

# Mineral Industry Surveys

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## GYPSUM IN OCTOBER 2003

Producers mined 1.51 million metric tons (Mt) of gypsum in October 2003 (table 1). Output was 5% more than that of September 2003, and 2% more than that of October 2002. Synthetic gypsum production was 726,000 metric tons (t) in October 2003 (table 1), which was slightly less than that of September 2003, and 51% more than that of October 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 September 2003, synthetic gypsum accounted for 6.10 Mt, or about 25%, of the 24.1 Mt supply of gypsum in the United States. Sales of uncalcined gypsum, mainly for portland cement manufacture and for agricultural uses, were 412,000 t (table 2), 24% less than that of September 2003, and 29% less than that of October 2002.

Output of calcined gypsum for October (table 1) was 1.98 Mt, 6% more than that of September 2003 and 11% more than that

of October 2002. Sales of board products were about 3.0 billion square feet (275 million square meters), 5% more than that of September 2003 and 11% more than that of October 2002.

Import and export data for October 2003 were not available at the time of publication. Imports of crude gypsum in September 2003 were 696,000 t (table 3), 17% less than that of August 2003, and 10% more than that of September 2002. Gypsum wallboard imports, principally from Canada, for September 2003 were 48,000 t, equivalent to 58 million square feet (5.3 million square meters). These imports were 12% more than that of August 2003 and 12% more than those of September 2002. Wallboard exports to 27 countries and territories in September 2003 were 4,400 t, equivalent to 5.3 million square feet (490,000 square meters). These exports were 4% less than those of August 2003 and 12% less than those of September 2002.

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

(Metric tons)

	2003			2002
	October	September	January-October	January-October
<b>Crude:</b>				
Mined: <sup>3</sup>	1,510,000	1,440,000	13,600,000	13,200,000
Imported <sup>4</sup>	NA	696,000	NA	6,600,000
Exported <sup>4</sup>	NA	14,900	NA	162,000
Synthetic gypsum <sup>5</sup>	726,000	727,000	6,830,000	4,370,000
Total supply	NA	2,850,000	NA	24,000,000
<b>Calcined:</b>				
Produced	1,980,000	1,860,000	17,000,000	19,700,000
Imported <sup>6</sup>	NA	588	NA	13,200
Exported <sup>6</sup>	NA	28,900	NA	165,000
Total supply	NA	1,830,000	NA	19,600,000

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
	October	September	January-October	January-October
<b>Uncalcined:<sup>3</sup></b>				
Portland cement	262,000	392,000	3,260,000	3,310,000
Agriculture and miscellaneous	150,000	148,000	1,840,000	2,150,000
Total	412,000	541,000	5,100,000	5,460,000
<b>Calcined:</b>				
Board products <sup>4</sup>	2,470,000	2,340,000	22,700,000	21,200,000
Plaster	14,200	13,200	208,000	327,000
Total	2,480,000	2,350,000	22,900,000	21,600,000
<b>Board products: (Thousand square feet)<sup>5</sup></b>				
Regular board	1,820,000	1,730,000	16,100,000	15,100,000
Type X board	864,000	818,000	7,990,000	7,730,000
Other	277,000	263,000	2,490,000	2,580,000
Total supply	2,960,000	2,810,000	26,600,000	25,400,000

<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
	September	August	January-September	January-September
Argentina	--	--	18	--
Austria	--	--	14	--
Canada	542,000	594,000	4,110,000	3,990,000
Dominican Republic	--	22,600	61,100	--
Guatemala	--	--	22	--
Italy	1	--	11	10,100
Jamaica	--	--	16	--
Japan	--	--	--	3
Korea, Republic of	--	--	--	270
Mexico	110,000	146,000	1,270,000	1,410,000
Spain	44,000	70,700	549,000	630,000
Sweden	--	--	2	--
Thailand	--	--	--	79,400
United Kingdom	17	--	55	88
Total	696,000	834,000	5,990,000	6,130,000

-- 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:				
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	875	16
August	2,150	1,320	834	12
September	2,120	1,440	696	15
October	NA	1,510	NA	NA

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:											
October:											
Lath	1	13	--	--	2	--	6	6	133	--	155
Veneer base	24,200	2,600	9,290	742	8,340	10	40	636	1,470	34	47,400
Sheathing	1,920	5,410	6,510	6,180	16,100	2,800	11,600	6,230	9,260	1,540	67,600
Regular gypsum board	43,100	158,000	251,000	120,000	510,000	122,000	223,000	171,000	193,000	29,400	1,820,000
Type X gypsum board	24,300	86,100	133,000	71,600	141,000	26,900	92,100	101,000	181,000	7,560	864,000
Predecorated board	366	669	1,070	538	1,470	369	711	501	892	21	6,600
5/16 Mobile home board	--	1,630	6,150	--	8,760	12,800	7,300	930	1,230	--	38,800
Water/moisture resistant board	5,000	20,400	15,000	6,000	27,200	4,090	10,600	9,560	15,100	3,740	117,000
Total	98,900	274,000	423,000	205,000	713,000	169,000	346,000	289,000	402,000	42,300	2,960,000
January-October:											
Lath	27	187	150	2	58	6	6	12	483	--	931
Veneer base	211,000	26,500	82,000	8,460	82,800	299	861	3,650	15,300	253	431,000
Sheathing	12,700	38,800	43,100	53,800	116,000	22,400	97,500	53,400	88,800	10,500	537,000
Regular gypsum board	392,000	1,390,000	2,200,000	1,090,000	4,420,000	1,100,000	2,000,000	1,480,000	1,830,000	247,000	16,100,000
Type X gypsum board	239,000	795,000	1,200,000	657,000	1,260,000	262,000	856,000	946,000	1,700,000	73,400	7,990,000
Predecorated board	3,590	6,300	9,660	5,280	12,600	3,720	8,300	3,950	6,740	695	60,800
5/16 Mobile home board	--	14,300	63,500	16	99,300	143,000	68,400	12,300	11,100	260	413,000
Water/moisture resistant board	46,000	178,000	138,000	57,500	224,000	38,900	105,000	84,900	142,000	29,100	1,040,000
Total	905,000	2,450,000	3,730,000	1,870,000	6,220,000	1,570,000	3,130,000	2,580,000	3,800,000	361,000	26,600,000

-- 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, MI, OH, 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.