

Impact of Different Water Management Regimes on the Growth, Productivity, and Resource Use Efficiency of Dry Direct Seeded Rice in Central Punjab-Pakistan

Supplementary Table S1: Analysis of variance regarding the effect of irrigation regimes and cultivars on yield and yield contributed attributes of direct seeded rice.

Traits	Yield	Panicle (m ⁻²)	Spikelets (panicle)	Grain filling percentage (%)	1000-grain weight (g)	Total dry weight (t ha ⁻¹)	Harvest index
Treatments (T)	**	**	**	**	ns	**	ns
Cultivar (C)	**	**	ns	ns	**	**	ns
Year (Y)	ns	ns	ns	ns	ns	ns	ns
T × C	*	*	**	**	ns	**	ns
C × Y	ns	ns	ns	ns	ns	ns	ns
WR × Y	ns	ns	ns	ns	ns	ns	ns
Y × T × C	ns	ns	ns	ns	ns	ns	ns

T × C, treatment × cultivar; WR, water regimes; Y, year; ns denotes non-significance at P = 0.05; *significance at P < 0.05, **significance at P < 0.01

Supplementary Table S2: Analysis of variance regarding the effect of irrigation regimes and cultivars on chlorophyll and carotenoid content, leaf area index (LAI) and crop growth rate of direct seeded rice.

Traits	Chlorophyll (mg/g FW)	a	Chlorophyll b (mg/g FW)	Carotenoid (mg/g FW)	content	Maximum LAI	Crop growth rate (g /m ² day ⁻¹)
Treatments (T)	**	**	**	**	**	**	**
Cultivar (C)	**	*	**	**	**	**	**
Year (Y)	ns	ns	ns	ns	ns	ns	ns
T × C	*	**	**	**	**	**	**
C × Y	ns	ns	ns	ns	ns	ns	ns
WR × Y	ns	ns	ns	ns	ns	ns	ns
Y × T × C	ns	ns	ns	ns	ns	ns	ns

T × C, treatment × cultivar; WR, water regimes; Y, year; ns denotes non-significance at P = 0.05; *significance at P < 0.05, **significance at P < 0.01.