

Mineral Industry Surveys

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MOLYBDENUM IN MAY 2025

Domestic production of molybdenum in concentrate in May 2025 increased by 3% compared with the output of the previous month and increased by 25% compared with the output in May 2024 (fig. 1, table 1).

In May 2025, exports of molybdenum ore and concentrates (both roasted and unroasted) totaled approximately 4,700 metric tons (t) (gross weight), a 15% decrease compared with 5,530 t in April 2025 (table 2). In May 2025, U.S. imports of molybdenum ore and concentrates (both roasted and unroasted) totaled approximately 3,080 t (gross weight), a 26% increase compared with 2,440 t (gross weight) imported in April 2025 (table 4).

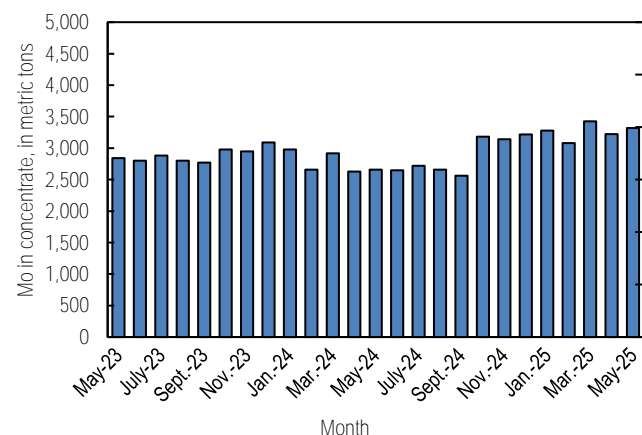


Figure 1. Monthly domestic production of molybdenum (Mo) in concentrate from May 2023 through May 2025. (May include revisions to previously published data.)

Prices

According to Argus Non-Ferrous Markets, the monthly price for U.S. ferromolybdenum (FeMo), 65% molybdenum content, averaged \$24.960 per pound of molybdenum content in May 2025 compared with \$23.819 per pound of molybdenum content in April 2025. U.S. molybdic oxide (MoO_3) prices, 57% molybdenum content, averaged \$20.780 per pound of molybdenum content in May 2025 compared with \$20.813 per pound of molybdenum content in April 2025 (fig. 2). The

monthly price for European FeMo, 65–70% molybdenum content, averaged \$48.483 per kilogram (\$21.992 per pound) of molybdenum content in May 2025 compared with \$48.553 per kilogram (\$22.023 per pound) of molybdenum content in April 2025.

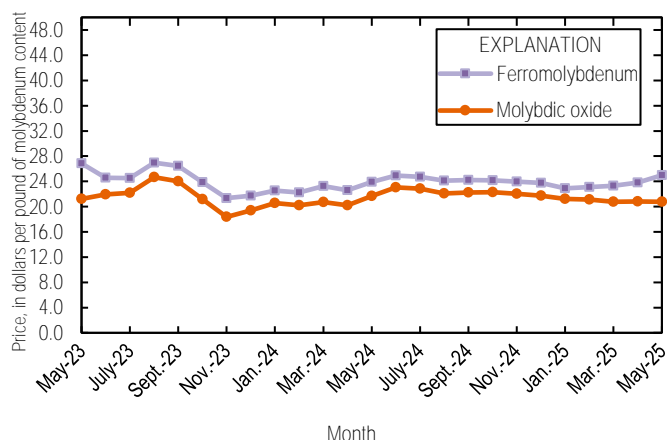


Figure 2. Average monthly prices for U.S. ferromolybdenum and molybdic oxide from May 2023 through May 2025. Source: Argus Media, Argus Non-Ferrous Markets.

A worksheet has been added to the Excel table files that includes a button to remove text and numerical footnotes from data cells. This will allow users to only have numbers in data cells. Please see the worksheet titled RemoveTextButton for instructions in how to use the tool. Note: you must download the excel file to use the tool.

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Table 1. U.S. salient molybdenum concentrate statistics.

[Data are rounded to no more than three significant digits; may not add to totals shown. Table includes annual or quarterly published data from Freeport-McMoran Inc. (2024–2025) that has been adjusted by the USGS to reflect estimated monthly data. Data are in metric tons, molybdenum content. Revised data are marked with a superscript “r”.]

Period	Production	Shipments^{1,2}
2024		
January	2,980	2,980
February	2,660	2,730
March	2,920	2,880
April	2,630	2,640
May	2,650	2,670
June	2,650	2,590
July	2,720	2,690
August	2,660	2,750
September	2,560	2,510
October	3,180	3,210
November	3,140	3,080
December	3,220	3,170
January–December	34,000	33,900
2025		
January	3,280	3,420
February	3,080	3,030
March	3,420 ^r	3,370
April	3,220	3,220
May	3,320	3,410
January–May	16,300	16,400

¹As reported by producers.

