

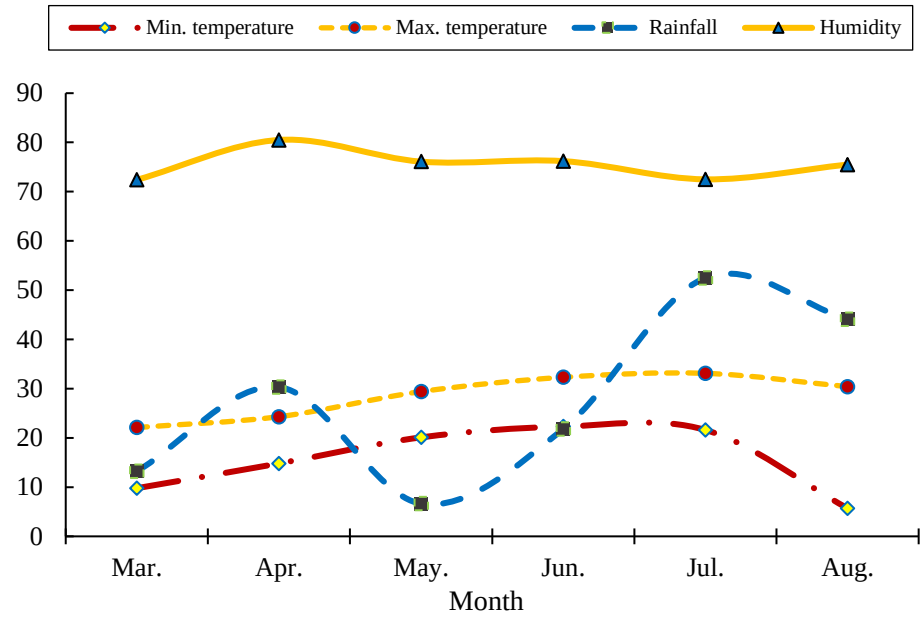


Fig. S1. Information about the mean of monthly maximum and minimum rainfall, temperature and humidity during 2022-2023 to 2023-2024 (from March to August).

Table S1. Analysis of variance for postharvest traits in six varieties of rice subjected to three temperatures (40, 50, and 60 °C) under two irrigation treatments (normal and drought stress conditions) during two years (2023-2024).

S.V	df	M.S					
		Optical DoM	Mass DoM	BRP	MY	CP	DT
Irrigation treatment	1	318.51**	27.76*	1267.6**	124.51**	495.2**	20.62**
Rep (Irrigation treatment)	4	0.25	1.51	34.1	0.44	0.06	0.20
Temperature	2	120.46**	3.80*	121.9*	5.69**	35.97**	107.59**
Irrigation treatment × Temperature	2	2.00*	1.04 ^{ns}	51.3*	0.47*	59.18**	2.07*
Temperatures × Rep (Irrigation treatments)	8	0.75	1.08	27.3	0.09	0.38	0.33
Varieties	5	55.80**	13.06**	1279.8**	79.23**	686.70**	2.84**
Irrigation treatment × Varieties	5	0.46 ^{ns}	1.92 ^{ns}	24.1 ^{ns}	1.15**	33.11**	0.61 ^{ns}
Temperatures × Varieties	10	2.60**	6.02**	74.8**	1.68**	30.66**	7.28**
Irrigation treatment × Temperatures × Varieties	10	1.09*	1.75 ^{ns}	18.4 ^{ns}	0.65**	3.21**	0.49 ^{ns}
Error	60	0.53	1.01	15.9	0.13	0.21	0.49
CV (%)		7.47	7.25	11.8	5.32	4.20	14.7
R-Square (0 - 1)		0.91	0.77	0.90	0.89	0.96	0.92

*: Significant at the 0.05 probability level, **: Significant at the 0.01 probability level, ns: non-significant

CV: coefficient of variation, df: degrees of freedom, M.S; mean square, Rep: replication, S.V: source of variation