

Table S1. Morphophysiological traits of two rice cultivars (C) as affected by irrigations (I), salicylic acid rates (SA), and their interaction.

Factors	RL	PH	RV	NL	FLA	SDW	RDW	Chl. A	Chl. B	Carotenoids
	(cm)		(mm ³)		(cm ²)	(g)	(g)	(mg g ⁻¹ FW)	(mg g ⁻¹ FW)	(mg g ⁻¹ FW)
NI×C1×SA0	24.20±0.10a	95.57±0.92a	37.60±0.45a	46.00±1.00a	39.04±0.93a	20.47±0.86a	13.12±0.56a	42.67±1.09a	21.22±1.08a	11.60±0.23g
NI×C1×SA1	25.65±0.20a	96.05±1.56a	38.53±0.58a	50.83±0.93a	39.73±0.21a	22.29±0.21a	14.05±0.40a	43.83±0.73a	23.28±0.51a	13.35±0.46f
NI×C1×SA2	30.13±0.55a	97.17±0.93a	40.70±0.82a	57.33±2.68a	42.12±0.48a	25.51±0.51	17.68±0.07a	46.50±0.76a	26.13±0.14a	15.87±0.31de
NI×C1×SA3	23.55±0.36a	94.33±0.17a	36.92±1.08a	49.67±0.17a	38.57±0.81a	20.98±1.33a	13.30±0.40a	41.17±0.17a	20.68±1.04a	11.250±0.88g
NI×C2×SA0	27.15±0.35a	95.70±1.08a	47.05±0.18a	79.33±3.17a	38.57±0.54a	25.80±0.91a	18.69±1.23a	58.50±1.00a	26.17±0.93a	15.50±0.51e
NI×C2×SA1	27.43±2.26a	94.55±0.75a	47.47±0.16a	80.33±3.59a	38.62±0.78a	26.60±0.15a	18.55±1.01a	58.50±0.01a	32.00±1.00a	20.50±1.00ab
NI×C2×SA2	30.73±0.83a	95.37±0.43a	50.08±0.52a	84.17±1.01a	40.38±0.63a	29.70±0.83a	20.21±0.42a	64.50±0.58a	33.00±0.29a	21.50±0.58a
NI×C2×SA3	26.68±1.29a	94.07±0.99a	46.35±0.15a	78.00±1.26a	38.53±1.14a	24.48±0.24a	18.13±0.71a	55.50±1.00a	31.00±0.01a	19.50±1.00b
DI×C1×SA0	15.05±0.43a	69.69±2.18a	16.15±0.98a	28.67±1.09a	25.73±0.72a	10.69±0.79a	7.26±0.57a	39.29±0.17a	22.89±1.37a	14.69±0.85ef
DI×C1×SA1	16.65±1.03a	72.63±0.99a	17.70±1.33a	30.83±1.42a	30.87±1.06a	11.41±0.21a	8.06±0.19a	43.73±0.62a	24.74±0.65a	17.36±0.30cd
DI×C1×SA2	19.90±0.28a	86.88±0.14a	21.17±0.16a	39.67±1.20a	35.46±1.53a	14.14±0.06a	11.94±0.44a	46.13±0.51a	26.65±0.03a	17.97±0.99cd
DI×C1×SA3	16.00±0.76a	74.05±0.48a	16.35±0.36a	27.67±0.73a	26.45±0.92a	10.35±0.49a	7.09±0.19a	40.66±0.95a	21.53±0.59a	13.33±0.30f
DI×C2×SA0	22.70±1.28a	75.17±0.41a	33.67±0.82a	60.50±2.25a	43.69±1.56a	19.29±0.06a	14.25±0.47a	39.63±0.52a	24.03±1.03a	16.90±0.40d
DI×C2×SA1	23.15±0.60a	77.60±0.80a	35.40±1.42a	69.17±1.45a	44.41±0.42a	20.47±0.73a	14.18±0.33a	42.93±0.92a	25.59±1.09a	17.20±0.49c
DI×C2×SA2	24.43±1.04a	83.82±1.41a	39.73±1.35a	75.33±2.09a	47.80±1.34a	22.28±0.51a	16.61±0.56a	47.58±1.18a	27.12±0.26a	19.12±0.22b
DI×C2×SA3	21.13±0.76a	76.93±1.88a	33.77±0.32a	57.83±3.09a	42.83±1.08a	20.79±1.32a	14.28±0.03a	39.67±1.26a	22.40±1.36a	14.92±0.82f
P-value for I × V × SA	NS	NS	NS	NS	NS	NS	NS	NS	NS	*

*p ≤ 0.05 and NS: indicates the non-significant differences. SA₀, SA₁, SA₂, SA₃ represent 0, 400, 700 and 1000 µM of SA, respectively, RL: root length, PH: plant height, RV: root volume, NL: number of leaves, FLA: flag leaf area, SDW: shoot dry weight, RDW: root dry weight, Chl. A: Chlorophyll A, and Chl. B: Chlorophyll B.

