

Table 4 Meteorological and agro-climatic conditions of the tested locations

Zone	State	Location (code)	Longitude	Latitude	Altitude (m)	Soil type	Temperature °C (Min- Max), during growing period	% Humidity (Min- Max), during growing period
CZ	RAJASTHAN	KOTA (L1)	75 °50'E	25 °80'N	279	Clay loam	10-42	19-74
	MADHYA PRADESH	SAGAR (L2)	78 °71'E	23 °83'N	587	Black soil	11-37	25-49
	MADHYA PRADESH	INDORE (L3)	75 °50'E	22 °43'N	537	Medium black soil	8-38	23-54
NEPZ	BIHAR	SABOUR (L4)	74 °06'E	32 °80'N	60	Sandy soil	15-34	38-95
	UTTAR PRADESH	KANPUR (L5)	80 °33'E	26 °46'N	123	Moderately saline and sodic	7-38	45-71
	JHARKHAND	RANCHI (L6)	85 °33'E	23 °35'N	644	Red gravelly and sandy	9-35	36-63
NWPZ	PUNJAB	LUDHIANA (L7)	75 °85'E	30 °88'N	239	Sandy Loam	2-30	44-74
	DELHI	DELHI (L8)	77 °23'E	28 °60'N	212	Peaty and Marshy	7-36	26-90
	PUNJAB	GURDASPUR(L9)	75 °25'E	31 °91'N	237	Reddish loamy	19-44	40-76
PZ	MAHARASHTRA	NIPHAD (L10)	73 °80'E	20 °08'N	560	Black soil	10-33	36-60
	KARNATAKA	DHARWAD (L11)	75 °08'E	15 °35'N	660	Red sandy, Sandy loam	15-36	55-75
	MAHARASHTRA	PUNE (L12)	73 °85'E	18 °52'N	552	Lateritic Soil	11-36	36-58

Where, CZ= Central zone; NEPZ= North eastern plain zone; NWPZ= North western plain zone; PZ=Peninsular zone