

Mineral Industry Surveys

For information, contact:

Stephen M. Jasinski, Phosphate Rock Commodity Specialist
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-7711, Fax: (703) 648-7757
E-mail: sjasinsk@usgs.gov

Raymond I. Eldridge III (Data)
Telephone: (703) 648-7982
Fax: (703) 648-7975
E-mail: reldridge@usgs.gov

Internet: <http://minerals.usgs.gov/minerals>

MARKETABLE PHOSPHATE ROCK—CROP YEAR 2008

U.S. production of marketable phosphate rock was 30.3 million metric tons (Mt) in Crop Year 2008 (July 1, 2007 through June 30, 2008) compared with 29.6 Mt in Crop Year 2007, according to the U.S. Geological Survey (USGS).

Data for this report were collected through semi-annual canvasses of U.S. phosphate rock producers. All companies that produced phosphate rock in the United States participated in the voluntary surveys, representing 100% of the production, use, and value data shown in the tables. Trade data were provided by the U.S. Census Bureau and the Moroccan phosphate producer.

Marketable phosphate rock used was 31.4 Mt, a 4% increase over that of Crop Year 2007. There were no reported sales of phosphate rock. The manufacturing of wet-process phosphoric acid for fertilizers and animal feed supplements was estimated to have accounted for more than 95% of phosphate rock consumption. The remainder was used to produce elemental

phosphorus, defluorinated phosphate rock, or for direct application to soil.

Estimated domestic phosphate rock consumption increased by 5% to 34.2 Mt compared with 32.7 Mt in Crop Year 2007. Producers' stocks decreased by 20% to 4.89 Mt from 6.10 Mt in Crop Year 2007.

The average value of marketable phosphate rock sold or used in the United States was \$80.00 per metric ton, compared with \$39.59 per ton in Crop Year 2007. No exports of phosphate rock were reported by producers in Crop Year 2008. Imports of phosphate rock were estimated to be 2.8 Mt, using U.S. Census Bureau trade data and export data from the Moroccan producer. Some import tonnage and value data for Moroccan phosphate rock imports were suppressed by the Census Bureau.

TABLE 1
SALIENT U.S. PHOSPHATE ROCK STATISTICS¹

(Thousand metric tons and thousand dollars)

	Crop year ²	
	2007	2008
Mine production (crude ore)	115,000	128,000
Marketable phosphate rock production	29,600	30,300
P ₂ O ₅ content	8,470	8,480
Value	1,160,000	2,550,000
Average, dollars per metric ton ³	39.33	84.07
Sold or used by producers ⁴	30,300	31,400
P ₂ O ₅ content	8,670	8,980
Value ⁵	1,200,000	2,510,000
Average, dollars per metric ton ³	39.59	80.00
Exports:	--	--
Value	XX	XX
Average, dollars per metric ton ⁶	XX	XX
Imports for consumption: ^{6,7}	2,720	2,800
Cost, insurance, and freight value	147,000	148,000
Average, dollars per metric ton	54.19	52.98
Consumption ^{6,8}	32,700	34,200
Stocks, June 30, producers ¹	6,100	4,890

⁶Estimated. -- Zero. XX Not applicable.

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

²July 1-June 30.

³Average value is based on sold or used values.

⁴Includes domestic sales and exports.

⁵Total value of all domestic and export sales.

⁶Value of exports reported to the U.S. Geological Survey by companies.

⁷Some phosphate rock import tonnage and value data were suppressed by the U.S.

Census Bureau. Estimates are based on reports from the U.S. Census Bureau and the Moroccan phosphate rock producer.

⁸Expressed as sold or used plus imports minus exports.

TABLE 2
PRODUCTION OF PHOSPHATE ROCK IN THE UNITED STATES¹

(Thousand metric tons and thousand dollars)

Period	Mine production, crude ore		Marketable production, beneficiated			Ending stocks, rock
	Rock	P ₂ O ₅ content	Rock	P ₂ O ₅ content	Value ²	
Crop Year 2007:	115,000	11,900	29,600	8,470	\$1,160,000	6,100
Crop Year 2008:						
July-December 2007	64,900	6,680	15,000	4,320	813,000	4,970
January-June 2008	63,400	6,360	15,300	4,370	1,730,000	4,890
Total	128,000	13,000	30,300	8,480	2,550,000	XX

XX Not applicable.

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

²Based on the per ton sold or used values.

TABLE 3
 PHOSPHATE ROCK SOLD OR USED BY PRODUCERS
 IN THE UNITED STATES¹

(Thousand metric tons and thousand dollars)

Period	Rock	P ₂ O ₅ content	Value ²
Crop Year 2007:	30,300	8,670	\$1,200,000
Crop Year 2008:			
July-December 2007	16,100	4,620	877,000
January-June 2008	15,300	4,360	1,640,000
Total	31,400	8,980	2,510,000

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

²Free on board mine.