

Mineral Industry Surveys

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TIN IN JULY 2023

Domestic reported consumption of primary refined tin in July 2023 was 1,480 metric tons (t), essentially unchanged from the revised amount in June 2023, and a slight decrease from that in July 2022. Apparent consumption of refined tin in July 2023 was 3,550 t, an 18% increase from that in June 2023, and a 3% increase from that in July 2022 (table 1).

Prices

The S&P Global Platts Metals Week average New York dealer price of Grade A tin for July 2023 was \$14.04 per pound, a 7% increase from that in June 2023, and an 8% increase from that in July 2022. The average London Metal Exchange (LME) cash price of Grade A tin for July 2023 was \$13.03 per pound, a 5% increase from that in June 2023, and a 14% increase from that in July 2022 (fig. 1, table 2).

U.S. Trade

Total refined tin imports in July 2023 were 2,830 t, a 28% increase from those in June 2023 and a 6% increase from those in July 2022. The leading sources of refined tin in July 2023 were Peru (37%), Indonesia (25%), Bolivia (23%) and Brazil (8%). In July, imports to Malaysia decreased by 89% (400 t), while increasing to Bolivia by 84% (299 t) and Peru by 60% (393 t). Total refined tin exports in July 2023 were 137 t, an increase of 79 t from those in June 2023 and an increase of 37 t from those in July 2022 (table 4).

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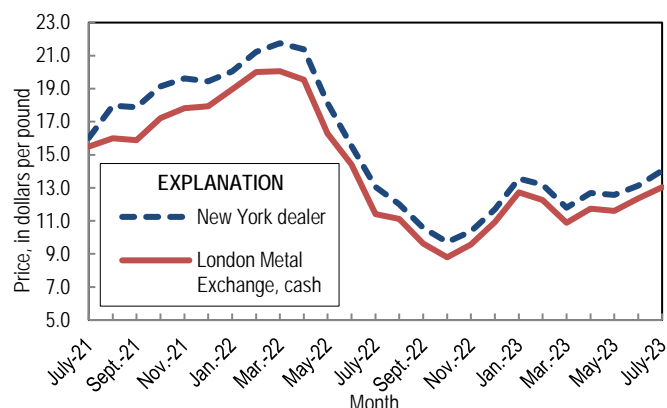


Figure 1. Average monthly prices for Grade A tin from July 2021 through July 2023. Source: S&P Global Platts Metals Week.

TABLE 1
SALIENT TIN STATISTICS¹

(Metric tons, unless otherwise noted)

	2022	2023		
		June	July	January– July ²
Production, secondary ^{e, 3}	10,300	858	858	6,010
Consumption, reported:				
Primary	18,000	1,490 ^r	1,480	10,500
Secondary	311	27	22	178
Consumption, apparent ⁴	42,200	3,000	3,550	22,400
Imports for consumption, refined tin	33,200	2,200	2,830	17,000
Exports, refined tin	1,310	58	137	599
Stocks at end of period	5,020	4,890	5,140	5,140
Prices (average cents per pound): ⁵				
Metals Week New York dealer, Grade A	1,545.94	1,314.11	1,404.25	1,300.05
London Metal Exchange cash	1,422.55	1,235.74	1,303.07	1,209.11

^eEstimated. ^rRevised.

¹Data are rounded to no more than three significant digits, except prices.

²May include revisions to previously published data.

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

⁴Defined as secondary production plus imports minus exports.

⁵Source: 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
2022:		
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
December	1,170.25	1,092.02
January–December	1,545.94	1,422.55
2023:		
January	1,356.78	1,272.70
February	1,319.25	1,226.84
March	1,178.89	1,088.50
April	1,269.38	1,176.35
May	1,257.67	1,160.57
June	1,314.11	1,235.74
July	1,404.25	1,303.07
January–July	1,300.05	1,209.11

Source: S&P Global Platts Metals Week.

TABLE 3
TINPLATE PRODUCTION AND SHIPMENTS IN THE UNITED STATES¹

(Metric tons, unless otherwise noted)

Period	Tinplate (all forms)			
	Production			Shipments ² (gross weight)
	Gross weight	Tin content	Tin per metric ton of plate (kilograms)	
2022:				
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
December	31,700	410	13.0	54,900
January–December	460,000	5,100	11.1	894,000
2023:				
January	29,900	405	13.5	62,400
February	28,300	399	14.1	54,800
March	31,400	418	13.3	59,500
April	33,300	416	12.5	57,200
May	33,300	415	12.4	63,100
June	31,600 ^r	417 ^r	13.2 ^r	62,300
July	25,700	385	15.0	56,600
January–July	232,000	2,850	13.4	416,000

^rRevised.

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

²Source: American Iron and Steel Institute monthly publication.

TABLE 4
U.S. TIN IMPORTS FOR CONSUMPTION AND EXPORTS¹

(Metric tons, gross weight)

Country/locality, or product	2022 ^p	2023		
		June	July	January– July ²
Imports:				
Refined tin:				
Belgium	433	43	6	242
Bolivia	10,600	354	653	4,290
Brazil	4,390	125	225	1,850
Canada	281	24	12	155
Indonesia	5,250	366	704	2,170
Japan	66	1	2	14
Malaysia	878	450	50	1,960
Peru	9,400	653	1,050	5,020
Poland	1,370	135	45	652
Thailand	279	50	26	225
Other	269	--	60	369
Total	33,200	2,200	2,830	17,000
Other:				
Alloys	735	75	67	558
Bars, rods, profiles, and wire	1,510	202	124	934
Flakes and powders	308	3	8	32
Foil	90	1	15	33
Plates, sheets, strip	6	(3)	(3)	1
Tubes, pipes, and tube and pipe fittings	19	28	28	127
Waste and scrap	11,600	579	670	5,570
Miscellaneous ⁴	2,010	54	65	493
Exports:				
Refined tin	1,310	58	137	599
Alloys	531	58	31	367

^pPreliminary. -- Zero.

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

²May include revisions to previously published data.

³Less than ½ unit.

⁴Includes 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 PRODUCT¹

(Metric tons of contained tin)

Product	2022 ^p	2023						January– July ²
		June			July			
		Primary	Secondary	Total	Primary	Secondary	Total	
Alloys (miscellaneous) ³	1,910	158	--	158	165	--	165	1,100
Babbitt	112	9	W	9	11	W	11	78
Bronze and brass	810	45	9	54	44	9	53	411
Chemicals	2,800	230	--	230	211	--	211	1,620
Solder	1,600	122	W	122	155	W	155	965
Tinning	233	28	--	28	28	--	28	198
Tinplate ⁴	5,120	417 ^r	W	417 ^r	385	W	385	2,850
Other ⁵	5,770	480	18	498	481	13	494	3,460
Total reported	18,400	1,490 ^r	27	1,520 ^r	1,480	22	1,500	10,700

^rRevised. ^pPreliminary. W Withheld to avoid disclosing company proprietary data; included with "Other." -- Zero.

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

²May include revisions to previously published data.

³Includesterne metal.

⁴Includes secondary pig tin and tin components of tinplating chemical solutions.

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