

# Mineral Industry Surveys

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**For information, contact:**

Donald W. Olson, Gypsum Commodity Specialist  
U.S. Geological Survey  
983 National Center  
Reston, VA 20192  
Telephone: (703) 648-7721, Fax: (703) 648-7975  
E-mail: dolson@usgs.gov

Virginia C. Harper (Data)  
Telephone: (703) 648-7983  
Fax: (703) 648-7975  
E-mail: vharper@usgs.gov

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

## GYPSUM IN SEPTEMBER 2003

Producers mined 1.44 million metric tons (Mt) of gypsum in September 2003 (table 1). Output was 9% more than that of August 2003 and 8% less than that of September 2002. Synthetic gypsum production was 727,000 metric tons (t) in September 2003 (table 1), which was slightly more than that of August 2003 and 66% more than that of September 2002. The increased synthetic gypsum production over that of 2002 is due to new synthetic-gypsum-sourced wallboard plants that came online in 2003. Both mined and synthetic gypsum are used as raw material for wallboard. During January through August 2003, synthetic gypsum accounted for 5.38 Mt, or about 25% of the 21.3 Mt supply of gypsum in the United States. Sales of uncalcined gypsum, mainly for portland cement manufacture and for agricultural uses, were 541,000 t (table 2), 4% more than that of August 2003, and 14% more than that of September 2002.

Output of calcined gypsum for September (table 1) was 1.86 Mt, slightly more than that of August 2003, and 11% less than

that of September 2002. Sales of board products were about 2.8 billion square feet (260 million square meters), 5% more than that of August 2003, and 17% more than that of September 2002.

Import and export data for September 2003 were not available at the time of publication. Imports of crude gypsum in August 2003 were 834,000 t (table 3), 5% less than that of July 2003, and 32% more than that of August 2002. Gypsum wallboard imports, principally from Canada, for August 2003 were 43,000 t, equivalent to 52 million square feet (4.8 million square meters). These imports were 4% less than that of July 2003, and 6% more than those of August 2002. Wallboard exports to 29 countries and territories in August 2003 were 4,600 t, equivalent to 5.5 million square feet (512,000 square meters). These exports were 2% less than those of July 2003, and 2% less than those of August 2002.

TABLE 1  
GYPSUM SUPPLY<sup>1,2</sup>

(Metric tons)

	2003			2002
	September	August	January-September	January-September
Crude:				
Mined: <sup>3</sup>	1,440,000	1,320,000	12,100,000	11,700,000
Imported <sup>4</sup>	NA	834,000	NA	5,980,000
Exported <sup>4</sup>	NA	12,300	NA	149,000
Synthetic gypsum <sup>5</sup>	727,000	722,000	6,100,000	3,890,000
Total supply	NA	2,870,000	NA	21,400,000
Calcined:				
Produced	1,860,000	1,840,000	15,000,000	16,100,000
Imported <sup>6</sup>	NA	337	NA	12,400
Exported <sup>6</sup>	NA	10,000	NA	155,000
Total supply	NA	1,830,000	NA	16,000,000

NA Not available.

<sup>1</sup>Includes data from the Gypsum Association.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Some data were estimated from semiannual reports.

<sup>4</sup>Import and export data are for "Gypsum; anhydrite," Harmonized Tariff Schedule 2520.10.0000.

<sup>5</sup>Reported production only.

<sup>6</sup>Import and export data are for "Plaster," Harmonized Tariff Schedule 2520.20.0000.

TABLE 2  
GYPSUM SOLD OR USED BY PRODUCERS, BY USE<sup>1,2</sup>

(Metric tons, unless otherwise specified)

	2003			2002
	September	August	January-September	January-September
Uncalcined: <sup>3</sup>				
Portland cement	392,000	373,000	3,000,000	2,940,000
Agriculture and miscellaneous	148,000	145,000	1,690,000	1,940,000
Total	541,000	518,000	4,690,000	4,880,000
Calcined:				
Board products <sup>4</sup>	2,340,000	2,240,000	20,200,000	19,000,000
Plaster	13,200	13,300	194,000	293,000
Total	2,350,000	2,250,000	20,400,000	19,300,000
Board products: (Thousand square feet) <sup>5</sup>				
Regular board	1,730,000	1,620,000	14,300,000	13,500,000
Type X board	818,000	803,000	7,120,000	6,940,000
Other	263,000	257,000	2,210,000	2,310,000
Total supply	2,810,000	2,680,000	23,700,000	22,700,000

<sup>1</sup>Includes data from the Gypsum Association.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Does not include synthetic gypsum from electric power plants.

<sup>4</sup>Includes weight of paper and other materials.

<sup>5</sup>One square meter equals 10.78 square feet.

TABLE 3  
CRUDE GYPSUM IMPORTED FOR CONSUMPTION<sup>1</sup>

(Metric tons)

Country of origin	2003			2002
	August	July	January-August	January-August
Argentina	--	--	18	--
Austria	--	--	14	--
Canada	594,000	616,000	3,560,000	3,540,000
Dominican Republic	22,600	--	61,100	--
Guatemala	--	--	22	--
Italy	--	--	10	10,100
Jamaica	--	--	16	--
Japan	--	--	--	3
Korea, Republic of	--	--	--	270
Mexico	146,000	194,000	1,160,000	1,310,000
Spain	70,700	64,900	505,000	505,000
Sweden	--	--	2	--
Thailand	--	--	--	79,400
United Kingdom	--	--	38	88
Total	834,000	875,000	5,290,000	5,500,000

-- Zero.

