

Supplementary Table 2. The average of seasonal CH₄ emissions, water use, production cost and seasonal yield-scaled CH₄ emissions, water use, and production cost.

Treatment	CH ₄ emissions (kg ha ⁻¹)	Total water use (m ³ ha ⁻¹)	Production costs (USD ha ⁻¹)	Rice grain yield (Mg ha ⁻¹)	Yield-scaled CH ₄ emission (kg CH ₄ Mg ⁻¹)	Yield-scaled water use (m ³ H ₂ O Mg ⁻¹)	Yield-scaled production cost (USD Mg ⁻¹)
CTC	266±2.83 a	12,100±387 A	741±5.59 c	6.60±0.05 B	40.4±0.78 a	1,840±70.9 CD	112±1.65 d
CTA	221±14.7 bc	11,300±986 A	735±5.97 c	6.37±0.11 C	35.0±4.36 ab	1,770±121 D	116±1.17 d
BIC	161±7.53 de	12,700±436 A	730±6.25 c	5.19±0.01 E	31.1±3.68 abc	2,450±86.6 A	141±1.42 b
BIA	129±1.30 e	11,700±491 A	723±4.98 c	5.18±0.01 E	24.9±0.25 c	2,250±93.2 AB	139±1.12 b
BCC	188±13.3 cd	12,600±701 A	1,070±8.28 a	5.81±0.02 D	32.4±2.16 abc	2,160±112 ABC	184±0.71 a
BCA	156±1.90 de	11,700±723 A	1,063±5.39 a	5.74±0.07 D	27.2±0.89 bc	2,030±149 BCD	185±3.02 a
BFC	237±2.32 ab	12,000±325 A	903±7.48 b	6.85±0.04 A	34.6±0.45 abc	1,750±56.4 D	132±1.83 c
BFA	190±12.8 cd	11,200±291 A	897±0.54 b	6.59±0.02 B	29.1±3.59 bc	1,700±48.1 D	136±0.29 bc
Amendment comparison (these values derived from the average of the same amendment treatment under both water managements)							
CT	244±5.94 a	11,700±686 A	738±5.78 c	6.48±0.03 B	37.7±2.57 a	1,800±96.0 B	114±0.24 d
BI	145±3.11 d	12,200±464 A	726±5.61 c	5.19±0.01 D	28.0±1.72 b	2,350±89.9 A	140±1.27 b
BC	172±7.12 c	12,100±712 A	1,066±6.84 a	5.78±0.02 C	29.8±0.63 b	2,090±130 AB	185±1.86 a
BF	214±5.24 b	11,600±172 A	900±4.01 b	6.72±0.01 A	31.9±1.57 ab	1,730±41.6 B	134±0.77 c

The values are the average of two growing seasons. Means±SE with different letters indicate significant difference at the 5% level. CT is