

Supplementary material 1

Monthly climate data for the peanut growing seasons at the Dokki experimental site.

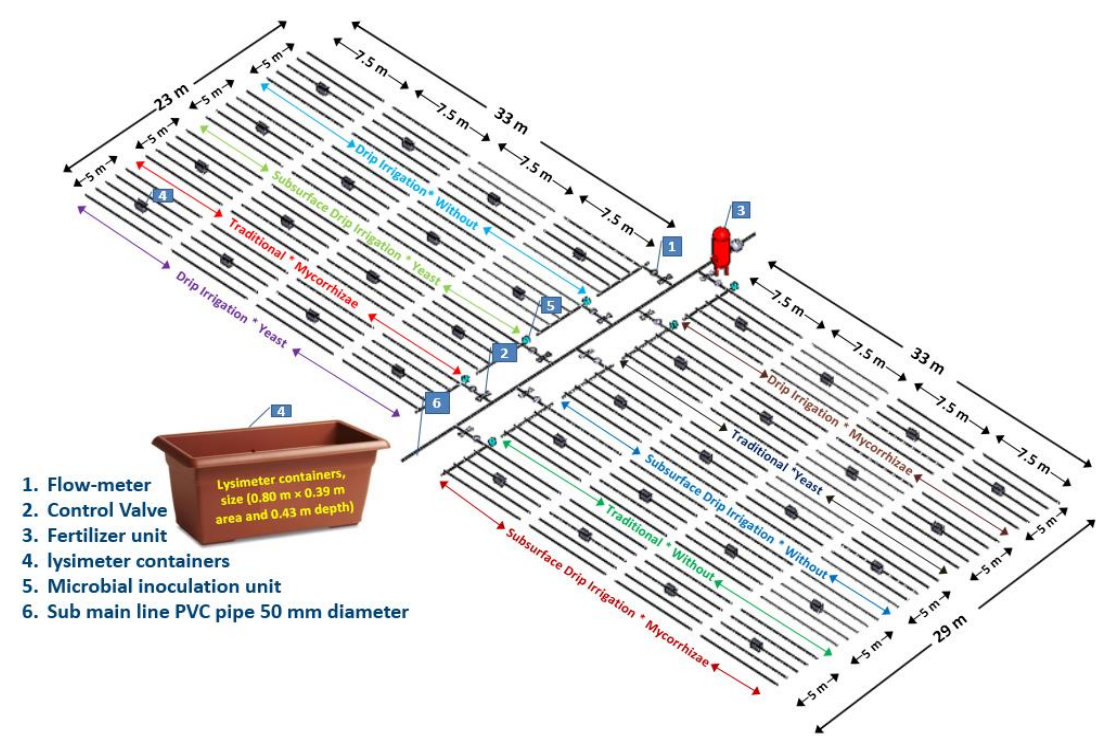
Parameters		April	May	June	July	August	September
Temp. C°	Max	29.9	35.2	35.1	37.0	37.4	34.3
	Min	15.0	21.1	22.5	25.1	25.5	23.4
RH_AVG %		46.6	41.5	49.7	52.2	54.4	54.9
Wind speed (m/sec)		0.92	0.88	1.01	0.96	0.84	0.86
Radiation W/m ²		221	225	253	232	211	164
Et ₀ mm day ⁻¹		4.0	4.6	5.2	5.1	4.6	3.6

Source: Ground weather stations, The Central Laboratory for Agricultural Climate, Agricultural Research Center, Egypt.

Supplementary material 2

Physical and chemical properties of the soil at the Dokki experimental site before cultivation.

Soil depth	Texture	Sand (%)	Silt (%)	Clay (%)	Bulk density (gm cm ⁻³)	EC 1:5 (dS m ⁻¹)	pH (1:2.5)	Total CaCO ₃ (%)
00-40	Sandy	91.2	5.0	3.8	1.3	0.71	7.3	2.5



Supplementary material 3

The experimental layout with lysimeter containers distribution, drip irrigation system component, fertilizer unit and the distribution of treatments with replicates of peanut crop at Dokki side.