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

Source: U.S. Census Bureau.

TABLE 4  
CRUDE GYPSUM IN THE UNITED STATES<sup>1,2</sup>

(Thousand metric tons)

Period	Consumption <sup>3</sup>	Production <sup>4</sup>	Imports <sup>5</sup>	Exports <sup>5</sup>
2002:				
August	2,120	1,550	634	60
September	2,190	1,570	631	14
October	2,020	1,470	569	18
November	1,970	1,250	730	13
December	1,740	1,210	548	15
January-December	23,300	15,700	7,970	343
2003:				
January	2,090	1,550	555	16
February	1,810	1,340	478	16
March	1,670	1,010	668	12
April	1,990	1,350	663	14
May	1,990	1,410	594	11
June	1,950	1,340	623	12
July	2,240	1,380 <sup>r</sup>	875	16
August	2,150	1,320	834	12
September	NA	1,440	NA	NA

<sup>r</sup>Revised. NA Not available.

<sup>1</sup>Excludes synthetic gypsum.

<sup>2</sup>Data are rounded to no more than three significant digits.

<sup>3</sup>Consumption calculated by adding the production and imports shown in this table and subtracting the exports shown in this table. Monthly inventory changes are not included.

<sup>4</sup>Production data are from the semiannual gypsum canvasses of the non-wallboard producers, annual canvass of all producers, and from monthly data furnished by the Gypsum Association from the wallboard producers.

<sup>5</sup>Data from U.S. Census Bureau.

TABLE 5  
SALES OF GYPSUM BOARD PRODUCTS, BY SALES REGION<sup>1, 2</sup>

(Thousand square feet)<sup>3</sup>

	New England	Middle Atlantic	E. North Central	W. North Central	South Atlantic	E. South Central	W. South Central	Mountain	Pacific	Exports	Total
2003:											
September:											
Lath	7	9	--	--	6	--	--	6	12	--	40
Veneer base	21,900	2,950	9,700	1,000	7,920	13	68	151	1,510	24	45,300
Sheathing	1,470	5,060	5,020	7,000	13,700	5,810	12,000	4,990	8,870	1,320	62,200
Regular gypsum board	41,500	146,000	238,000	124,000	465,000	128,000	214,000	154,000	188,000	27,800	1,730,000
Type X gypsum board	26,100	83,000	123,000	69,500	129,000	28,100	87,700	93,400	174,000	4,400	818,000
Predecorated board	281	698	831	587	1,220	257	658	373	631	47	5,590
5/16 Mobile home board	--	1,580	9,250	--	9,690	13,300	6,590	1,180	1,010	38	42,600
Water/moisture resistant board	5,040	18,400	14,200	6,140	23,300	3,890	10,300	8,660	13,900	3,240	107,000
Total	96,300	258,000	400,000	208,000	650,000	177,000	331,000	263,000	388,000	36,800	2,810,000
January-September:											
Lath	25	174	150	2	56	6	--	12	349	--	775
Veneer base	187,000	23,900	72,700	7,720	74,500	290	821	3,010	13,900	219	384,000
Sheathing	10,800	33,400	36,600	47,600	99,600	19,600	85,800	47,200	79,600	8,990	469,000
Regular gypsum board	349,000	1,230,000	1,940,000	970,000	3,910,000	975,000	1,770,000	1,310,000	1,640,000	217,000	14,300,000
Type X gypsum board	215,000	709,000	1,060,000	585,000	1,120,000	235,000	764,000	845,000	1,520,000	65,800	7,120,000
Predecorated board	3,220	5,630	8,590	4,750	11,100	3,350	7,590	3,450	5,850	673	54,200
5/16 Mobile home board	--	12,600	57,400	16	90,600	131,000	61,100	11,400	9,860	260	374,000
Water/moisture resistant board	41,000	158,000	123,000	51,500	197,000	34,800	94,300	75,300	127,000	25,300	927,000
Total	806,000	2,180,000	3,310,000	1,670,000	5,510,000	1,400,000	2,790,000	2,290,000	3,400,000	319,000	23,700,000

-- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals show

<sup>2</sup>Sales region equivalent to U.S. Census Bureau Geographic Division as follows: New England (CT, MA, ME, NH, RI, VT); Middle Atlantic (NJ, NY, PA); East North Central (IL, IN, OH, MI, WI); West North Central (IA, KS, MN, MO, NE, ND, SD); South Atlantic (DC, DE, FL, GA, MD, NC, SC, VA, WV); East South Central (AL, KY, MS, TN); West South Central (AR, LA, OK, TX); Mountain (AZ, CO, ID, MT, NM, NV, UT, WY); Pacific (AK, CA, HI, OR, WA).

<sup>3</sup>One square meter equals 10.78 square feet

Source: Gypsum Association.