

Mineral Industry Surveys

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MARKETABLE PHOSPHATE ROCK AND POTASH—CROP YEAR 2025

Because the growth cycles for most agricultural commodities do not coincide with the calendar year, the fertilizer industry tracks fertilizer use by crop year (July 1 through June 30 of 2 consecutive years). Taking that into account, the U.S. Geological Survey compiles phosphate rock and potash data by calendar year and crop year.

Marketable Phosphate Rock

Phosphate rock data for this report were collected through semiannual canvasses of U.S. phosphate rock producers. Three of the six companies that produced phosphate rock in the United States participated in the voluntary surveys in the crop year, representing more than 65 percent of the production, use, and value data shown in the tables. Data for nonrespondent companies were estimated from individual company financial reports. U.S. production of marketable phosphate rock was estimated to be 19.7 million metric tons (Mt) in crop year 2025, which ended June 30, 2025, which was unchanged from that in crop year 2024 (tables 1, 2).

Marketable phosphate rock sold or used was estimated to be 18.1 Mt, which was 5 percent lower than that in crop year 2024 (tables 1, 3). The manufacturing of wet-process phosphoric acid for fertilizers and animal feed supplements was estimated to have accounted for more than 95 percent of phosphate rock consumption. The remainder was used to produce defluorinated phosphate rock, elemental phosphorus, and ground phosphate rock for organic farming.

Domestic apparent consumption was estimated to be 21.8 Mt, which was 2 percent lower than that in crop year 2024. Estimated producers' stocks were 8.61 Mt at the end of crop year 2025, which were 11 percent lower than those in crop year 2024 (table 1).

The average unit value of marketable phosphate rock used in the United States was estimated to be \$103 per metric ton, which was 2 percent higher than that in crop year 2024. Imports of phosphate rock increased by 16 percent over those in crop year 2024 to 3.69 Mt (table 1). U.S. phosphate rock producers reported no exports of phosphate rock in crop year 2025.

Potash

Potash data for this report were collected through semi-annual canvasses of U.S. potash producers. Two of the three companies that produced potash in the United States participated in the surveys, representing about 75 percent of the production, use, and value data shown in the tables. Data for the nonrespondent company was taken from company financial reports.

U.S. production of potash was 470,000 metric tons (t) of K_2O equivalent, which was 15 percent higher than that in crop year 2024. Sales of potash were 440,000 t, which were 13 percent higher than those in crop year 2024 (table 4).

Imports of potash were 5.71 Mt of K_2O , which was 4 percent lower than those in crop year 2024. The total customs value of potash imports was \$2.34 billion, which was 12 percent lower than that in crop year 2024 (tables 4, 7). Exports were 199,000 t of K_2O , which were 2.07 times greater than those in crop year 2024. The total value of exports increased by 38 percent over those in crop year 2024 to \$207 million (tables 4, 6).

The total value of potash sales increased by 2 percent over those in crop year 2024 to \$510 million (table 4). The average unit value for all forms of potash (K_2O equivalent) was 9 percent lower than that in crop year 2024. The average unit value for standard muriate of potash (MOP) decreased by 5 percent from that in crop year 2024 and the average unit value for granular MOP, decreased by 10 percent from that in crop year 2024 (table 5).

Apparent consumption of all forms of potash decreased by 3 percent from that in crop year 2024 to 6.0 Mt of K_2O (table 4).

List Services

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GENERAL INFORMATION

This publication is provided by the National Minerals Information Center (NMIC), U.S. Geological Survey (USGS).

Includes data available through May 19, 2026, unless otherwise noted.

NMIC data included in Excel tables of the Minerals Yearbook Chapters and Minerals Industry Surveys are considered preliminary, for informational purposes only.

Comprehensive data releases and list services for NMIC publications are available at <https://www.usgs.gov/centers/national-minerals-information-center>. Data in these tables may not include granular footnotes.

Unless otherwise noted, totals, United States (U.S.) data, and estimated data are rounded to no more than three significant digits, except prices; may not add to totals shown. Data may include revisions to previously published data.

FOOTNOTES AND TERMINOLOGY

Year-to-date indicates the sum of all months or quarters for the given year to the given period.

Estimated data contained in a row or column are marked with a superscript "e." Preliminary data contained in a row or column are marked with a superscript "p."

Do, ditto. NA, not available. No., number. W, withheld to avoid disclosing company proprietary data. —, not applicable. <0.5, less than half a unit.

TRADE DATA

Trade data is sourced from the U.S. Census Bureau (<https://usatrade.census.gov/>). "HTS" indicates the Harmonized Tariff Schedule of the United States code. "Schedule B" indicates the Schedule B of the United States number.

Imports refers to "imports for consumption." Import valuation is customs value, free-alongside-ship basis.

Exports refers to "domestic exports." Export valuation is on a free-alongside-ship basis.

CONTACT

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If you are an industry producer or consumer and would like to contribute to NMIC industry surveys, please contact Joseph Kohler, jkohler@usgs.gov.

Table 1. Salient U.S. phosphate rock statistics.

[Data are in thousand metric tons and thousand dollars, unless otherwise specified.]

Category	Crop year ¹	
	2024	2025
Mine production (crude ore)		
Total	95,000	94,100
Marketable phosphate rock		
Production	19,700	19,700
P ₂ O ₅ content	5,650	5,530
Value ^e	2,000,000	2,060,000
Average, dollars per metric ton ^{e, 2}	101	104
Sold or used		
By producers	19,200	18,100
P ₂ O ₅ content	5,490	5,120
Value ^e	1,940,000	1,870,000
Average, dollars per metric ton ^{e, 2}	101	103
Imports for consumption		
Quantity	3,180	3,690
Cost, insurance, and freight value	418,000	434,000
Average, dollars per metric ton	131.37	117.58
Other		
Consumption ³	22,300	21,800
Stocks, June 30, producers ^e	9,670	8,610

¹July 1-June 30.

