

Table 3 Effect of seed priming on seed vigour index and speed of germination of cucumber (*Cucumis sativus* cv. Bhaktapur Local) in Syangja, Nepal, 2024

Treatments	Seed vigour index (SVI)		Speed of germination
	SVI-I	SVI-II	BRI
Control	1,828.13 <sup>d</sup>	16,823.33 <sup>d</sup>	0.40 <sup>d</sup>
Hot water (45 °C for 5 minutes)	2,643.83 <sup>a</sup>	22,555.33 <sup>a</sup>	0.46 <sup>bc</sup>
GA <sub>3</sub> 100 ppm	2,202.97 <sup>bcd</sup>	21,026.00 <sup>ab</sup>	0.47 <sup>abc</sup>
GA <sub>3</sub> 200 ppm	2,502.24 <sup>ab</sup>	21,933.33 <sup>ab</sup>	0.46 <sup>bc</sup>
KNO <sub>3</sub> 1%	2,306.23 <sup>abc</sup>	22,006.67 <sup>ab</sup>	0.49 <sup>a</sup>
KNO <sub>3</sub> 3%	2,031.86 <sup>cd</sup>	17,776.00 <sup>cd</sup>	0.48 <sup>abc</sup>
Cow urine 5%	2,044.51 <sup>cd</sup>	19,702.67 <sup>bc</sup>	0.47 <sup>abc</sup>
Cow urine 10%	2,167.02 <sup>bcd</sup>	20,877.33 <sup>ab</sup>	0.47 <sup>abc</sup>
Vermiwash 10%	1,966.06 <sup>cd</sup>	17,946.00 <sup>cd</sup>	0.48 <sup>ab</sup>
Vermiwash 20%	2,106.60 <sup>cd</sup>	19,580.67 <sup>bc</sup>	0.45 <sup>c</sup>
CV (%)	9.40	6.41	0.46
LSD <sub>0.05</sub>	349.07	2,188.86	0.02
Grand mean	2,179.94	20,022.73	0.46
SEm (±)	118.30	741.98	0.00
F-test	**	***	***

Note: Mean within the column followed by the same letter/s are not significantly different at 5% level of significance by DMRT. \* Significant at 5% ( $p < 0.05$ ), \*\* Significant at 1% ( $p < 0.01$ ), \*\*\* Significant at 0.1% ( $p < 0.001$ ), NS= non-significant at 5% ( $p > 0.05$ ), SEm= Standard Error of mean, LSD= Least significant difference, CV= Coefficient of variance, SVI-I= Seed vigour index-I, SVI-II= Seed vigour index-II and BRI= Speed of germination