

Table 1 Effects of nitrogen application rate on nitrogen accumulation of rice plants in different growth stages with different irrigation methods

N source	Water treatment	N treatment	Tillering stage	Booting stage	Full heading stage	Mature period
FN	G1	N ₀	-	-	-	-
		N ₁₆₀	29.57±0.45 ^c	44.18±9.51 ^b	46.63±1.91 ^c	49.84±3.66 ^d
		N ₂₀₀	39.00±1.21 ^b	49.95±6.12 ^{ab}	53.43±3.42 ^{bc}	66.17±2.23 ^{bc}
		N ₂₄₀	44.40±4.18 ^{ab}	57.29±2.42 ^a	67.72±10.87 ^a	81.97±10.25 ^a
	G2	N ₀	-	-	-	-
		N ₁₆₀	29.78±1.79 ^c	42.20±6.46 ^b	43.21±4.38 ^c	48.09±1.38 ^d
		N ₂₀₀	41.22±3.41 ^{ab}	52.00±2.00 ^{ab}	53.43±3.51 ^{bc}	59.01±12.52 ^{cd}
		N ₂₄₀	46.00±3.20 ^a	59.79±0.36 ^a	64.72±5.78 ^{ab}	80.27±6.76 ^{ab}
SN	G1	N ₀	31.47±5.90 ^{bc}	57.54±3.80 ^a	75.98±1.49 ^{de}	88.06±3.32 ^{cd}
		N ₁₆₀	25.63±2.81 ^c	56.62±1.43 ^a	58.78±3.57 ^f	78.02±9.27 ^d
		N ₂₀₀	30.22±2.86 ^{bc}	63.55±2.25 ^a	82.72±2.57 ^{bcd}	100.35±5.32 ^{bc}
		N ₂₄₀	38.02±1.4 ^{ab}	65.03±4.41 ^a	92.83±7.83 ^{ab}	121.22±5.99 ^a
	G2	N ₀	37.59±1.89 ^{ab}	61.77±5.60 ^a	78.27±4.71 ^{cd}	91.6±6.56 ^{cd}
		N ₁₆₀	32.31±0.50 ^{bc}	61.91±3.05 ^a	65.62±6.09 ^{ef}	84.57±11.65 ^{cd}
		N ₂₀₀	37.91±2.15 ^{ab}	62.37±3.27 ^a	88.39±7.58 ^{bc}	115.88±12.69 ^{ab}
		N ₂₄₀	41.29±4.31 ^a	65.66±3.99 ^a	101.34±3.79 ^a	131.61±5.74 ^a
PN	G1	N ₀	31.47±5.90 ^d	57.54±3.80 ^d	75.98±1.49 ^d	88.06±3.32 ^d
		N ₁₆₀	55.20±3.09 ^c	100.79±9.07 ^c	105.40±3.66 ^c	127.85±6.44 ^c
		N ₂₀₀	69.22±1.70 ^b	113.49±4.53 ^{abc}	136.15±5.46 ^b	166.52±3.23 ^b
		N ₂₄₀	82.43±2.84 ^a	122.32±4.09 ^a	160.55±6.98 ^a	203.19±4.32 ^a
	G2	N ₀	37.59±1.89 ^d	61.77±10.60 ^d	78.27±4.72 ^d	91.6±6.56 ^d
		N ₁₆₀	62.09±2.29 ^{bc}	104.11±4.88 ^{bc}	108.83±3.55 ^c	132.66±10.45 ^c
		N ₂₀₀	79.13±7.83 ^a	114.37±4.09 ^{ab}	141.81±8.20 ^b	174.89±9.1 ^b
		N ₂₄₀	87.29±2.89 ^a	125.45±4.34 ^a	166.06±4.91 ^a	211.88±10.2 ^a

Note: Different small letters in the same column meant significant difference among treatments for the same N source at 0.05 level ($P<0.05$); FN, SN and PN represent fertilizer nitrogen, soil nitrogen and total plant nitrogen, respectively