

Table S1. Monthly production rate of lettuce and monthly consumption rates of electricity, labor (work hours), water, and CO₂.

Month	Monthly production rate (t)	Monthly consumption rate			
		Electricity (GJ)	Work hours (h)	Water (t)	CO ₂ (t)
1	4.86	428	1460	134	0.54
2	5.29	498	1360	150	1.08
3	6.45	552	1630	169	1.08
4	7.46	552	1970	158	1.08
5	6.72	537	1870	169	1.08
6	8.70	674	1840	192	1.08
7	9.88	745	1930	230	1.08
8	9.40	711	1980	226	1.62
9	10.61	699	2010	235	1.62
10	11.22	654	1920	249	1.62
11	12.82	717	1840	316	2.70
12	13.98	840	1950	327	2.70
13	12.86	979	2290	294	2.16
14	13.45	853	2190	319	2.16
15	13.09	934	2210	311	1.62
16	12.67	1050	2120	349	2.16
17	12.44	939	2250	295	1.62
18	13.55	1080	2340	353	2.16
19	16.34	1040	2470	369	2.70
20	14.58	880	2610	343	2.70
21	16.40	980	2550	391	2.70
22	14.22	819	2500	353	3.24
23	15.09	870	2450	344	3.24
24	13.29	793	2490	394	2.70

Table S2. Monthly consumption rates of electricity, labor (work hours), water, and CO₂ per fresh weight of marketable lettuce head. For the monthly production rate of marketable lettuce head, see supplemental table 1.

Month	Monthly consumption rate per fresh weight of marketable lettuce head			
	Electricity (MJ kg ⁻¹)	Work hours (min kg ⁻¹)	Water (L kg ⁻¹)	CO ₂ (kg kg ⁻¹)
1	88	18.04	27.596	0.111
2	94	15.47	28.365	0.204
3	86	15.20	26.187	0.167
4	74	15.85	21.169	0.145
5	80	16.72	25.157	0.161
6	77	12.72	22.071	0.124
7	75	11.73	23.287	0.109
8	76	12.62	24.047	0.172
9	66	11.35	22.159	0.153
10	58	10.28	22.185	0.144
11	56	8.63	24.639	0.211
12	60	8.38	23.393	0.193
13	76	10.70	22.861	0.168
14	63	9.77	23.725	0.161
15	71	10.15	23.767	0.124
16	83	10.04	27.543	0.170
17	76	10.84	23.720	0.130
18	80	10.36	26.043	0.159
19	64	9.07	22.576	0.165
20	60	10.74	23.525	0.185
21	60	9.33	23.836	0.165
22	58	10.53	24.820	0.228
23	58	9.75	22.803	0.215
24	60	11.23	29.650	0.203

Table S3. Utilization efficiencies of electricity, energy (electricity + labor), water, and CO₂.

Month	Utilization efficiency			
	Electricity (%)	Energy (%)	Water (%)	CO ₂ (%)
1	0.793	0.787	3.50	46.3
2	0.743	0.738	3.40	25.2
3	0.819	0.813	3.69	30.6
4	0.946	0.938	4.56	35.6
5	0.875	0.868	3.84	32.0
6	0.904	0.898	4.37	41.6
7	0.928	0.923	4.14	47.1
8	0.925	0.919	4.01	29.9
9	1.06	1.06	4.36	33.7
10	1.20	1.19	4.35	35.7
11	1.25	1.25	3.91	24.4
12	1.17	1.16	4.13	26.6
13	0.920	0.915	4.22	30.6
14	1.10	1.10	4.07	32.0
15	0.981	0.976	4.06	41.6
16	0.843	0.839	3.50	30.2
17	0.927	0.922	4.07	39.5
18	0.875	0.871	3.71	32.3
19	1.10	1.09	4.27	31.2
20	1.16	1.15	4.10	27.8
21	1.17	1.17	4.05	31.3
22	1.22	1.21	3.89	22.6
23	1.21	1.21	4.23	24.0
24	1.17	1.17	3.26	25.3