

Mineral Industry Surveys

For information, contact:

Adam M. Merrill, Tin Commodity Specialist (Acting)
National Minerals Information Center
Telephone: (703) 648-7715
Email: amerrill@usgs.gov

Sidney Deloach-Overton (Data)

Telephone: (703) 648-4927

Email: sdeloach-overton@usgs.gov

Internet: <https://www.usgs.gov/centers/national-minerals-information-center/mineral-industry-surveys>

TIN IN JUNE 2023

Domestic reported consumption of primary refined tin in June 2023 was 1,470 metric tons (t), essentially unchanged from the reported consumption in May 2023, and a 3% decrease from that in June 2022. Midyear 2023 domestic reported consumption of primary refined tin was 9,010 t, slightly less than that at midyear 2022. Apparent consumption of refined tin in June 2023 was 3,000 t, a 34% decrease from that in May 2023, and a 7% increase from that in June 2022. Midyear 2023 apparent consumption of refined tin was 18,800 t, comprising of 14,100 t of imports and 5,100 t of secondary production minus 460 t of exports. Midyear 2023 apparent consumption was 19% less than that at midyear 2022 (table 1).

Prices

The S&P Global Platts Metals Week average New York dealer price of Grade A tin for June 2023 was \$13.14 per pound, a 4% increase from that in May 2023, and a 15% decrease from that in June 2022. The average London Metal Exchange (LME) cash price of Grade A tin for June 2023 was \$12.36 per pound, a 6% increase from that in May 2023, and a 14% decrease from that in June 2022 (fig. 1, table 2).

U.S. Trade

Total refined tin imports in June 2023 were 2,200 t, a 41% decrease from those in May 2023 and a 5% increase from those in June 2022. The leading sources of refined tin in June 2023 were Peru (30%), Malaysia (20%), Indonesia (17%), and Bolivia (16%). Midyear 2023 refined tin imports were 14,100 t, a 24% decrease from those in the same period of 2022. Midyear leading sources of refined tin were Peru (28%), Bolivia (26%), Malaysia (14%), Brazil (12%), and Indonesia (10%). Total refined tin exports in June 2023 were 58 t, an increase of 2 t from those in May 2023 and a decrease of 86 t from those in June 2022. Midyear 2023 refined tin exports were 462 t, a decrease of 325 t from those in the same period of 2022 (table 4).

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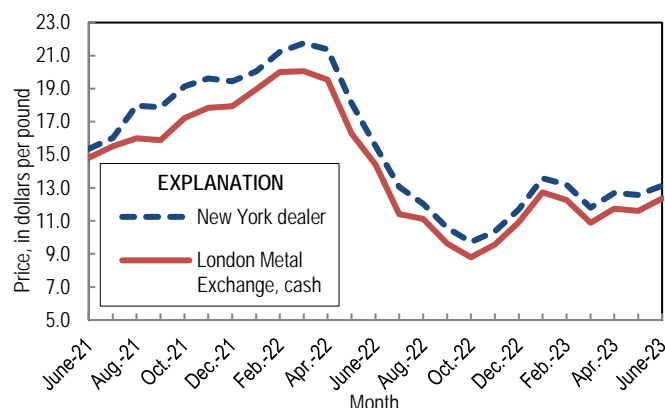


Figure 1. Average monthly prices for Grade A tin from June 2021 through June 2023. Source: S&P Global Platts Metals Week.

TABLE 1
SALIENT TIN STATISTICS¹

(Metric tons, unless otherwise noted)

	2022	2023		
		May	June	January– June ²
Production, secondary ^{e, 3}	10,300	858	858	5,150
Consumption, reported:				
Primary	18,000	1,490	1,470	9,010
Secondary	311	20	27	156
Consumption, apparent ⁴	42,200	4,560	3,000	18,800
Imports for consumption, refined tin	33,200	3,760	2,200	14,100
Exports, refined tin	1,310	56	58	462
Stocks at end of period	5,020	4,800	4,890	4,890
Prices (average cents per pound): ⁵				
Metals Week New York dealer, Grade A	1,545.94	1,257.67	1,314.11	1,282.68
London Metal Exchange cash	1,422.55	1,160.57	1,235.74	1,193.45

^eEstimated.

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:		
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
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
January–June	1,282.68	1,193.45

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:				
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
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	32,100	399	12.4	62,300
January–June	189,000	2,450	13.0	359,300

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		
		May	June	January–June ²
Imports:				
Refined tin:				
Belgium	433	46	43	237
Bolivia	10,600	825	354	3,640
Brazil	4,390	315	125	1,630
Canada	281	16	24	143
Indonesia	5,250	65	366	1,460
Japan	66	11	1	13
Malaysia	878	725	450	1,910
Peru	9,400	1,560	653	3,970
Poland	1,370	90	135	607
Thailand	279	23	50	199
Other	269 ^r	81 ^r	--	309
Total	33,200	3,760	2,200	14,100
Other:				
Alloys	735	67	75	491
Bars, rods, profiles, and wire	1,510	119	202	810
Flakes and powders	308	2	3	24
Foil	90	(3)	1	17
Plates, sheets, strip	6	(3)	(3)	1
Tubes, pipes, and tube and pipe fittings	19	66	28	99
Waste and scrap	11,600	1,140	579	4,900
Miscellaneous ⁴	2,010	38	54	427
Exports:				
Refined tin	1,310	56	58	462
Alloys	531	78	58	336

^rRevised. ^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						
		May			June			January– June ²
		Primary	Secondary	Total	Primary	Secondary	Total	
Alloys (miscellaneous) ³	1,910	163	--	163	158	--	158	934
Babbitt	112	9	W	9	9	W	9	68
Bronze and brass	810	44	9	53	45	9	54	358
Chemicals	2,800	225	--	225	230	--	230	1,410
Solder	1,600	122	W	122	122	W	122	810
Tinning	233	28	--	28	28	--	28	169
Tinplate ⁴	5,120	415	W	415	399	W	399	2,450
Other ⁵	5,770	480	11	491	480	18	498	2,970
Total reported	18,400	1,490	20	1,510	1,470	27	1,500	9,170

^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.