²Average value is based on sold or used values.

³Expressed as sold or used plus imports.

Table 2. Production of phosphate rock in the United States.

[Data are in thousand metric tons and thousand dollars.]

Period	Mine production, crude ore		Marketable production, beneficiated			
	Rock	P ₂ O ₅ content	Rock	P ₂ O ₅ content	Value ¹	Stocks, end of period, rock
Crop Year 2024^e						
Total	95,000	8,260	19,700	5,650	2,000,000	—
Crop Year 2025^e						
July–December 2024	44,300	4,330	9,530	2,650	918,000	8,740
January–June 2025	49,800	4,270	10,100	2,880	1,140,000	8,610
Total	94,100	8,610	19,700	5,530	2,060,000	—

¹Based on the per ton sold or used values.

Table 3. Phosphate rock sold or used by producers in the United States.
 [Data are in thousand metric tons and thousand dollars.]

Period	Rock	P ₂ O ₅ content	Value ¹
Crop Year 2024^e			
Total	19,200	5,490	1,940,000
Crop Year 2025^e			
July–December 2024	9,540	2,670	925,000
January–June 2025	8,580	2,450	948,000
Total	18,100	5,120	1,870,000

¹Free on board mine.

Table 4. Salient U.S. potash statistics.

[Data are in thousand metric tons and thousand dollars.]

Category ^{1, 2}	Year ending June 30	
	2024	2025
Production²		
Gross weight	1,100	1,200
K ₂ O equivalent	410	470
Sales by producers, quantity²		
Gross weight	1,100	1,200
K ₂ O equivalent	390	440
Sales by producers, value^{2, 3}		
Total	500,000	510,000
Sales by producers, average value⁴		
Gross weight, dollars per metric ton	445	405
K ₂ O equivalent, dollars per metric ton	1,275	1,160
Exports		
Gross weight	335	519
K ₂ O equivalent	96	199
Value	150,000	207,000
Imports for consumption, quantity^{5, 6}		
Gross weight	9,790	9,060
K ₂ O equivalent	5,930	5,710
Imports for consumption, value, customs		
Total	2,670,000	2,340,000
Consumption, apparent^{2, 7}		
Gross weight	11,000	980
K ₂ O equivalent	6,200	6,000

¹Includes muriate of potash, sulfate of potash, potassium magnesium sulfate, and some parent salts. Excludes other chemical compounds that contain potassium.

²Data are rounded to no more than two significant digits.

³Free on board mine.

⁴Rounded to the nearest \$5 to avoid disclosing proprietary data.

⁵Excludes potassium chemicals and mixed fertilizers.

⁶Includes nitrate of potash.

⁷Calculated from sales plus imports minus exports.

Table 5. Prices of U.S. potash, by type and grade.[Data are rounded to nearest \$5. Data are in dollars per metric ton of K₂O equivalent.]

Data are rounded to nearest \$\$. Data are in dollars per metric ton or kgO equivalent.				
Type and grade	Crop Year 2024, average value	Crop Year 2025		
		July–December 2024	January–June 2025	Average value
	Muriate, 60% K ₂ O minimum ¹			
Standard	660	690	575	630
Granular	680	635	595	610

¹ Average prices, free on board mine, based on sales.

Table 6. U.S. exports of potash.

[Data are in thousand metric tons and thousand dollars; adjusted by the U.S. Geological Survey.]

Type	Approximate average K ₂ O content (percent)	July–December 2024			January–June 2025			Year ending June 30, 2025		
		Product	K ₂ O equivalent	Value	Product	K ₂ O equivalent	Value	Product	K ₂ O equivalent	Value
Potassium chloride, all grades	61	79,800	48,700	25,600	103,000	62,700	23,400	183,000	111,000	48,900
Potassium nitrate	45	4,830	2,170	5,240	3,900	1,750	4,210	8,730	3,930	9,450
Potassium sulfate ¹	24	193,000	51,200	90,000	135,000	32,600	58,500	328,000	83,800	149,000
Total	—	278,000	102,000	121,000	242,000	97,000	86,100	519,000	199,000	207,000

¹Includes potassium magnesium sulfate.

Table 7. U.S. imports of potash.

[Data are in thousand metric tons and thousand dollars; adjusted by the U.S. Geological Survey.]

Type	Approximate average K ₂ O content (percent)	July–December 2024			January–June 2025			Year ending June 30, 2025		
		Product	K ₂ O equivalent	Value	Product	K ₂ O equivalent	Value	Product	K ₂ O equivalent	Value
Potassium chloride	62	4,650,000	2,870,000	1,150,000	4,150,000	2,740,000	1,020,000	8,790,000	5,600,000	2,170,000
Potassium sulfate	51	47,500	24,200	32,600	37,500	19,100	23,200	84,900	43,300	54,800
Potassium nitrate	45	51,600	23,200	40,900	65,700	29,600	38,900	117,000	52,800	79,700
Mineral or chemical fertilizer, potass	14	43,300	6,060	23,100	17,300	2,420	9,820	60,600	8,480	33,000
Total	—	4,790,000	2,920,000	1,250,000	4,270,000	2,790,000	1,090,000	9,060,000	5,710,000	2,340,000