Table 6. Summary of N_2O emissions from uplands under inorganic fertilizer application in the countries with temperate climate.

Site	MAT (°C)	MAP (mm)	SOC (g C kg^{-1})	pH	Warm season				Cold season				Whole year			Reference
					Crop	Applied N (kg N ha^{-1})	N_2O emission (kg N ha^{-1})	N_2O EF (%)	Crop	Applied N (kg N ha^{-1})	N_2O emission (kg N ha^{-1})	N_2O EF (%)	Applied N (kg N ha^{-1})	N_2O emission (kg N ha^{-1})	N_2O EF (%)	
Fengqiu, China	14	615	7	8.7	Maize	250	3.8	1.3	Wheat	250	0.6	0.3	500	4.5	0.8	Ding et al. (2007)
Huantai, China	13	586	10	8.3	Maize	330	1.6	0.4	Wheat	270	2.4	0.8	600	4.0	0.6	Cui et al. (2012)
Baoding, China	12	555	9	8.1	Maize	173	4.5	2.2	Wheat	165	3.3	1.3	338	7.7	1.8	Zhang et al. (2014)
Tsukuba, Japan	16	1460	19	5.7	Soybean	20	2.7	13	Wheat	100	0.5	0.5	120	3.2	2.7	Nishimura et al. (2005)
Fukushima, Japan	14	1207	14	7.4	Barley	150	3.2	2.0	–	–	–	–	–	–	–	Shoji et al. (2001)
Madrid, Spain	13	430	8	7.3	Onion	110	0.8	0.6	Fallow	0	0.25	–	110	1.2	0.7	Meijide et al. (2009)
Lavesum, Germany	10	887	18	5.3	Wheat	220	0.6	0.2	Fallow	0	1.0	–	220	1.9	0.5	Lebender et al. (2014)
Turin, Italy	12	734	10	8.1	Maize	130	0.0	0.0	Fallow	0	2.9	–	130	2.9	3.4	Alluvione et al. (2010)
Boone, USA	9	825	33	7.2	Maize	168	2.9	1.0	–	–	–	–	–	–	–	Parkin and Hatfield (2014)
Michigan, USA	8	628	20	7.0	Maize	225	3.9	1.4	–	–	–	–	–	–	–	Hoben et al. (2011)
Michigan, USA	8	628	20	7.0	Maize	180	2.5	1.2	–	–	–	–	–	–	–	Hoben et al. (2011)
Michigan, USA	8	628	20	7.0	Maize	135	1.7	0.9	–	–	–	–	–	–	–	Hoben et al. (2011)
Michigan, USA	8	628	20	7.0	Maize	90	1.1	0.7	–	–	–	–	–	–	–	Hoben et al. (2011)
Michigan, USA	8	628	20	7.0	Maize	45	0.9	1.1	–	–	–	–	–	–	–	Hoben et al. (2011)
Morris, USA	6	645	32	7.2	Maize	78	–	–	Fallow	0	–	–	78	5.2	3.0	Johnson et al. (2012)
Morris, USA	6	645	32	7.2	Wheat	78	–	–	Fallow	0	–	–	78	4.2	2.8	Johnson et al. (2012)

MAT, mean annual temperature; MAP, mean annual precipitation; EF, the N_2O emission factor of applied N.