

Table 2 Formulas related to the variables related to seed germination used in this research

Germination and seedling growth parameters	Variable	Formula	References
SGP	Germination percentage	$GP = N/N_t \times 100$	(Rezaei and Yarnia, 2009)
GRI	Germination Rate	$GRI = \sum_{i=1}^d Ni/Di$	(Ranal and De Santana, 2006)
MGT	Mean Germination Time	$MGT = \sum(nD) / \sum n$	(Tompsett and Pritchard, 1998)
SVI	Seedling Vigor Index	$SVI = (SL+RL)/2 \times G$	(Vashisth and Nagarajan, 2010)
AC	Allometric Coefficient	$AC = RL/SL$	(Ranal and De Santana, 2006)
SoG	Speed of Germination	$SoG = N1/D1 + N2/D2 + N3/D3$	(Gairola et al., 2011)
SGE	Germination energy	$GE = N/N_t$	(Rezaei and Yarnia, 2009)

Note: N (The number of germinated seeds), N_t (Number of seeds used), D (The number of days after germination), RL (Root length), SL (Shoot length), G (Ultimate germination), n (nth day), SGP (Seed germination percentage), SGE (Seed germination energy), GRI (Germination rate index), MGT (Mean germination time), SVI (Seedling vigor index), SoG (Speed of germination) and AC (Allometric coefficient)