

CRUSHED STONE END-USE STATISTICS¹
U.S. GEOLOGICAL SURVEY
 [Metric tons]

Last modification: September 15, 2005

Year	Coarse aggregate (+1½ inch)	Coarse aggregate, graded	Fine aggregate (-¾ inch)	Coarse and fine aggregate	Other construction materials	Agricultural	Chemical and metallurgical	Special uses	Other	Unspecified uses	Apparent consumption
1975	49,900,000	256,000,000	6,190,000	204,000,000	107,000,000	33,000,000	146,000,000	5,260,000	9,280,000		815,000,000
1976	50,400,000	255,000,000	4,380,000	182,000,000	120,000,000	38,900,000	152,000,000	5,530,000	8,810,000		816,000,000
1977	44,000,000	262,000,000	10,700,000	209,000,000	142,000,000	31,700,000	153,000,000	6,000,000	6,800,000		865,000,000
1978	48,100,000	286,000,000	15,000,000	237,000,000	159,000,000	33,400,000	158,000,000	6,370,000	9,960,000		952,000,000
1979	49,600,000	297,000,000	17,700,000	239,000,000	186,000,000	33,100,000	157,000,000	6,930,000	8,060,000		995,000,000
1980	49,400,000	266,000,000	18,400,000	210,000,000	164,000,000	33,200,000	139,000,000	6,330,000	5,560,000		893,000,000
1981	38,700,000	235,000,000	16,400,000	185,000,000	144,000,000	29,000,000	134,000,000	6,300,000	3,660,000		791,000,000
1982											717,000,000
1983	38,300,000	193,000,000	47,700,000	232,000,000	133,000	19,300,000	107,000,000	6,090,000	139,000,000		782,000,000
1984											868,000,000
1985	39,500,000	199,000,000	53,100,000	281,000,000		22,600,000	116,000,000	10,700,000	11,800,000	174,000,000	908,000,000
1986											929,000,000
1987	39,800,000	210,000,000	59,100,000	295,000,000		20,900,000	105,000,000	8,770,000	4,300,000	346,000,000	1,090,000,000
1988											1,130,000,000
1989	38,700,000	210,000,000	66,400,000	258,000,000		20,900,000	111,000,000	10,700,000	3,670,000	381,000,000	1,100,000,000
1990											1,110,000,000
1991	32,200,000	206,000,000	65,700,000	255,000,000		20,200,000	104,000,000	8,010,000	890,000	309,000,000	1,000,000,000
1992											1,050,000,000
1993	39,700,000	235,000,000	75,400,000	282,000,000	15,800,000	15,400,000	106,000,000	11,000,000	3,070,000	332,000,000	1,120,000,000
1994	43,800,000	263,000,000	81,200,000	293,000,000	10,600,000	16,900,000	113,000,000	8,570,000	1,660,000	396,000,000	1,230,000,000
1995	39,000,000	242,000,000	72,600,000	272,000,000	13,700,000	15,100,000	108,000,000	8,000,000	3,990,000	492,000,000	1,260,000,000
1996	34,800,000	250,000,000	73,600,000	282,000,000	8,120,000	14,600,000	108,000,000	5,940,000	2,300,000	552,000,000	1,340,000,000
1997	42,300,000	244,000,000	77,000,000	303,000,000	8,360,000	13,300,000	116,000,000	6,840,000	1,760,000	611,000,000	1,420,000,000
1998	45,200,000	276,000,000	78,300,000	296,000,000	15,900,000	14,100,000	128,000,000	7,650,000	2,980,000	645,000,000	1,520,000,000
1999	41,800,000	299,000,000	89,700,000	302,000,000	11,400,000	15,000,000	119,000,000	7,090,000	1,570,000	655,000,000	1,550,000,000
2000	42,500,000	274,000,000	91,500,000	294,000,000	13,400,000	13,300,000	127,000,000	5,680,000	2,250,000	691,000,000	1,569,000,000
2001	43,400,000	255,000,000	80,200,000	268,000,000	14,800,000	11,800,000	104,000,000	5,120,000	7,450,000	806,000,000	1,600,000,000
2002	38,500,000	222,000,000	73,200,000	232,000,000	9,590,000	11,800,000	96,400,000	3,160,000	7,700,000	821,000,000	1,530,000,000
2003	48,400,000	242,000,000	89,100,000	272,000,000	7,860,000	13,100,000	119,000,000	5,400,000	9,590,000	726,000,000	1,540,000,000

Blank cells in the spreadsheet indicate that end-use data were not available.