²Shipments include sales to domestic customers, sales for export, and transfers to other company plants.

Table 2. U.S. exports of molybdenum ores and concentrates (including roasted and unroasted concentrates). By country or locality.
[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in kilograms, gross weight. Revised data are marked with a superscript "r". Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Country or locality	2024		2025			
	January–December	May	January–May	April	May	January–May
Belgium	1,150,000	104,000	663,000	303,000	182,000	1,100,000
Brazil	442,000	84,600	232,000	1,090	1,970	6,190
Canada	627,000	53,900	268,000	54,900	61,900	317,000
Chile	608,000	99,800	461,000	290,000	114,000	473,000
China	3,490,000	7,540	1,900,000 ^r	608,000	0	2,250,000
Czechia	217	0	217	0	0	0
Ecuador	1,090	0	0	0	646	1,740
France ¹	1,370	0	0	0	10,600	13,300
Germany	353	0	0	0	0	0
India	215,000	39,400	77,400	86,900	153,000	475,000
Italy	10,700	10,700	10,700	0	0	30,500
Japan	2,990,000	273,000	984,000	391,000	277,000	1,110,000
Korea, Republic of	741,000	58,800	312,000	95,300	76,000	414,000
Latvia	2,120	0	2,120	0	0	0
Lithuania	6,710	0	0	0	0	0
Mexico	536,000	0	0	117,000	136,000	329,000
Netherlands	22,700,000	2,220,000	8,420,000	3,070,000	3,150,000	13,300,000
Singapore	16,200	0	16,200	0	0	0
Sweden	0	0	0	0	0	92,200
Taiwan	118,000	0	0	0	0	0
Thailand	83,900	4,330	45,200	20,400	31,500	185,000
United Arab Emirates	0	0	0	0	0	196
United Kingdom	11,500,000	451,000	4,780,000	453,000	470,000	3,890,000
Vietnam	444,000	143,000	270,000	44,100	37,800	163,000
Total	45,700,000	3,550,000	18,400,000^r	5,530,000	4,700,000	24,100,000

¹Includes Mayotte

Table 3. U.S. exports of ferromolybdenum, by country or locality.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in kilograms, molybdenum content. Revised data are marked with a superscript "r". Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Country or locality	2024		2025			
	January–December	May	January–May	April	May	January–May
Argentina	2,140	0	0	0	0	2,830
Canada	160,000	12,200 ^r	35,500 ^r	0	13,600	83,300
Israel	0	0	0	272	0	272
Mexico	282,000	62,600 ^r	251,000 ^r	0	207	522
Sweden	0	0	0	0	368	368
United Kingdom	211	0	0	0	0	0
Total	445,000	74,700 ^r	286,000 ^r	272	14,200	87,300

Table 4. U.S. imports for consumption of molybdenum products.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in kilograms, unless otherwise specified. NA Not available; — Not applicable. Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Material	2024			2025					
	January–December			May			January–May		
	Gross weight	Molybdenum content	Value ¹ (thousand dollars)	Gross weight	Molybdenum content	Value ¹ (thousand dollars)	Gross weight	Molybdenum content	Value ¹ (thousand dollars)
Molybdenum chemicals									
Oxides and hydroxides	4,280,000	NA	\$141,000	189,000	NA	\$5,760	1,560,000	NA	\$50,000
Molybdates of ammonium	1,130,000	639,000	32,000	60,900	34,400	1,630	329,000	186,000	8,870
Molybdates (all others)	186,000	73,800	3,670	19,500	7,730	423	57,200	22,800	1,100
Molybdenum orange	120,000	NA	527	11,100	NA	59	103,000	NA	389
Other									
Ores and concentrates, roasted	2,320,000	1,440,000	68,500	293,000	181,000	8,000	1,200,000	743,000	33,700
Ores and concentrates, other	27,000,000	13,300,000	542,000	2,780,000	1,370,000	54,600	13,500,000	6,580,000	271,000
Ferromolybdenum	8,080,000	5,440,000	248,000	629,000	416,000	19,900	3,290,000	2,210,000	105,000
Molybdenum powders	76,300	75,200	4,750	1,080	1,080	102	5,980	5,740	404
Molybdenum unwrought, bars and rods	999,000	996,000	57,100	33,400	33,100	2,300	359,000	358,000	20,800
Molybdenum waste and scrap	1,740,000	1,690,000	96,800	219,000	211,000	10,900	879,000	825,000	45,600
Molybdenum wire	21,200	NA	2,730	767	NA	160	6,730	NA	1,060
Molybdenum, other	190,000	NA	27,600	10,900	NA	1,780	79,300	NA	11,600
Total	46,200,000	—	1,220,000	4,250,000	—	106,000	21,300,000	—	549,000

¹Customs value.