

Table 1 Comparison of rapeseed germination indicators under different temperatures

Material	Temperature (°C)	Germination potential (%)	Germination rate (%)	Bud length (cm)	Root length (cm)	Weight of 30 plants (g)
Huyou16	20	94.00±2.00	96.67±1.15	8.14±0.37	6.58±0.29	2.51±0.12
	16	96.00±4.00	96.67±3.06	5.29±0.50	4.49±0.28	1.92±0.05
	12	86.00±2.00	93.33±3.06	4.93±0.18	2.88±0.27	1.44±0.11
	8	27.33±5.77	92.67±2.31	1.54±0.19	1.20±0.25	1.00±0.07
Huyou17	20	98.67±2.31	98.67±2.31	9.56±0.53	6.26±0.30	2.38±0.07
	16	100.00±0.00	100.00±0.00	5.80±0.72	4.33±0.18	1.76±0.08
	12	98.00±0.00	100.00±0.00	6.71±0.22	2.82±0.26	1.30±0.01
	8	0.00±0.00	100.00±0.00	3.26±0.37	0.85±0.05	0.87±0.01
Huyou21	20	100.00±0.00	100.00±0.00	10.08±0.91	5.19±0.43	1.94±0.08
	16	100.00±0.00	100.00±0.00	4.69±0.18	3.67±0.21	1.20±0.05
	12	97.33±1.15	98.67±1.15	6.62±0.11	2.35±0.06	0.94±0.01
	8	8.67±2.31	92.67±4.62	2.75±0.30	0.77±0.20	0.63±0.04
Huyou25	20	100.00±0.00	100.00±0.00	9.49±0.69	6.52±0.35	1.83±0.08
	16	100.00±0.00	100.00±0.00	6.51±0.33	4.76±0.46	1.34±0.08
	12	100.00±0.00	100.00±0.00	5.88±0.85	2.70±0.37	0.96±0.06
	8	0.67±1.15	96.67±3.06	1.61±0.33	0.84±0.12	0.62±0.04
Huyou039	20	100.00±0.00	100.00±0.00	10.94±0.20	6.74±0.13	2.22±0.08
	16	100.00±0.00	100.00±0.00	5.95±0.86	4.15±0.32	1.49±0.07
	12	100.00±0.00	100.00±0.00	6.89±0.08	3.12±0.13	1.24±0.01
	8	26.00±5.29	100.00±0.00	1.90±0.10	0.82±0.07	0.77±0.02
Qingza No.4 xuanxi	20	98.67±2.31	100.00±0.00	11.08±0.52	5.41±0.63	1.48±0.09
	16	99.33±1.15	99.33±1.15	6.11±0.96	3.34±0.15	0.98±0.09
	12	98.00±2.00	99.33±1.15	5.90±0.27	2.19±0.15	0.83±0.05
	8	2.00±3.46	100.00±0.00	2.06±0.15	1.01±0.09	0.59±0.02
Huyouzao No.1	20	98.67±2.31	99.33±1.15	7.81±0.34	5.40±0.37	1.77±0.01
	16	99.33±1.15	99.33±1.15	4.96±0.92	3.88±0.33	1.17±0.08
	12	96.00±2.00	100.00±0.00	4.45±0.11	2.69±0.21	0.96±0.03
	8	3.33±3.06	92.00±2.00	2.18±0.26	1.01±0.14	0.66±0.02
Huyoufei No.1	20	96.00±5.29	98.67±1.15	6.92±0.60	4.58±0.43	2.05±0.05
	16	95.33±3.06	98.67±1.15	6.09±0.24	3.66±0.18	1.51±0.01
	12	91.33±4.62	100.00±0.00	4.41±0.16	2.98±0.22	1.20±0.04
	8	8.00±2.00	61.33±3.06	1.55±0.22	1.02±0.18	0.74±0.03
Variety	<i>F</i> -Value	0.67	1.20	3.05	2.83	23.12
	<i>P</i> -Value	NS	NS	*	*	**
Treatment	<i>F</i> -Value	371.05	2.51	100.02	207.46	226.40
	<i>P</i> -Value	**	NS	**	**	**
Variety×Treatment	<i>F</i> -Value	111.79	1.59	32.14	64.22	84.10
	<i>P</i> -Value	**	NS	**	**	**
Coefficient of variation (%)		8.56	6.60	14.44	12.01	7.77

Note: NS means no significant different; \*significantly different between treatments at  $p<0.05$ ; \*\*significantly different between treatments at  $p<0.01$