Supporting Information

Seaweed extract improved yields, leaf photosynthesis, ripening time and net returns of tomato (*Solanum lycopersicum* Mill.)

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RESULTS AND DISCUSSION

Chemical structure and composition of SES

Table S1. Integration area of ^{1}H NMR spectra from SES.

$\delta(^{1}H)$ [ppm]	0.5-1.9	1.9-3.1	3.1-4.9	5.1-6.5	6.5-9.5
SES	10.63	7.08	57.87	9.31	15.11

MATERIALS AND METHODS

Experimental sites and materials

Figure S1. Photos of greenhouse and the plot

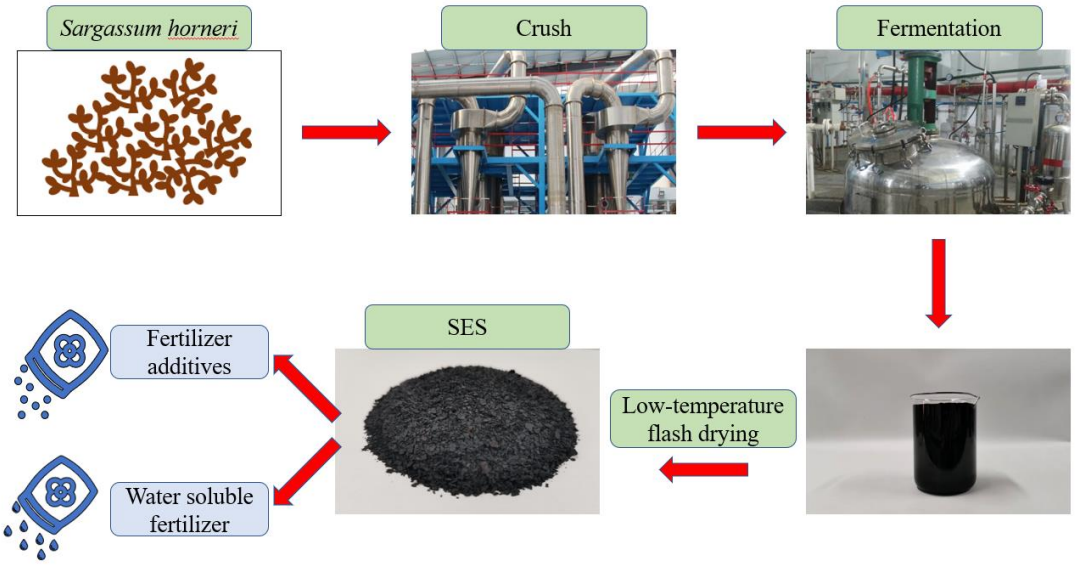

Figure S2. Production process of SES

Experimental design

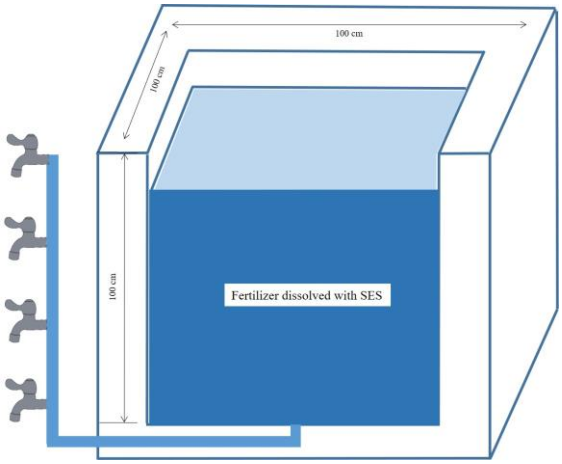

Figure S3. Schematic diagram of irrigation system