

1 **Effect of Irrigation Regime and Soil Nutrients on the Growth of the Paddy Weed**
2 ***Heteranthera reniformis* and Rice Grain Yield**

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7 Supplementary Materials

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11 **Supplementary Material**

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13 **List of Supplementary Material**

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16 **Table S1** Mean height of rice during growth (monthly).

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18 **Table S2** Mean number of tillers observed during growth (monthly).

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20 **Table S1.** Mean height of rice during growth (monthly).

Irrigation(IR)	Nutrient(NT)	30DAT	60DAT	90DAT
CI				
	NT ₀	63.67±1.89 ^{de}	90.67±0.94 ^a	94.43±1.76 ^a
	NT ₁	64±2.94 ^{de}	90.33±0.47 ^a	94.63±0.49 ^a
	NT ₂	67±2.83 ^{cde}	94.33±0.94 ^a	99.47±3.51 ^a
S				
	NT ₀	77.67±5.44 ^{abc}	82.33±1.7 ^{bcd}	97.93±2.52 ^a
	NT ₁	80±7.07 ^{ab}	84.67±1.25 ^{bc}	98.33±1.75 ^a
	NT ₂	81.33±1.25 ^a	85±0.82 ^b	102.2±2.73 ^a
25P				
	NT ₀	66.67±2.49 ^{cde}	80.33±1.25 ^d	94.33±3.3 ^a
	NT ₁	68±3.56 ^{bcde}	80.67±0.47 ^{cd}	96.37±0.58 ^a
	NT ₂	67.33±2.06 ^{cde}	84.67±1.7 ^{bc}	94.57±2.53 ^a
35P				
	NT ₀	68.33±1.25 ^{bcde}	81.1±1.41 ^{bcd}	91.6±3.37 ^a
	NT ₁	61.33±1.25 ^e	82.03±1.41 ^{bcd}	93±1.96 ^a
	NT ₂	75.67±3.68 ^{abcd}	84±0.82 ^{bcd}	97.5±7.72 ^a
f-value				
	IR	21.95***	93***	3.2*
	NT	3.95*	18.52***	3.07ns
	IR×NT	2ns	1.2ns	.5ns

21 Values are means ± standard error. According to the Tukey test, different lowercase letters
 22 within a column indicate that means are significantly different (p < 0.05) among all individual
 23 treatments. ns - not significant, * p < 0.05, and ***p < 0.001 in two-way ANOVA.

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26 **Table S2.** Mean number of tillers observed during growth (monthly).

Irrigation(IR)	Nutrients(NT)	30DAT	60DAT	90DAT
CI				
	NT ₀	8.67 ^{ab}	9.67 ^{abcd}	10.33 ^{abc}
	NT ₁	8 ^{ab}	11.33 ^{ab}	11.33 ^{ab}
	NT ₂	9.67 ^a	10.67 ^{abc}	12 ^{ab}
S				
	NT ₀	4.67 ^b	7.67 ^{cd}	9 ^{bc}
	NT ₁	8 ^{ab}	8.33 ^{bcd}	9.33 ^{bc}
	NT ₂	8.33 ^{ab}	10.67 ^{abc}	11.67 ^{ab}
25P				
	NT ₀	5 ^b	9.33 ^{bcd}	9.33 ^{bc}
	NT ₁	7.67 ^{ab}	9.67 ^{abcd}	10 ^{abc}
	NT ₂	7.33 ^{ab}	10 ^{abcd}	11 ^{ab}
35P				
	NT ₀	5.33 ^b	7 ^d	7.67 ^c
	NT ₁	6.67 ^{ab}	10 ^{abcd}	10.33 ^{abc}
	NT ₂	7.67 ^{ab}	12.67 ^a	13 ^a
f-value				
	IR	4.83**	3.92*	2.49ns
	NT	8.66**	18.53***	21.9***
	IR×NT	1.26ns	4.28**	2.26ns

27 According to the Tukey test, different lowercase letters within a column indicate that means are
28 significantly different ($P < 0.05$) among all individual treatments. ns -not significant, * $p < 0.05$,
29 ** $p < 0.01$, and *** $p < 0.001$ in two-way ANOVA.