

Table 2 Effect of nitrogen application rate on nitrogen distribution in rice plants at maturity stage

Organ	Water treatment	N treatment	FN	SN	PN	
					Accumulation (kg·hm ⁻²)	Distribution ratio (%)
Leaf	G1	N ₀	-	-	10.50±0.69 ^c	11.92
		N ₁₆₀	6.84±0.58 ^c	7.88±0.93 ^f	13.49±1.12 ^c	12.14
		N ₂₀₀	8.94±0.92 ^{bc}	10.13±1.49 ^{de}	19.54±1.97 ^b	10.55
		N ₂₄₀	12.09±1.08 ^a	12.67±0.46 ^{bc}	24.25±1.71 ^a	10.59
	G2	N ₀	-	-	11.12±0.96 ^c	11.73
		N ₁₆₀	6.91±1.81 ^c	8.76±1.87 ^{ef}	14.05±1.69 ^c	13.67
		N ₂₀₀	8.51±1.73 ^{bc}	14.95±0.36 ^a	23.91±2.22 ^a	11.94
		N ₂₄₀	11.00±1.35 ^{ab}	13.58±1.24 ^{ab}	24.31±2.83 ^a	11.47
Root	G1	N ₀	-	-	3.23±0.64 ^e	3.66
		N ₁₆₀	1.77±0.55 ^b	3.58±0.48 ^d	5.14±0.60 ^{cd}	3.87
		N ₂₀₀	2.32±0.20 ^b	4.36±0.55 ^{cd}	7.13±0.66 ^b	4.02
		N ₂₄₀	3.44±0.05 ^a	5.59±1.15 ^{bc}	10.06±0.26 ^a	4.73
	G2	N ₀	-	-	3.55±0.32 ^{de}	4.28
		N ₁₆₀	1.65±0.24 ^b	3.55±0.32 ^d	6.28±0.37 ^{bc}	4.31
		N ₂₀₀	2.12±0.87 ^b	5.05±1.12 ^c	7.53±2.06 ^b	4.95
		N ₂₄₀	3.52±0.20 ^a	7.2±0.55 ^a	10.31±0.83 ^a	4.87
Steam	G1	N ₀	-	-	15.16±1.38 ^d	17.22
		N ₁₆₀	7.03±0.83 ^b	14.41±0.84 ^{bc}	20.98±1.01 ^c	15.00
		N ₂₀₀	7.13±1.35 ^b	15.12±2.28 ^{bc}	23.51±4.09 ^c	16.41
		N ₂₄₀	10.93±0.60 ^a	18.38±3.09 ^{ab}	28.9±3.29 ^{ab}	17.48
	G2	N ₀	-	-	13.74±2.04 ^d	14.12
		N ₁₆₀	6.68±1.01 ^b	16.59±2.42 ^{bc}	23.19±2.09 ^c	14.52
		N ₂₀₀	7.45±2.30 ^b	17.71±2.3 ^{abc}	25.39±2.71 ^{bc}	14.24
		N ₂₄₀	10.15±0.76 ^b	21.02±1.43 ^a	31.55±2.13 ^a	14.89
Grain	G1	N ₀	-	-	59.17±1.89 ^d	67.19
		N ₁₆₀	19.27±4.26 ^b	58.81±3.04 ^c	88.25±5.60 ^c	68.98
		N ₂₀₀	24.17±3.83 ^b	70.32±5.77 ^{bc}	116.35±5.52 ^b	69.02
		N ₂₄₀	30.25±0.91 ^a	83.38±3.05 ^a	139.95±6.39 ^a	67.20
	G2	N ₀	-	-	63.19±5.07 ^d	69.87
		N ₁₆₀	20.78±2.25 ^b	61.26±9.17 ^c	89.14±8.10 ^c	67.50
		N ₂₀₀	23.55±2.48 ^b	77.63±11.32 ^b	118.05±6.31 ^b	68.88
		N ₂₄₀	30.75±2.34 ^a	89.97±4.07 ^a	145.71±8.14 ^a	68.77
Total	G1	N ₀	-	-	88.06±3.32 ^d	-
		N ₁₆₀	34.91±3.52 ^c	84.68±4.31 ^c	127.85±6.44 ^c	-
		N ₂₀₀	42.56±4.20 ^b	100.35±5.32 ^{bc}	166.52±3.23 ^b	-
		N ₂₄₀	56.70±0.79 ^a	121.22±5.99 ^a	203.19±4.32 ^a	-
	G2	N ₀	-	--	91.6±6.56 ^d	-
		N ₁₆₀	36.02±2.70 ^{bc}	91.24±13.44 ^c	132.66±10.45 ^c	-
		N ₂₀₀	41.63±5.90 ^{bc}	115.88±12.69 ^{ab}	174.89±9.1 ^b	-
		N ₂₄₀	55.42±1.37 ^a	131.61±5.74 ^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