Table S3. Tea elements changes of different fertilisation regimes in 2019 and 2020.

Year	Treatment	TC (%)	TN (g kg^{-1})	P (g kg^{-1})	K (g kg^{-1})	Mg (g kg^{-1})
2019	CK	46.17±0.43	53.89±1.33d	5.49±0.53ab	16.56±1.94a	1.45±0.11ab
	CF2	46.60±0.35	57.30±2.22c	5.18±0.8ab	13.11±1.97b	1.32±0.21bc
	T1	46.65±0.48	60.10±0.95a	4.90±0.83b	12.16±1.85b	1.15±0.23c
	T2	46.49±0.34	57.11±1.52bc	4.95±0.96ab	11.91±2.18b	1.32±0.28bc
	T3	46.52±0.37	58.00±1.71bc	5.89±0.41a	13.96±0.87b	1.62±0.07a
	T4	46.32±0.11	59.34±1.4ab	5.54±0.98ab	12.89±2.41b	1.51±0.30ab
	T5	46.56±0.54	59.45±0.54ab	5.76±0.10ab	13.38±0.46b	1.59±0.12a
2020	CK	48.94±0.20a	61.62±1.26c	5.26±0.17	13.69±0.40a	1.54±0.17b
	CF2	48.47±0.61ab	63.04±0.85abc	5.15±0.19	13.70±0.80a	1.66±0.10ab
	T1	48.52±0.51ab	64.02±1.49ab	5.17±0.14	12.04±0.26ab	1.66±0.13ab
	T2	48.70±0.50ab	62.71±0.87abc	4.70±0.67	11.10±1.84bc	1.73±0.040a
	T3	48.25±0.43bc	62.89±1.63abc	5.18±0.25	12.30±0.46ab	1.72±0.10a
	T4	48.45±0.67ab	64.29±1.25a	4.94±1.27	12.58±0.67ab	1.76±0.14a
	T5	47.71±0.33c	62.28±2.03bc	5.23±0.24	9.83±2.83c	1.75±0.09a

CK, no fertiliser; CF, conventional fertiliser; T1, tea-specific formula fertiliser; T2, T1 + acidification amendment; T3, organic substitution based on T1; T4, urea formaldehyde slow-release fertiliser; T5, carbon-based organic fertiliser. TC, total C; TN, total N. Different letters in the same column represent significant differences among treatments at a significance level of $P < 0.05$.