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Crushed Stone End-Use Worksheet Notes

Data Sources

The sources of data for the crushed stone end-use worksheet are the Minerals Yearbook (MYB), an annual collection, compilation, and analysis of mineral industry data, published by the U.S. Bureau of Mines (USBM) until 1995 and the U.S. Geological Survey since 1996; and the Statistical Compendium, a mineral statistics publication of the USBM.

End Use

End use is defined as the use of the mineral commodity in a particular industrial sector or product. For crushed stone sold or used by producers, end-use categories are coarse aggregate (larger than 1½ inch); coarse aggregate, graded; fine aggregate (smaller than ¾ inch); coarse and fine aggregate; other construction materials; agricultural; chemical and metallurgical; special uses; other miscellaneous uses; and unspecified uses.

Crushed stone was surveyed every other year between 1981 and 1993. Thus, no data by end use for even-numbered years between 1982 and 1992 are available. End-use data for crushed stone were collected and reported using different methodologies during the span of years covered in this report.

The coarse aggregate (larger than 1½ inch) category includes riprap and jetty stone, filter stone, aggregate for macadam, and other coarse aggregate.

The coarse aggregate, graded category includes concrete aggregate, coarse; bituminous aggregate, coarse; bituminous surface treatment aggregate; railroad ballast; and other graded coarse aggregate.

The fine aggregate (smaller than ¾ inch) category includes bituminous mix or seal; aggregate for concrete; screening, undesignated; stone sand (manufactured sand); and other fine aggregate.

The coarse and fine aggregate category includes graded road base or subbase, unpaved road surfacing, terrazzo and exposed aggregate, crusher run or fill or waste, roofing granules, and other coarse and fine aggregate.

The other construction materials category includes building products, drain fields, bedding materials, lightweight aggregate (slate) and waste material (2001 only), acid neutralization and refractory stone (2000 only), unspecified construction aggregate, roadstone, dam construction, roofing aggregates, chips and granules, and waste materials (1975 through 1981).

The agricultural category includes agricultural limestone, poultry grit and mineral food, and other agricultural uses.

The chemical and metallurgical category includes cement manufacture, lime manufacture, dead-burned dolomite manufacture, ferrosilicon, refractory stone (includes ganister), flux stone, chemical stone, glass manufacture, and sulfur oxide removal.

The special uses category includes mine dusting or acid water treatment, asphalt fillers or extenders, whiting or whiting substitutes, and other fillers and extenders.

The other miscellaneous uses category includes lightweight aggregate (slate), abrasives, flour (slate), sugar refining, waste material, refractory stone, chemicals, paper manufacture, acid neutralization, other specified uses not listed, and other miscellaneous uses.

The unspecified uses category combines quantities reported in the MYB as “unspecified uses, reported” (totals only) and “unspecified uses, estimated” (estimated totals). Each year some producers provide only total production without an end-use breakdown, and some producers do not report and their production must be estimated. Prior to 1985, these tonnages were distributed into the categories used at that time or with the other miscellaneous category.

Blank cells in the spreadsheet indicate that end-use data were not available. Data are rounded to no more than three significant digits and therefore data may not add to totals shown.

References

U.S. Bureau of Mines, 1983–96, Minerals Yearbook, v. I, 1981–94.

U.S. Bureau of Mines, 1993, Statistical Compendium, 1975–81.

U.S. Geological Survey, 1997–2005, Minerals Yearbook, v. I, 1995–2003.

Recommended Citation Format:

(1) If taken from CD version:

U.S. Geological Survey, [year of last update, e.g., 2005], [Mineral commodity, e.g., Gold] statistics, *in* Kelly, T.D., and Matos, G.R., comps., Historical statistics for mineral and material commodities in the United States: U.S. Geological Survey Data Series 140, one CD-ROM. (Also available online at [http://pubs.usgs.gov/ds/2005/140/.](http://pubs.usgs.gov/ds/2005/140/))

(2) If taken from online version:

U.S. Geological Survey, [year of last update, e.g., 2005], [Mineral commodity, e.g., Gold] statistics, *in* Kelly, T.D., and Matos, G.R., comps., Historical statistics for mineral and material commodities in the United States: U.S. Geological Survey Data Series 140, available online at [http://pubs.usgs.gov/ds/2005/140/.](http://pubs.usgs.gov/ds/2005/140/) (Accessed [date].)

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