

Mineral Industry Surveys

For information, contact:

Robert D. Crangle, Jr., Gypsum Commodity Specialist
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-6410, Fax: (703) 648-7757
E-mail: rcrangle@usgs.gov

Paula R. Neely (Data)
Telephone: (703) 648-7949
Fax: (703) 648-7975
E-mail: pneely@usgs.gov

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

GYPSUM IN THE THIRD QUARTER 2011

Producers mined 2.23 million metric tons (Mt) of gypsum during the third quarter of 2011 (table 1). This amount was slightly less than that of the second quarter of 2011 and 5% more than that of the third quarter of 2010. Synthetic gypsum production was 1.78 Mt in the third quarter of 2011 (table 1), which was slightly more than that of the second quarter of 2011, slightly less than that of the third quarter of 2010. During the third quarter of 2011, synthetic gypsum accounted for about 37% of the 4.78 Mt total supply of gypsum in the United States. Both mined and synthetic gypsum are used as raw material for wallboard. The wallboard industry is the leading domestic consumer of gypsum.

Sales of uncalcined gypsum in the third quarter of 2011, mainly for portland cement manufacture and for agricultural uses, were 360,000 metric tons (t) (table 2), which was 5% less than those of the second quarter of 2011 and 55% less than those of the third quarter of 2010.

Sales of calcined gypsum for the third quarter of 2011 (table 1) was 2.98 Mt, which was slightly more than that of the second quarter of 2011 and slightly less than that of the third quarter of 2010. Sales of board products (table 2) were 3.56 Mt, equivalent to approximately 389 million square meters (4.31 billion square feet), which was 3% more than those of the second quarter of 2011 and 3% less than those of the third quarter of 2010.

According to the U.S. Census Bureau, imports of crude gypsum in the third quarter of 2011 were 773,000 t (table 3), a

decrease of 13% from those of the second quarter of 2011 and slightly more than those of the second quarter of 2010. The United States imported crude gypsum from six countries in the third quarter of 2011. Of these imports, Canada accounted for 41%, followed by Mexico with 32%, and Spain with 27%. Imports from China, France, and the United Kingdom were negligible.

Gypsum wallboard imports for the third quarter of 2011 were 62,000 t, equivalent to 6.90 million square meters (74.3 million square feet). These imports were 18% greater than those of the second quarter of 2011 and 10% more than those of the third quarter of 2010. The United States imported wallboard products from four countries in the third quarter of 2011. Mexico accounted for 62% of these imports, followed by Canada with 36%, and Colombia with 2%. Imports from China were negligible.

Wallboard exports to 48 countries and territories in the third quarter of 2011 were 200,000 t, equivalent to 22.3 million square meters (240 million square feet). This amount was 12% less than that of the second quarter of 2011 and 10% more than that of the third quarter of 2010. Most wallboard exports were shipped to 30 western hemisphere countries, with Canada accounting for 92%.

All percentages in this report were computed based on unrounded data.

TABLE 1
GYPSUM SUPPLY^{1,2}

(Metric tons)

	2010			2011			
	Third quarter	Fourth quarter	First–fourth quarter	First quarter	Second quarter	Third quarter	First–third quarter ³
Crude:							
Mined ⁴	2,120,000	2,020,000	8,580,000	2,240,000	2,250,000	2,230,000	6,720,000
Imported ⁵	758,000	844,000	3,330,000	799,000	892,000	773,000	2,460,000
Synthetic gypsum ⁶	1,810,000	1,700,000	7,320,000	1,790,000	1,740,000	1,780,000	5,320,000
Total supply	4,690,000	4,570,000	19,200,000	4,830,000	4,880,000	4,780,000	14,500,000
Crude, exported ⁵	115,000	88,000	360,000	70,100	59,000	94,700	224,000
Consumption	4,580,000	4,480,000	18,900,000	4,760,000	4,820,000	4,690,000	14,300,000
Calcined:							
Produced (sales)	3,030,000	2,710,000	12,200,000	3,060,000	2,930,000	2,980,000	8,970,000
Imported ⁷	4,430	3,520	15,100	3,060	3,790	3,910	10,700
Total supply	3,030,000	2,710,000	12,200,000	3,060,000	2,940,000	2,990,000	8,980,000
Exported ⁷	50,600	37,900	190,000	54,900	72,200	90,100	217,000
Consumption	2,980,000	2,670,000	12,000,000	3,000,000	2,860,000	2,900,000	8,770,000

¹Includes data from the Gypsum Association.

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

³May include revisions to previously published data.

⁴Some data were estimated from semiannual reports.

⁵Import and export data are for "Gypsum; anhydrite," Harmonized Tariff Schedule 2520.10.0000.

⁶Reported production only.

⁷Import and export data are for "Plaster," Harmonized Tariff Schedule 2520.20.0000.

TABLE 2
GYPSUM SOLD OR USED BY PRODUCERS, BY USE^{1,2}

(Metric tons, unless otherwise specified)

	2010			2011			
	Third quarter	Fourth quarter	First–fourth quarter	First quarter	Second quarter	Third quarter	First–third quarter ³
Uncalcined: ⁴							
Portland cement	421,000	387,000	1,510,000	148,000	233,000	232,000	612,000
Agriculture and miscellaneous	384,000	393,000	1,500,000	115,000	148,000	128,000	391,000
Total	805,000	781,000	3,020,000	263,000	381,000	360,000	1,000,000
Calcined:							
Board products ⁵	3,490,000	3,290,000	14,200,000	3,490,000	3,490,000	3,600,000	10,600,000
Plaster	20,400	18,200	80,200	19,100	19,400	19,100	57,700
Total	3,510,000	3,300,000	14,300,000	3,510,000	3,510,000	3,610,000	10,600,000
Board products: (thousand square feet) ⁶							
Regular board	2,350,000	2,180,000	9,570,000	2,270,000	2,270,000	2,390,000	6,940,000
Type X board	1,350,000	1,320,000	5,560,000	1,430,000	1,400,000	1,400,000	4,230,000
Other	489,000	445,000	1,930,000	483,000	522,000	520,000	1,520,000
Total supply	4,190,000	3,940,000	17,100,000	4,190,000	4,190,000	4,310,000	12,700,000

¹Includes data from the Gypsum Association.

