

**Table 9 Production and Atmospheric Release**  
**HCFC-142b** (thousand metric tonnes)

**Expanded Data**

**Reporting Companies only**

(thousand metric tonnes)

	Cumulative														
	Annual			Total			Short Banking Times			Medium Banking Times			Long Banking Times		
	Production	Released		Production	Released	Unreleased	Sales	Released	Unreleased	Sales	Released	Unreleased	Sales	Released	Unreleased
1981	2.6	0.9		2.6	0.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	2.5	0.8	1.7
1982	1.9	0.7		4.5	1.6	2.9	0.1	0.1	0.0	0.0	0.0	0.0	4.3	1.5	2.9
1983	2.2	0.9		6.7	2.5	4.2	0.2	0.2	0.0	0.0	0.0	0.0	6.5	2.3	4.2
1984	2.4	1.0		9.0	3.5	5.5	0.3	0.3	0.0	0.0	0.0	0.0	8.7	3.2	5.5
1985	1.4	0.8		10.4	4.3	6.1	0.4	0.4	0.0	0.0	0.0	0.0	10.0	3.9	6.1
1986	7.1	2.7		17.5	7.0	10.5	0.6	0.5	0.0	0.0	0.0	0.0	16.9	6.5	10.5
1987	6.9	2.9		24.4	9.9	14.5	0.8	0.7	0.0	0.1	0.0	0.0	23.6	9.1	14.5
1988	7.8	3.4		32.3	13.3	19.0	1.0	0.9	0.0	0.1	0.0	0.0	31.2	12.3	18.9
1989	10.3	4.7		42.5	18.0	24.5	1.7	1.6	0.1	0.1	0.1	0.0	40.7	16.3	24.4
1990	18.8	8.6		61.3	26.7	34.6	4.1	3.7	0.4	0.1	0.1	0.0	57.1	22.9	34.2
1991	27.2	12.6		88.5	39.3	49.2	7.4	6.8	0.6	0.2	0.1	0.1	80.9	32.4	48.5
1992	30.7	16.0		119.1	55.3	63.9	12.7	11.8	0.9	0.2	0.1	0.1	106.2	43.3	62.9
1993	33.7	17.7		152.8	72.9	79.9	15.2	14.8	0.4	0.2	0.1	0.1	137.4	58.0	79.4
1994	38.4	19.8		191.2	92.7	98.5	17.3	16.9	0.3	0.2	0.2	0.1	173.7	75.6	98.0
1995	38.7	21.7		229.9	114.4	115.5	20.9	20.3	0.6	0.7	0.3	0.3	208.3	93.7	114.6
1996	38.1	22.2		268.0	136.6	131.4	23.4	23.0	0.4	1.3	0.6	0.7	243.3	113.0	130.3
1997	40.6	23.3		308.6	160.0	148.7	24.6	24.4	0.2	1.9	1.0	1.0	282.0	134.6	147.5
1998	38.0	22.9		346.6	182.8	163.7	24.9	24.8	0.0	2.6	1.4	1.2	319.1	156.6	162.5
1999	42.4	25.5		389.0	208.3	180.7	25.0	25.0	0.0	3.5	1.9	1.6	360.5	181.4	179.1
2000	43.1	27.0		432.1	235.3	196.8	25.2	25.2	0.0	5.0	2.7	2.3	401.9	207.4	194.5

**Notes**

Emissions are calculated from production and categorised sales using "emission functions".

The emission function for "Long" banking times has been changed in view of the results of a survey commissioned by AFEAS:

(Ashford P., 1999, Development of a global emission function for blowing agents used in closed cell foam, Final Report to AFEAS)

This showed that most (94%) of the HCFC-142b in closed cell foams was used to blow extruded polystyrene, the emission function for which comprises

32.5% loss in the year of manufacture and 3%/yr thereafter.

Columns affected by this change are shaded pale green/blue.

The emission function for "Short" banking time (e.g.open cell foam) is the same as in previous reports (83% emitted in the year of manufacture and 100% the year after).

The emission function for "Medium" banking time (mainly refrigeration) is the same as in previous reports (an initial loss of 30%, with the remainder normally distributed about a mean 4.5 year service lifetime).