

Table 3. Potentially mineralizable carbon (PMC) and microbial biomass for meadow brome grass with different rates of N and in varied mixture ratios with alfalfa

Treatment†	PMC	Microbial biomass (ng g ⁻¹)		
	(CO ₂ -C g ⁻¹ soil day ⁻¹)	Total	Bacteria	Fungi
100AF	637	5796a	2895a	729
100MB+N0	433	4617ab	2464ab	731
100MB+N56	575	3861b	2143b	562
100MB+N112	705	5332a	2917a	765
50AF+50MB	532	4771ab	2552ab	661
30AF+70MB	593	4047b	2252b	572
Mean	579	4713	2538	670
<i>P</i> -value	0.429	0.009	0.045	0.215
LSD (0.05)	273	68	580	203

†% of AF = alfalfa; MB = meadow brome grass; N0 = 0 kg N ha⁻¹; N56 = 56 kg N ha⁻¹; N112 = 112 kg N ha⁻¹