

Supplementary material

Table 1a. Physico-Chemical properties of soil

a) Mechanical composition of the soil:	Sandy loam in nature		
b) Particle size distribution:	Sand 52 %, Silt 31.2 %, Clay 16.8 %	Method used	International Pipette Method (Piper,1950)
c) Chemical properties of the soil:	Particular	Value	Method used
	1. Soil pH	6.2	Beckman's pH meter, 1:2.5, soil : water Suspension (Jackson, 1967)
	2. Organic carbon %	0.346	Walkley Black Method (1934)
	3. Total nitrogen %	0.0421	Modified Kjeldahl's Method (Jackson,1967)
	4. Available Phosphorus (kg ha-1)	23.69	Olsen's Method (Jackson, 1967)
	5. Available Potassium (kg ha-1)	86.48	Flame Photometric Method (Jackson,1967)

Source: Meteorological Research Station, AICRP on Agro meteorology (ICAR), BCKV, Kalyani, Nadia, West Bengal, India.

Table 1b. Monthwise Climatic Condition

Month/Year	Temperature (°C)		Rainfall (mm)	Humidity (%)	
	Max.	Min.		Morning	Afternoon
Jan '11	27.5	13.6	3.78 (31)	94.77	43.74
Feb '11	32.9	18.0	2.77 (28)	93.25	36.10
March '11	35.2	23.8	15.62 (31)	89.64	41.80
April '11	35.8	25.5	17.35 (30)	90.50	47.20
May '11	36.4	16.7	21.96 (31)	90.93	58.54
June '11	35.2	27.3	61.66 (30)	93.06	68.63
July '11	33.9	27.2	52.08 (31)	94.06	68.64
Aug '11	33.0	26.6	129.36 (31)	96.87	74.38
Sept '11	33.4	26.8	59.66 (30)	96.30	70.30
Oct '11	33.6	24.6	13.66 (31)	92.87	54.16
Nov '11	31.1	18.9	2.00 (30)	92.70	50.13
Dec '11	27.0	15.7	0.00 (31)	91.41	53.67
Jan '12	26.2	15.4	11.40 (31)	86.61	54.54
Feb '12	31.1	17.6	2.32 (29)	84.06	37.03
March '12	35.5	22.2	3.44 (31)	68.87	22.74
April '12	37.5	25.7	5.04 (30)	63.96	29.80
May '12	37.6	28.2	20.4 (31)	66.93	36.22
June '12	37.6	29.3	14.8 (30)	72.43	45.53
July '12	33.5	27.5	45.78 (31)	70.38	54.93
Aug '12	33.5	27.1	30.46 (31)	71.45	48.93
Sept '12	34.2	27.0	40.68 (30)	64.46	41.80
Oct '12	34.4	23.1	9.76 (31)	74.93	43.45
Nov '12	30.9	18.9	8.48 (30)	68.03	31.00
Dec '12	26.4	14.0	3.65 (31)	60.33	34.43

Source: Meteorological Research Station, AICRP on Agro meteorology (ICAR), BCKV, Kalyani, Nadia, West Bengal, India.