

Table 2b Mean performances of 11 rice genotypes based on different morphological traits related to yield grown under control, salt and salt + 2mM GSH conditions (cont'd)

Name of the genotypes	Number of filled grains per panicle			Number of unfilled grains per panicle			Spikelet fertility			100-seed weight			Yield per panicle		
	C	S	S+2mM	C	S	S+2mM	C	S	S+2mM	C	S	S+2mM	C	S	S+2mM
	GSH			GSH			GSH			GSH			GSH		
Binadhan-7	108.50	92.52	103.20	27.54	39.58	29.03	79.72	70.04	78.08	2.31	2.25	2.26	2.45	2.03	2.28
	B-D	a-c	<u>b-d</u>	AB	bc	<u>b</u>	A-C	c	<u>bc</u>	E	cd	<u>e</u>	D	ef	<u>de</u>
Binadhan-8	113.20	102.10	112.00	26.73	35.53	29.22	80.89	74.19	79.33	2.57	2.47	2.46	2.84	2.47	2.70
	AB	a	<u>ab</u>	AB	b-e	<u>b</u>	A-C	a-c	<u>a-c</u>	B	b	<u>bc</u>	BC	ab	<u>bc</u>
Binadhan-10	108.53	89.39	100.70	21.69	34.69	27.60	83.41	71.92	78.50	2.90	2.70	2.72	3.07	2.36	2.68
	D	bc	<u>cd</u>	B	c-e	<u>bc</u>	A	bc	<u>a-c</u>	A	a	<u>a</u>	AB	a-d	<u>bc</u>
BRRRI dhan40	119.20	93.85	117.80	25.28	33.21	29.16	82.50	74.03	80.47	2.58	2.42	2.57	3.00	2.23	2.96
	A	ab	<u>a</u>	B	c-e	<u>b</u>	AB	a-c	<u>a-c</u>	B	b	<u>b</u>	A-C	b-e	<u>a</u>
BRRRI dhan41	117.60	95.27	109.90	32.05	32.58	32.93	78.62	74.66	76.80	2.44	2.26	2.40	2.81	2.11	2.59
	AB	ab	<u>a-c</u>	A	de	<u>b</u>	BC	ab	<u>c</u>	CD	cd	<u>cd</u>	C	de	<u>bc</u>
BRRRI dhan47	111.00	99.55	103.30	27.99	37.38	30.70	80.00	72.60	77.11	2.57	2.42	2.42	2.79	2.36	2.45
	A-C	a	<u>b-d</u>	AB	b-d	<u>b</u>	A-C	a-c	<u>c</u>	B	b	<u>cd</u>	C	a-c	<u>cd</u>
BRRRI dhan53	103.10	82.65	99.70	22.43	29.07	21.43	82.13	74.04	82.32	2.35	2.23	2.23	2.38	1.81	2.18
	CD	c	<u>d</u>	B	e	<u>c</u>	A-C	a-c	<u>a</u>	C-E	d	<u>e</u>	D	f	<u>ef</u>
BRRRI dhan56	115.70	95.25	111.90	32.78	57.72	42.94	77.93	62.34	72.37	2.47	2.35	2.39	2.80	2.19	2.62
	AB	ab	<u>ab</u>	A	a	<u>a</u>	C	d	<u>d</u>	BC	bc	<u>cd</u>	C	c-e	<u>bc</u>
Nona Bokra	120.60	93.81	117.90	24.88	35.77	26.46	82.91	72.43	81.66	2.40	2.24	2.32	2.83	2.06	2.69
	A	ab	<u>a</u>	B	b-e	<u>bc</u>	A	a-c	<u>ab</u>	C-E	cd	<u>de</u>	BC	ef	<u>bc</u>
FL-478	114.30	93.92	103.90	27.22	29.37	28.82	80.75	76.15	78.29	2.80	2.75	2.79	3.12	2.53	2.84
	AB	ab	<u>b-d</u>	AB	e	<u>b</u>	A-C	a	<u>a-c</u>	A	a	<u>a</u>	A	a	<u>ab</u>
IR 29	100.60	70.78	86.78	23.86	41.91	26.78	80.89	62.86	76.42	2.34	2.22	2.31	2.30	1.54	1.96
	D	d	<u>e</u>	B	b	<u>bc</u>	A-C	d	<u>cd</u>	DE	d	<u>de</u>	D	g	<u>f</u>
Max.	120.60	102.10	117.90	32.78	57.72	42.94	83.41	76.15	82.32	2.90	2.75	2.79	3.12	2.53	2.96
Min.	100.60	70.78	86.78	21.69	29.07	21.43	77.93	62.34	72.37	2.31	2.22	2.23	2.30	1.54	1.96
Grand mean		103.29			31.04			76.86			2.45			2.49	
LSD _(0.05)		9.95			6.76			4.21			0.12			0.26	
CV (%)		6.86			15.52			3.90			3.37			7.26	

Note: C=Control, S=Salinity, GSH=Glutathione. Genotypes having different letters are significantly different. For mean separation, capital letters are assigned for genotype's means under control treatment, small letters for means under salinity induced treatment and small underline letters are for means under Salt+2mM GSH treatment.