NITROGEN (FIXED)—AMMONIA STATISTICS 1 U.S. GEOLOGICAL SURVEY

[All values in metric tons (t) nitrogen content unless otherwise noted]

Last modification: October 26, 2007

1947	1943	406,000	Imports	Exports	Stocks				
1943	1943	406,000	•					(プロゆ/じ)	production
1944 405,000 2,700 403,000 3,000 3,000 3,000 409,000 3,100 3,100 3,100 3,200 3,200 3,200 3,230,00 3,230,00 3,250,000 3,250,000	1944			1,000		•	· · · /	(, ,	•
1945 409,000 3,000 3,000 409,000 1946 541,000 5,000 4,000 542,000 3,280,0 1948 813,000 156,000 2,000 967,000 3,950,0 1949 965,000 1,000 964,000 4,560,0 1950 1,170,000 7,000 1,160,000 69,80 472 4,810,0 1951 1,330,000 5,000 1,320,000 72,00 451 5,240,0 1952 1,530,000 11,000 1,520,000 72,00 443 5,300,0 1953 1,710,000 11,000 1,520,000 72,00 443 5,300,0 1953 1,710,000 11,300 1,690,000 78,40 479 6,450,0 1954 2,040,000 29,300 2,010,000 78,40 475 7,300,0 1955 2,430,000 33,000 2,390,000 77,00 468 8,070,0 1955 2,430,000 33,000 2,390,000 77,00 468 8,070,0 1956 2,520,000 19,000 39,800 2,500,000 88,00 408 8,620,0 1957 2,780,000 40,000 63,000 3,350,000 76,10 441 9,270,0 1958 2,890,000 40,000 63,000 3,350,000 76,10 441 9,270,0 1961 3,890,000 81,000 3,351,000 83,40 459 12,900,0 1962 4,340,000 13,000 76,000 3,381,000 83,40 459 12,900,0 1963 4,990,000 13,000 56,100 49,900,00 83,40 444 17,100,0 1965 6,620,000 152,000 18,000 49,1000 8,340 444 17,100,0 1966 7,910,000 33,000 59,500 1,90,000 83,40 444 17,100,0 1966 7,910,000 33,000 58,000 49,900,00 83,40 444 17,100,0 1967 9,100,000 33,000 58,000 1,90,000 83,40 443 19,900,0 1968 9,440,000 231,000 169,000 49,1000 8,90,000 83,40 443 19,900,0 1968 9,540,000 33,000 35,000 1,90,000 8,90,000 83,40 443 1,90,00 1969 9,540,000 33,000 35,000 1,90,000 1,90,000 18,40 21,20,000 1970 10,300,000 54,000 58,000 1,90,000 1,50,000 18,40 21,20,000 1971 10,900,000 344,000 369,000 1,240,000 1,30,000 31,40 20,000 31,40 20,000 31,40 20,000 31,40 20,000 31,40 20,000 31,40 20,000 31,40 20,000 31,40 20,000 31,40 20,000 31,40 20,000 31,		403.0001							
1946			3,000						
1947						,			2,380,000
1948			- ,						3,330,000
1949 965,000			156,000						3,950,000
1950			, , , , , ,						4,560,000
1951							69.80	472	4,810,000
1952	1951								5,240,000
1953									5,300,000
1954									6,450,000
1955				,					7,300,000
1956									8,070,000
1957			19.000						8,620,000
1958			,,,,,,,						9,270,000
1959									10,800,000
1960			40.000						
1961 3,890,000 76,000 3,810,000 83.40 455 14,000,0 1962 4,340,000 44,300 4,290,000 83.40 450 11,900,0 1963 4,990,000 118,000 111,000 490,000 5,700,000 83.40 449 17,100,0 1964 5,700,000 118,000 111,000 490,000 5,700,000 83.40 439 19,400,0 1965 6,620,000 152,000 138,000 519,000 6,600,000 83.40 432 21,800,0 1966 7,910,000 231,000 169,000 491,000 8,000,000 83.40 420 25,000,0 1967 9,100,000 238,000 330,000 330,000 330,000 330,000 330,000 323,000 1,390,000 8,210,000 761,10 371 28,700,0 1968 9,040,000 298,000 595,000 1,190,000 8,950,000 68.90 323 32,100,0 1970 10,300,000 361,000 727,000 1,070,000 9,880,000 51.60 217 38,800,0 1971 10,900,000 344,000 369,000 1,240,000 11,100,000 54.40 212 43,000,0 1972 11,300,000 288,000 530,000 1,190,000 11,100,000 54.40 212 43,000,0 1973 11,300,000 246,000 672,000 640,000 11,500,000 77.00 283 46,700,0 1974 11,700,000 338,000 226,000 849,000 11,600,000 181 598 48,400,0 1976 12,500,000 543,000 327,000 1,540,000 12,500,000 188 509 49,500,0 1978 12,200,000 601,000 262,000 1,540,000 12,500,000 188 317 62,000,0 1978 12,200,000 543,000 327,000 1,680,000 12,500,000 188 317 62,000,0 1980 14,700,000 1,450,000 587,000 1,800,000 13,400,000 118 317 62,000,0 1980 14,700,000 1,550,000 1,580,000 12,000,000 118 265 71,100,0 1982 11,800,000 1,560,000 459,000 14,900,000 118 265 71,100,0 1983 10,200,000 1,560,000 459,000 1,500,000 166 179 75,900,0 1983 12,200,000 1,560,000 459,000 13,400,000 160 179 75,900,0 1984 12,500,000 1,560,000 1,560,000 1,560,000 1,400,000 160 179 75,900,0 1984 12,500,000 1,560,000 459,000 1,500,000 14,900,000 160 179 75,900,0 1988 12,500,000 2,450,000 370,000 3,4000 3			,			, ,			12,900,000
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1963									
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1969									32,100,000
1970									35,900,000
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									97,500,000
									93,800,000
									93,400,000
	1993								91,600,000
	1994	13,300,000	3,450,000	215,000	956,000	16,400,000	191	210	93,800,000

