GYPSUM

(Data in thousand metric tons unless otherwise noted)

Salient Statistics—United States:	<u>2001</u>	2002	<u>2003</u>	<u>2004</u>	2005 ^e
Production:					
Crude	16,300	15,700	16,700	17,200	17,500
Synthetic ²	6,820	9,900	8,300	9,040	9,300
Calcined ³	19,100	18,600	20,400	25,500	26,000
Wallboard products (million square feet ¹)	29,500	29,900	33,300	35,400	36,000
Imports, crude, including anhydrite	8,270	7,970	8,300	10,100	11,200
Exports, crude, not ground or calcined	161	295	341	149	150
Consumption, apparent ⁴	31,100	32,700	33,000	36,200	37,900
Price:					
Average crude, f.o.b. mine, dollars per ton	8.44	7.31	6.90	7.21	7.31
Average calcined, f.o.b. plant, dollars per ton	16.81	18.42	20.01	19.64	21.10
Stocks, producer, crude, yearend	1,500	1,500	1,500	1,500	1,500
Employment, mine and calcining plant, number ^e	6,000	5,900	5,900	5,900	5,900
Net import reliance⁵ as a percentage					
of apparent consumption	27	26	25	28	29

Recycling: A portion of the more than 4 million tons of gypsum waste that was generated by wallboard manufacturing, wallboard installation, and building demolition was recycled. The recycled gypsum was used chiefly for agricultural purposes and for the manufacture of new wallboard. Other potential markets for recycled gypsum waste are in athletic field marking, cement production as a stucco additive, grease absorption, sludge drying, and water treatment.

Import Sources (2001-04): Canada, 68%; Mexico, 22%; Spain, 8%; Dominican Republic 1%; and other, 1%.

Tariff: Item Number Normal Trade Relations

Gypsum; anhydrite 2520.10.0000 Free.

Depletion Allowance: 14% (Domestic and foreign).

Government Stockpile: None.

Events, Trends, and Issues: The U.S. gypsum industry was stable during 2005, though hurricanes caused increased demand in the South and Southeast. Several companies began constructing new plants and expanding existing plants in 2005. This new capacity will increase the consumption of synthetic gypsum produced by scrubbing emissions from coal-fired electric powerplants.

Domestic housing starts and commercial construction were both slightly higher in 2005 compared with 2004. The net result was a small overall gypsum production increase for the year. Increasing demand for gypsum depends principally on the strength of the construction industry—particularly in the United States, where about 95% of the gypsum consumed is used for wallboard products, building plasters, and the manufacture of portland cement. Road building and repair will continue to spur gypsum consumption in the cement industry. The construction of large wallboard plants designed to use synthetic gypsum will increase the substitution of synthetic for natural gypsum as the new plants become operational.

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World Mine Production, Reserves, and Reserve Base:									
	Mine p	roduction	Reserves ⁶	Reserve base ⁶					
	<u>2004</u>	<u>2005^e</u>							
United States	1 7,200	17,500	700,000	Large					
Australia	4,000	4,000							
Austria	1,000	1,000							
Brazil	1,500	1,550	1,300,000	Large					
Canada	9,340	9,500	450,000	Large					
China	7,000	7,500							
Egypt	2,000	2,000							
France	3,500	3,500							
Germany	1,750	1,750							
India	2,350	2,400							
Iran	13,000	11,000							
Italy	1,200	1,200	Reserves and reserve						
Japan	5,800	5,800	base are large in major						
Mexico	7,000	7,000		countries, but					
Poland	1,300	1,300	data are no	ot available.					
Russia	700	800							
Spain	11,500	7,500							
Thailand	8,000	8,000							
United Kingdom	1,500	1,500							
Uruguay	1,130	1,100							
Other countries	8,250	<u> 16,000</u>							
World total (rounded)	109,000	110,000	Large	Large					

<u>World Resources</u>: Domestic resources are adequate but unevenly distributed. Large imports from Canada augment domestic supplies for wallboard manufacturing in the United States, in regions where there are no significant gypsum deposits. Imports from Mexico augment domestic supplies for wallboard manufacturing along portions of the western U.S. seaboard. Large gypsum deposits occur in the Great Lakes region, midcontinental region, and several Western States. Foreign resources are large and widely distributed; more than 90 countries produce gypsum. Iran is second to the United States in production and supplies much of the gypsum needed for construction and reconstruction in the Middle East. Spain is the largest European producer and supplies both crude gypsum and gypsum products to much of Western Europe. Increased wallboard use in Asia and new gypsum product plants in Thailand and India caused increased production in those countries.

<u>Substitutes</u>: In such applications as stucco and plaster, cement and lime may be substituted; brick, glass, metallic or plastic panels, and wood may be substituted for wallboard. Gypsum has no practical substitute in the manufacturing of portland cement. Synthetic gypsum generated by various industrial processes, including flue gas desulfurization of smokestack emissions, is very important as a substitute for mined gypsum in wallboard manufacturing, cement production, and agricultural applications (in descending tonnage order). In 2005, synthetic gypsum accounted for 24% of the total domestic gypsum supply.

eFstimated

¹The standard unit used in the U.S. wallboard industry is square feet. Multiply square feet by 9.29 x 10⁻² to convert to square meters.

²Data refer to the amount sold or used, not produced.

³From domestic crude.

⁴Defined as crude + total synthetic reported used + net import reliance.

⁵Defined as imports – exports + adjustments for industry stock changes.

⁶See Appendix C for definitions.