

Table 1 Effect of growth media mixtures with capsicum varieties on germination percentage (%), germination rate index and seedling vigor index

Variety	Germination percentage				Germination rate index	Vigor index
	12 DAS	18 DAS	24 DAS	30 DAS		
V1	28 ^a	70.66 ^a	82.86 ^a	83.86 ^a	61.12 ^a	682.07 ^a
V2	33 ^a	66.33 ^a	80.53 ^a	80.86 ^a	59.48 ^a	704.50 ^a
SEM (±)	1.75	2.31	2.22	2.04	1.58	59.4
LSD _{0.05}	5.16	6.81	6.56	6.02	4.66	175.4
F value	3.962	1.870	0.563	1.086	0.562	0.065
Pr(>F)	*	NS	NS	NS	NS	NS
Treatment						
M1	24.16 ^{cd}	52.50 ^d	68.83 ^b	70.50 ^b	50.02 ^a	437.78 ^b
M2	35.00 ^{ab}	61.66 ^{cd}	81.00 ^a	81.00 ^a	59.04 ^b	697.17 ^{ab}
M3	20.00 ^d	70.00 ^{bc}	83.66 ^a	83.66 ^a	60.18 ^{ab}	661.29 ^{ab}
M4	43.33 ^a	75.83 ^{ab}	90.00 ^a	90.83 ^a	67.70 ^a	720.13 ^{ab}
M5	30.00 ^{bc}	82.50 ^a	85.00 ^a	85.83 ^a	64.60 ^{ab}	950.05 ^a
SEM (±)	2.76	3.65	3.52	3.23	2.50	94.0
LSD _{0.05}	8.15	10.77	10.37	9.52	7.36	277.3
F value	10.63	11.05	5.17	5.50	7.554	3.448
Pr(>F)	***	***	**	**	***	*
Interaction						
V1.M1	25.00 ^{cd}	60.00 ^c	74.66 ^{bc}	76.33 ^{bc}	54.62 ^{bc}	398.38 ^c
V1.M2	30.00 ^{bcd}	61.66 ^c	79.33 ^{ab}	79.33 ^{ab}	57.54 ^{ab}	749.48 ^{abc}
V1.M3	18.33 ^d	73.33 ^{abc}	87.00 ^{ab}	87.00 ^{ab}	62.38 ^{ab}	562.60 ^{bc}
V1.M4	38.33 ^{ab}	78.33 ^{ab}	91.66 ^a	93.33 ^a	68.70 ^a	933.63 ^{ab}
V1.M5	28.33 ^{bcd}	80.00 ^{ab}	81.66 ^{ab}	83.33 ^{ab}	62.40 ^{ab}	766.26 ^{abc}
V2.M1	23.33 ^{cd}	45.00 ^d	63.00 ^c	64.66 ^c	45.42 ^c	477.18 ^{bc}
V2.M2	40.00 ^{ab}	61.66 ^c	82.66 ^{ab}	82.66 ^{ab}	60.54 ^{ab}	644.86 ^{bc}
V2.M3	21.66 ^{cd}	66.66 ^{bc}	80.33 ^{ab}	80.33 ^{ab}	57.98 ^{ab}	759.98 ^{abc}
V2.M4	48.33 ^a	73.33 ^{abc}	88.33 ^{ab}	88.33 ^{ab}	66.70 ^a	506.63 ^{bc}
V2.M5	31.66 ^{bc}	85.00 ^a	88.33 ^{ab}	88.33 ^{ab}	66.80 ^a	1133.83 ^a
Grand mean	30.5	68.5	81.7	82.4	60.3	693.2
CV (%)	22.55	12.66	10.41	9.56	9.92	24.69
SEM (±)	3.91	5.16	4.97	4.56	3.53	132.9
LSD _{0.05}	11.53	15.23	14.67	13.46	10.41	392.1
F value	0.792	1.123	1.139	1.187	1.285	2.405
Pr(>F)	NS	NS	NS	NS	NS	*

Note: *Significant at 5% level of significance, **Significant at 1% level of significance, ***Significant at 0.1% level of significance, NS: Non-significant, LSD: Least significant difference, SEM: Standard error of the mean, CV: Coefficient of difference, Where M represents growing media and V represents varieties, different lowercase letters represent mean comparison