

**Supplementary Table S1.** Nitrogen and irrigation application rates for drip-irrigation rice.

Nitrogen and irrigation management		Seeding stage	Seeding–Panicle initiation stage	Panicle initiation –Heading stage	Heading–15 d before Maturity	15 d before Maturity	Total
Nitrogen	Nitrogen amount (kg·ha <sup>-1</sup> )	0	140.8	79.6	79.6	0	300
	Nitrogen times	0	3	2	2	0	7
Irrigation	Irrigation amount (m <sup>3</sup> ·ha <sup>-1</sup> )	450	1,800	4,200	3,750	0	10,200
	Irrigation times	1	6	14	16	0	37