January–September	352,000	3,560	10.5	696,000

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

<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	2018 <sup>p</sup>	2019		
		August	September	January – September <sup>2</sup>
<b>Imports:</b>				
Refined tin:				
Belgium	112	20	22	252
Bolivia	6,310	325	776	4,990
Brazil	2,740	176	301	2,180
Canada	61	2	1	4
China	1,310	--	--	1,340
Indonesia	10,500	115	740	3,380
Malaysia	7,590	215	728	5,480
Peru	6,660	611	620	6,180
Poland	731	67	135	895
Thailand	422	55	65	443
Other	340	--	--	1,530
<b>Total</b>	<b>36,800</b>	<b>1,590</b>	<b>3,390</b>	<b>26,700</b>
<b>Other:</b>				
Alloys	1,430	62 <sup>r</sup>	79	731
Bars, rods, profiles, and wire	1,460	115	78	1,050
Flakes and powders	189	11	8	91
Foil	91	(3)	10	40
Plates, sheets, strip	89	5	9	46
Tubes, pipes, and tube and pipe fittings	143	28	--	146
Waste and scrap	47,700	2,900	2,050	25,300
Miscellaneous <sup>4</sup>	1,060	68	79	729
<b>Exports:</b>				
Refined tin	962	344 <sup>r</sup>	200	2,190
Alloys	885	180 <sup>r</sup>	102	774

<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	2019								
	2018 <sup>p</sup>	August			September			January– September <sup>2</sup>	
		Primary	Secondary	Total	Primary	Secondary	Total		
Alloys (miscellaneous) <sup>3</sup>	2,230	196	--	196	196	--	196	1,740	
Babbitt	231	16	W	16	14	W	14	173	
Bronze and brass	1,720	58	82	140	57	82	140	1,260	
Chemicals	3,850	343	W	343	315	--	315	3,000	
Solder	3,630	192	W	192	188	W	188	2,590	
Tinning	269	25	--	25	22	--	22	209	
Tinplate <sup>4</sup>	4,680	405	W	405	362	W	362	3,580	
Other <sup>5</sup>	5,900	478	116	594	480	114	594	4,360	
Total reported	22,500	1,710	198	1,910	1,630	196	1,830	16,900	

<sup>p</sup>Preliminary. 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 britannia metal, collapsible tubes and foil, jewelers' metal, pewter, tin powder, type metal and white metal.