

**Table 9.4:** Average  $\delta^{15}\text{N}$  values  $\pm$  SE [‰] (ranges in brackets) and enrichment factors  $\epsilon_{\text{f-s}} \pm$  SE [‰] of fruit bodies of four functional groups of fungi collected in the Fichtelgebirge (Wülfersreuth site, NE Bavaria, Germany) and at Åheden (N Sweden). Data for the fruitbodies are according Taylor et al. (1997) and Gebauer and Taylor (1999); n.d.: not determined.

Functional group	Fichtelgebirge (Wülfersreuth)			Åheden		
	n	$\delta^{15}\text{N}$	$\epsilon_{\text{f-s}}$	n	$\delta^{15}\text{N}$	$\epsilon_{\text{f-s}}$
ECM fungi capable of utilizing organic N from humus	9	1.5 $\pm$ 0.6 (-1.4 to 4.2)	2.2 $\pm$ 0.5	54	6.2 $\pm$ 0.5 (-0.8 to 15.4)	2.5
ECM fungi utilizing inorg. N in the soil ( <i>Laccaria ssp.</i> )	3	-2.0 $\pm$ 0.3 (-2.3 to -1.5)	n.d.	2	2.2 (1.8 to 2.6)	n.d.
Saprophytic fungi capable of utilizing organic N from humus	9	1.9 $\pm$ 0.3 (0.2 to 3.0)	2.5 $\pm$ 0.4			
Saprophytic fungi utilizing N from litter/wood	13	-2.0 $\pm$ 0.3 (-3.8 to 0.5)	0.9 $\pm$ 0.4			