

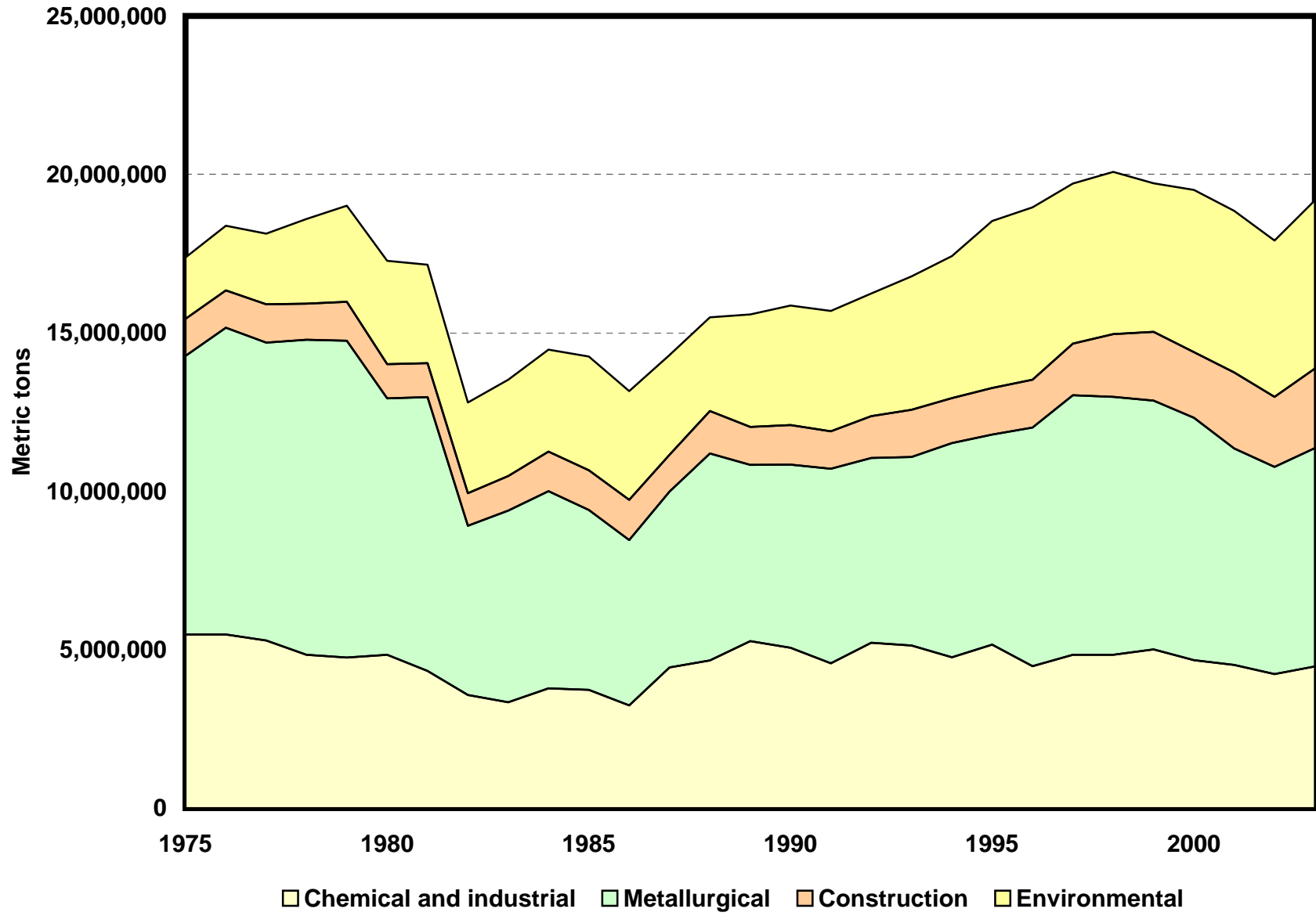
LIME END-USE STATISTICS¹
U.S. GEOLOGICAL SURVEY
 [Metric tons]

