

Table 7. Deposition and Chemical Transformation Rates for Nitrogen Compounds

Compound	Parameter	Rate	Reference	Comments
NO <sub>2</sub>		NO <sub>2</sub> ≈ ¼ SO <sub>2</sub>	Beilke (1970)	
	v	0.3 to 0.8 cms <sup>-1</sup>	Judeikis and Wren (1978)	Soil, cement surfaces. For the same surfaces, deposition velocities for SO <sub>2</sub> were in the range of 0.3 to 2.5 cms <sup>-1</sup> with most values around 1 cms <sup>-1</sup> .
		1.9 cms <sup>-1</sup>	Sehmel (1980)	Alfalfa canopy, calculated from experiments of Hill (1971). For the same canopy, deposition velocity for SO <sub>2</sub> was 2.7 cms <sup>-1.2</sup> .
		0.05 to 0.6 cms <sup>-1</sup>	Wesely et al. (1981)	Nighttime and maximum daytime eddy correlation measurements, respectively, at 5 m above a soybean field.
NO	v	0.1 to 0.2 cms <sup>-1</sup>	Judeikis and Wren (1978)	Soil, cement surfaces. See comments for NO <sub>2</sub> above.
		0.1 cms <sup>-1</sup>	Sehmel (1980)	Alfalfa canopy. See comments for NO <sub>2</sub> above.
PAN	v	0.8 cms <sup>-1</sup>	Sehmel (1980)	Alfalfa canopy. See comments for NO <sub>2</sub> above.
		0 0.25 cms <sup>-1</sup>	Garland and Penkett (1976)	Water. Grass and soil surfaces.