Table S2. Grain yield and its components traits of two rice cultivar (C) as affected by irrigations conditions (I), salicylic acid rates (SA), and their interaction

Factors	NP	HD (day)	PL (cm)	FGP (Panicle ⁻¹)	IGP	PW (g)	100-GW	GY plant ⁻¹	GY (t ha ⁻¹)	WP kg m ⁻³
NI×C1×SA0	17.83±0.17a	94.33±0.73a	21.70±0.31a	108.50±0.58a	8.00±1.61a	2.78±0.04a	2.75±0.01a	46.85±1.00a	11.38±0.58a	0.76±0.36a
NI×C1×SA1	18.00±0.29a	93.17±0.73a	22.32±0.25a	111.50±2.36a	6.17±1.83a	2.89±0.05a	2.79±0.01a	47.92±0.25a	11.65±0.28a	1.12±0.01a
NI×C1×SA2	18.83±0.44a	92.33±0.6a	22.77±0.38a	123.67±1.59a	1.50±0.29a	3.04±0.05a	2.85±0.01a	51.62±1.82a	12.57±0.22a	1.20±0.04a
NI×C1×SA3	17.33±0.67a	92.67±0.44a	22.08±0.04a	103.00±3.01a	12.33±1.69a	2.67±.19a	2.76±0.01a	44.83±1.01a	11.21±0.25a	1.05±0.02a
NI×C2×SA0	22.17±0.83a	95.00±1.50a	22.40±0.63a	175.67±0.93a	8.55±0.48a	4.02±0.20a	2.63±0.02a	46.70±0.06a	11.68±0.01a	1.09±0.01a
NI×C2×SA1	22.50±1.00a	94.33±0.17a	22.92±0.17a	179.67±1.09a	6.97±0.32a	4.08±0.08a	2.65±0.02a	48.02±1.08a	12.00±0.27a	1.12±0.03a
NI×C2×SA2	23.50±0.29a	93.33±0.44a	24.40±0.56a	185.83±2.05a	2.85±0.55a	4.41±0.14a	2.71±0.01a	50.47±0.74a	12.62±0.19a	1.18±0.02a
NI×C2×SA3	21.83±0.33a	94.67±0.17a	22.47±0.49a	166.17±5.17a	11.08±3.01a	4.02±0.20a	2.59±0.01a	46.08±2.31a	11.52±0.58a	1.08±0.05a
DI×C1×SA0	9.00±0.29a	92.00±0.29a	15.58±0.52a	61.16±0.35a	49.00±5.00a	1.50±0.02a	2.36±0.01a	28.06±0.09a	7.02±0.02a	1.56±0.01a
DI×C1×SA1	10.00±0.29a	90.67±0.17a	16.03±0.24a	65.94±0.75a	36.00±1.61a	1.59±0.04a	2.48±0.02a	29.13±1.12a	7.28±0.28a	1.62±0.06a
DI×C1×SA2	11.17±0.17a	90.83±0.88a	18.45±0.58a	75.85±0.52a	26.67±0.60a	1.92±0.12a	2.65±0.03a	34.09±1.56a	8.52±0.39a	1.89±0.09a
DI×C1×SA3	8.60±0.25a	89.67±0.44a	16.01±0.29a	61.16±1.79a	50.83±4.53a	1.53±0.03a	2.45±0.03a	26.62±0.71a	6.65±0.18a	1.48±0.04a
DI×C2×SA0	15.83±0.17a	92.67±0.17a	20.38±0.09a	138.17±4.92a	23.75±2.85a	3.27±0.16a	2.45±0.02a	35.78±1.09aa	8.94±0.27a	1.89±0.14a
DI×C2×SA1	16.17±0.60a	92.33±0.73a	20.95±0.22a	146.00±2.31a	19.63±0.57a	3.50±0.06a	2.48±0.01a	36.42±0.16a	9.10±0.04a	2.02±0.01a
DI×C2×SA2	17.83±0.67a	92.67±0.17a	22.40±0.88a	158.67±6.83a	12.35±1.90a	4.05±0.21a	2.59±0.02a	39.75±0.63a	9.94±0.16a	2.21±0.03a
DI×C2×SA3	15.83±0.83a	93.67±0.67a	20.47±0.12a	135.83±2.59a	21.22±3.64a	3.56±0.12a	2.45±0.04a	35.15±0.74a	8.79±0.18a	1.95±0.04a
P-value										
I × V × SA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

NS indicates a non-significant difference. SA₀, SA₁, SA₂, SA₃ represent 0, 400, 700 and 1000 µM of SA respectively, NP: number of panicle; HD: heading date, PL: panicle length, FGP: fertile grain panicle⁻¹, IGP: infertile grain panicle⁻¹, PW: panicle weight, 100-GW: 100-grain weight, GYP: grain yield plant⁻¹, GYH: grain yield, and WP: water productivity.