Last modification: September 15, 2005

Year	Chemical and industrial	Metallurgical	Construction	Environmental	Undistributed	Apparent consumption
1975	5,480,000	8,790,000	1,170,000	1,940,000	100,000	17,500,000
1976	5,480,000	9,680,000	1,180,000	2,040,000	200,000	18,600,000
1977	5,290,000	9,400,000	1,210,000	2,230,000	300,000	18,400,000
1978	4,840,000	9,940,000	1,140,000	2,670,000	400,000	19,000,000
1979	4,750,000	10,000,000	1,230,000	3,030,000	500,000	19,500,000
1980	4,840,000	8,090,000	1,080,000	3,260,000	100,000	17,600,000
1981	4,330,000	8,640,000	1,070,000	3,110,000	400,000	17,500,000
1982	3,570,000	5,340,000	1,030,000	2,860,000	300,000	13,100,000
1983	3,340,000	6,050,000	1,090,000	3,040,000	200,000	13,700,000
1984	3,780,000	6,220,000	1,250,000	3,220,000	100,000	14,600,000
1985	3,730,000	5,680,000	1,250,000	3,590,000	100,000	14,400,000
1986	3,240,000	5,220,000	1,270,000	3,430,000	100,000	13,300,000
1987	4,440,000	5,550,000	1,160,000	3,150,000	100,000	14,400,000
1988	4,660,000	6,530,000	1,340,000	2,960,000	100,000	15,600,000
1989	5,270,000	5,560,000	1,200,000	3,550,000	100,000	15,700,000
1990	5,060,000	5,780,000	1,250,000	3,770,000	0	15,900,000
1991	4,570,000	6,140,000	1,180,000	3,800,000	100,000	15,800,000
1992	5,220,000	5,830,000	1,320,000	3,870,000	100,000	16,300,000
1993	5,130,000	5,950,000	1,490,000	4,210,000	100,000	16,900,000
1994	4,760,000	6,760,000	1,420,000	4,480,000	100,000	17,500,000
1995	5,160,000	6,630,000	1,470,000	5,270,000	200,000	18,700,000
1996	4,480,000	7,530,000	1,510,000	5,440,000	200,000	19,400,000
1997	4,840,000	8,190,000	1,630,000	5,050,000	200,000	19,900,000
1998	4,840,000	8,140,000	1,980,000	5,120,000	200,000	20,300,000
1999	5,010,000	7,850,000	2,170,000	4,690,000	0	19,700,000
2000	4,670,000	7,650,000	2,070,000	5,120,000	0	19,600,000
2001	4,520,000	6,830,000	2,400,000	5,100,000	0	18,900,000
2002	4,230,000	6,540,000	2,210,000	4,930,000	0	17,900,000
2003	4,470,000	6,890,000	2,510,000	5,310,000	100,000	19,300,000

¹Compiled by G.R. Matos and M.M. Miller.

End Uses of Lime



Lime End-Use Worksheet Notes

Data Source

The source of data for the lime end-use worksheet is the Minerals Yearbook, an annual collection, compilation, and analysis of mineral industry data, published by the U.S. Bureau of Mines and the U.S. Geological Survey.

End Use

End use is defined as the use of the mineral commodity in a particular industrial sector or product. Lime end uses are based on lime sold or used by producers. For lime, end-use categories are chemical and industrial, metallurgical, construction, and environmental. The undistributed category includes imports for which lime applications were unknown.

- The category chemical and industrial includes:
 - Agriculture
 - Aglime and fertilizer
 - Glass
 - Paper and pulp
 - Precipitated calcium carbonate
 - Sugar refining
 - Other chemical and industrial category may include uses such as alkalis, sand-lime brick, calcium carbide, calcium silicate, citric acid, food products (animal and human), gelatin, insecticides, magnesia from sea water, oil and grease, oil well drilling, petrochemicals, paint, petroleum refining, plastics, rubber, tanning, and other uses.
- The category metallurgical includes:
 - Steel and iron:
 - Basic oxygen furnaces
 - Electric arc furnaces
 - Open-hearth furnaces
 - Other steel and iron uses which include argon oxygen decarburization, ladle desulfurization, magnesium metal, wire drawing, and other uses.
 - Nonferrous metallurgy:
 - Aluminum and bauxite
 - Copper ore concentration
 - Other ore concentration
 - Other nonferrous category includes magnesium, and other ores.
 - Refractories (dead-burned dolomite)
- The category construction includes:
 - Asphalt
 - Building uses which include finishing lime and mason's lime
 - Road and soil stabilization
 - Other construction
- The category environmental includes:
 - Flue gas desulfurization (FGD):
 - Utility power plants
 - Incinerators
 - Industrial boilers and other FGD
 - Sludge treatment:
 - Sewage
 - Other, industrial, hazardous, etc.
 - Water treatment:
 - Acid mine drainage
 - Drinking water
 - Waste water
 - Other environmental uses

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

References

U.S. Bureau of Mines, 1977–96, Minerals Yearbook, v. I, 1975–94.
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].)

For more information, please contact:

[USGS Lime Commodity Specialist](#)