NITROGEN (FIXED)—AMMONIA STATISTICS 1 U.S. GEOLOGICAL SURVEY

[All values in metric tons (t) nitrogen content unless otherwise noted]

Last modification: October 26, 2007

					Apparent	Unit value	Unit value	World
Year	Production	Imports	Exports	Stocks	consumption	(\$/t)	(98\$/t)	production
1995	13,000,000	2,630,000	319,000	959,000	15,300,000	173	185	100,000,000
1996	13,400,000	3,390,000	435,000	881,000	16,400,000	172	179	105,000,000
1997	13,300,000	3,530,000	395,000	1,530,000	15,800,000	157	159	103,000,000
1998	13,800,000	3,460,000	614,000	1,050,000	17,100,000	110	110	104,000,000
1999	12,900,000	3,890,000	562,000	996,000	16,300,000	98.80	97.00	107,000,000
2000	11,800,000	3,880,000	662,000	1,120,000	14,900,000	153	145	108,000,000
2001	9,120,000	4,550,000	647,000	261,000	13,200,000	166	153	105,000,000
2002	10,300,000	4,670,000	437,000	286,000	14,500,000	124	112	109,000,000
2003	8,450,000	5,720,000	400,000	195,000	13,900,000	222	197	110,000,000
2004	8,990,000	5,900,000	381,000	298,000	14,400,000	248	214	117,000,000
2005	8,340,000	6,520,000	525,000	254,000	14,400,000	285	238	122,000,000
2006	8,180,000	5,920,000	194,000	201,000	14,000,000	274	222	124,000,000

¹Compiled by C.A. DiFrancesco (retired) and D.A. Kramer.

Data are calculated, estimated, or reported. See notes for more information.

Nitrogen (fixed)—Ammonia Worksheet Notes

Data Sources

The sources of data for the nitrogen (fixed)—ammonia worksheet were the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB) and Mineral Facts and Problems (MFP). The years of publication and corresponding years of data coverage are listed in the References section below. Blank cells in the worksheet indicate that data were not available. Data were for nitrogen content except where noted.

Production

Production data for ammonia (nitrogen content) in the United States were for anhydrous ammonia, excluding coke byproducts and aqueous ammonia when possible. Data were from the MYB.

Imports

Import data reported the amounts of ammonia (nitrogen content) imported into the United States. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1943–44, 1947, 1949–55, 1957–58, and 1960–62.

Exports

Export data reported the amounts of ammonia (nitrogen content) exported from the United States. Data for the years 1958–62 were for both industrial chemical and fertilizer ammonia. Data were from the MYB.

Stocks

Stocks data reported the amount of ammonia (nitrogen content) held in stocks. Data were from the MFP for the years 1964–83 and the MYB for the years 1984–2006. Blank cells in the worksheet indicate that data were not available for the years 1943–63.

Apparent Consumption

Apparent consumption was estimated for the years 1943–2006, by using the formula:

APPARENT CONSUMPTION = PRODUCTION + IMPORTS - EXPORTS ± STOCK CHANGES.

Data were from the MYB.

Unit Value (\$/t)

Unit value is the value in dollars of 1 metric ton (t) of ammonia (nitrogen content) apparent consumption. Unit value was estimated for the United States in actual dollars by using price data "delivered east of the Rockies" for 1950–77 and "Gulf Coast" prices for 1978–2006. Data for 1950–87 are yearend prices. Data for 1988–2006 are average annual prices. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1943–49.

Unit Value (98\$/t)

The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars. Blank cells in the worksheet indicate that data were not available for the years 1943–49.

World Production

World production data were for ammonia produced. Data for 1946–57 were for "fertilizer nitrogen compounds," and were reported as fertilizer years (July 1–June 30), not calendar years. Blank cells in the worksheet indicate that data were not available for the years 1943–45. Data were from the MYB.

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