

TABLE 1

Resistances to deposition of selected trace gases, measured for solid surfaces in a cylindrical flow reactor (Judeikis and Stewart, 1976) and for alfalfa in a growth chamber (Hill, 1971). Solid-surface data are derived from Table 2 of Judeikis and Wren (1978). The alfalfa values are obtained from Table 1 of Hill (1971). Resistances (in  $s\ cm^{-1}$ ) refer to transfer between air contained in the vessel and the substrate; they, therefore, represent only part of the overall transfer process, but in many instances other resistances will be small in comparison to the values given here.

Pollutant	Substrate surface		
	Adobe clay	Sandy loam	Alfalfa
CO	-	-	$\infty$
H <sub>2</sub> S	62	67	-
(CH <sub>3</sub> ) <sub>2</sub> S	3.6	16	-
NO	7.7	5.3	10
CO <sub>2</sub>	-	-	3.3
O <sub>3</sub>	-	-	0.7
NO <sub>2</sub>	1.3	1.7	0.5
Cl <sub>2</sub>	-	-	0.5
SO <sub>2</sub>	1.1	1.7	0.4
HF	-	-	0.3