

Table 3 Effect of nitrogen application rate on post-anthesis nitrogen transfer from different sources of vegetative organs

N source	Water treatment	N treatment	Amount of nitrogen transformation		
			FN	SN	PN
Root	G1	N ₀	-	-	1.31±0.49 ^a
		N ₁₆₀	0.47±0.26 ^a	1.35±0.21 ^a	1.82±0.46 ^a
		N ₂₀₀	0.5±0.83 ^a	2.12±1.04 ^a	2.2±1.43 ^a
		N ₂₄₀	1.52±0.58 ^a	2.93±2.53 ^a	4.29±2.41 ^a
	G2	N ₀	-	-	1.4±1.74 ^a
		N ₁₆₀	0.83±0.39 ^a	0.48±0.52 ^a	1.73±0.61 ^a
		N ₂₀₀	1.04±0.37 ^a	1.41±1.38 ^a	2.45±1.61 ^a
		N ₂₄₀	1.35±0.69 ^a	2.32±1.53 ^a	3.83±2.46 ^a
Steam	G1	N ₀	-	-	5.61±2.72 ^{bc}
		N ₁₆₀	1.68±0.99 ^a	4.23±1.85 ^{bc}	5.91±1.87 ^{bc}
		N ₂₀₀	1.59±2 ^a	11.45±3.01 ^a	13.04±5.01 ^{ab}
		N ₂₄₀	7.29±4.06 ^a	10.91±3.01 ^{ab}	18.2±1.4 ^a
	G2	N ₀	-	-	6.89±0.91 ^{bc}
		N ₁₆₀	2.36±1.44 ^a	1.11±5.16 ^c	3.47±3.99 ^c
		N ₂₀₀	5.75±2 ^a	7.44±3.41 ^{abc}	13.19±2.4 ^{ab}
		N ₂₄₀	5.82±4.59 ^a	12.18±3.19 ^a	18±7.78 ^a
Leaf	G1	N ₀	-	-	21.36±4.35 ^c
		N ₁₆₀	12.75±0.53 ^b	17.94±2.45 ^b	30.69±2.08 ^{bc}
		N ₂₀₀	13.92±1.24 ^b	28.61±1.82 ^a	42.53±1.99 ^a
		N ₂₄₀	23.79±4.32 ^a	24.2±4.91 ^{ab}	47.99±3.61 ^a
	G2	N ₀	-	-	21.73±0.16 ^c
		N ₁₆₀	12.93±2.14 ^b	18.6±6.25 ^{ab}	31.53±4.18 ^{bc}
		N ₂₀₀	17.2±6.55 ^{ab}	20.5±5.95 ^{ab}	37.7±10.9 ^{ab}
		N ₂₄₀	22.43±4.38 ^a	24.95±5.29 ^a	47.38±7.93 ^a
Total	G1	N ₀	-	-	28.27±3.78 ^d
		N ₁₆₀	14.9±1.72 ^b	23.52±3.45 ^{bc}	38.41±2.76 ^{cd}
		N ₂₀₀	16.01±2.13 ^b	42.18±0.31 ^a	57.77±2.96 ^{ab}
		N ₂₄₀	32.6±8.93 ^a	38.05±9.68 ^{ab}	70.49±7.06 ^a
	G2	N ₀	-	-	30.03±2.46 ^d
		N ₁₆₀	16.12±3.74 ^b	20.19±11.65 ^c	36.73±7.43 ^d
		N ₂₀₀	23.99±8.48 ^{ab}	29.36±10.05 ^{abc}	53.34±13.88 ^{bc}
		N ₂₄₀	29.6±8.69 ^a	39.45±7.68 ^{ab}	69.2±14.57 ^{ab}

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