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

³May include revisions to previously published data.

⁴Does not include synthetic gypsum from electric power plants.

⁵Includes weight of paper and other materials.

⁶One square meter equals 10.78 square feet.

TABLE 3
CRUDE GYPSUM IMPORTED FOR CONSUMPTION ¹

(Metric tons)

Country of origin	2010			2011			
	Third quarter	Fourth quarter	First-fourth quarter	First quarter	Second quarter	Third quarter	First-third quarter ²
Canada	398,000	549,000	1,980,000	383,000	445,000	315,000	1,140,000
China	--	15	15	209	11	3	223
France	--	42	50	--	40	--	40
Germany	19	--	39	21	40	85	146
Hong Kong	1	--	1	5	1	--	6
Italy	--	--	10	--	--	--	--
Mexico	326,000	247,000	1,140,000	306,000	332,000	245,000	883,000
Morocco	--	6	6	8	--	--	8
South Africa	--	--	8,010	--	--	--	--
Spain	34,000	48,400	198,000	109,000	116,000	213,000	438,000
Switzerland	--	1	1	--	--	--	--
Taiwan	--	8	--	284	--	--	284
Thailand	--	--	--	20	40	--	60
United Kingdom	--	12	33	10	--	12	22
Total	758,000	844,000	3,330,000	799,000	892,000	773,000	2,460,000

-- Zero.

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

²May include revisions to previously published data.

Source: U.S. Census Bureau.

TABLE 4
CRUDE GYPSUM IN THE UNITED STATES ^{1,2}

(Thousand metric tons)

Period	Consumption ³	Production ⁴	Imports ⁵	Exports ⁵
2010:				
Third quarter	2,770	2,120	758	115
Fourth quarter	2,770	2,020	844	88
First-fourth quarter	11,500	8,580	3,330	360
2011:				
First quarter	2,970	2,240	799	70
Second quarter	3,090	2,250	892	59
Third quarter	2,910	2,230	773	95
First-third quarter	8,960	6,720	2,460	224

¹Excludes synthetic gypsum.

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

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

⁴Production 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.

⁵Data from U.S. Census Bureau.

TABLE 5
SALES OF GYPSUM BOARD PRODUCTS, BY SALES REGIONS IN 2011^{1,2}

(Thousand square feet)³

	New England	Middle Atlantic	E. North Central	W. North Central	South Atlantic	E. South Central	W. South Central	Mountain	Pacific	Exports	Total
Third quarter:											
Veneer base	25,700	3,490	10,300	753	6,320	3	59	56	1,210	258	48,100
Sheathing	2,800	6,490	6,960	5,990	16,100	4,390	14,000	4,650	12,800	10,700	84,900
Regular gypsum board	61,700	240,000	284,000	179,000	550,000	181,000	399,000	164,000	210,000	124,000	2,390,000
Type X gypsum board	49,700	178,000	186,000	112,000	219,000	60,900	176,000	122,000	253,000	45,300	1,400,000
Liner Panel	1,360	5,050	2,270	955	10,900	652	2,350	1,410	1,940	1,210	28,100
Predecorated board	1,260	1,700	2,310	1,230	3,510	964	2,240	630	1,680	274	15,800
5/16 Mobile home board	--	3,490	3,670	--	1,170	14,400	1,470	692	441	23	25,400
Water/moisture resistant board	16,000	64,500	39,200	17,000	60,000	14,900	32,900	15,000	34,800	23,700	318,000
Total	158,000	503,000	535,000	317,000	867,000	277,000	629,000	308,000	516,000	206,000	4,310,000
First-third quarter:											
Veneer base	77,800	10,900	26,500	2,960	19,600	67	417	560	4,940	13,600	157,000
Sheathing	7,350	17,600	18,000	15,100	44,600	12,700	47,500	14,200	36,400	21,400	235,000
Regular gypsum board	186,000	716,000	835,000	502,000	1,600,000	498,000	1,170,000	489,000	629,000	343,000	6,970,000
Type X gypsum board	149,000	532,000	538,000	333,000	669,000	183,000	594,000	366,000	736,000	135,000	4,230,000
Liner Panel	3,610	14,600	5,950	2,780	29,900	1,940	7,510	3,820	5,720	3,000	78,800
Predecorated board	2,590	4,900	6,050	3,430	9,500	2,950	6,370	2,300	4,920	637	43,600
5/16 Mobile home board	--	9,560	8,280	--	3,240	38,600	4,020	1,580	1,150	2,620	69,000
Water/moisture resistant board	45,600	186,000	116,000	54,100	173,000	42,100	104,000	43,500	104,000	61,100	930,000
Total	471,000	1,490,000	1,550,000	914,000	2,550,000	779,000	1,930,000	921,000	1,520,000	580,000	12,700,000

-- Zero.

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

²Sales 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).

³One square meter equals 10.78 square feet.

Source: Gypsum Association.