

Table 4. Rate of release of N₂O measurements made in June 2008.

[NEC, Northeast Creek Watershed; GW#, measurement site; mM, millimolar; Temp., temperature; °C, temperature; degrees Celsius; NO₃, nitrate; nmoles, nanomoles; m, meters; hr, hours; sq, square; T₀, date and time chamber sealed; T₁, beginning of period of associated flux calculation; T₂ ending of period of flux calculation; N₂O, nitrous oxide; C₂H₂, Acetylene]

Location	Sequence No. ¹	Chamber Sealed (T ₀)	Start Time (T ₁)	End Time (T ₂)	Treatment	Number of replicate measurements ²	Soil Temp. (°C)	Net N ₂ O release ³ (nmoles/sq m/hr)
NEC GW1	1	6/10/08 14:30	6/10/08 15:30	6/10/08 18:05	Ambient	1	22	0
NEC GW1	2	6/10/08 14:30	6/10/08 18:05	6/12/2008 9:00	Ambient	1	22	0
NEC GW1	1	6/10/08 14:22	6/10/08 15:26	6/10/08 18:08	+ C ₂ H ₂	2	22	0
NEC GW1	2	6/10/08 14:22	6/10/08 18:08	6/12/2008 9:03	+ C ₂ H ₂	2	22	0
NEC GW2	1	6/10/08 16:22	6/10/08 16:37	6/10/08 18:42	Ambient	1	22	0
NEC GW2	2	6/10/08 16:22	6/10/08 18:42	6/12/2008 9:18	Ambient	1	22	0
NEC GW3	1	6/10/08 16:12	6/10/08 18:31	6/10/08 18:39	+ C ₂ H ₂	2	22	0
NEC GW3	2	6/10/08 16:12	6/10/08 18:39	6/12/2008 9:12	+ C ₂ H ₂	2	23	0
NEC GW4	1	6/11/08 15:14	6/11/08 16:15	6/12/2008 10:10	Ambient	3	24	0
NEC GW5	2	6/12/08 8:00	6/12/08 8:00	6/12/08 12:15	Ambient	3	25	0
NEC GW6	1	6/11/08 17:56	6/11/08 18:56	6/12/2008 11:03	Ambient	3	26	0

¹Sequence numbers refer to the chronologically ordered N₂O release rate measurements at a given site for the same treatment following sealing of the chamber.

²Replicate measurements refers to the number of individual chambers receiving the same treatment. Values shown are for the average of measurements receiving the same treatment.