Table S1. Minimum, average, and maximum temperature (ºC) and rainfall (mm) during the experiment in Londrina, Paraná, Brazil.

Date	MinT(ºC)	AveT(ºC)	MaxT(ºC)	Rainfall (mm)
April 29, 2021	13.0	20.5	28.0	0.0
April 28, 2021	12.0	20.0	28.0	0.0
April 27, 2021	15.0	21.5	28.0	0.0
April 26, 2021	15.0	21.0	27.0	0.4
April 25, 2021	16.0	21.0	26.0	0.7
April 24, 2021	15.0	21.5	28.0	0.5
April 23, 2021	13.0	20.0	27.0	0.0
April 22, 2021	14.0	21.0	28.0	0.0
April 21, 2021	13.0	20.5	28.0	0.0
April 20, 2021	14.0	21.0	28.0	0.0
April 19, 2021	15.0	21.5	28.0	0.0
April 18, 2021	15.0	22.5	30.0	0.0
April 17, 2021	16.0	23.0	30.0	2.1
April 16, 2021	16.0	24.0	32.0	0.3
April 15, 2021	23.0	26.0	29.0	0.5
April 14, 2021	15.0	22.0	29.0	0.0
April 13, 2021	19.0	24.0	29.0	0.0
April 12, 2021	18.0	26.0	34.0	0.0
April 11, 2021	16.0	24.0	32.0	0.0
April 10, 2021	16.0	23.5	31.0	0.0
April 9, 2021	17.0	24.0	31.0	0.0
April 8, 2021	17.0	23.5	30.0	0.0
April 7, 2021	17.0	23.0	29.0	0.0
April 6, 2021	17.0	22.0	27.0	0.0
April 5, 2021	16.0	23.0	30.0	0.3
April 4, 2021	15.0	22.0	29.0	0.0
April 3, 2021	15.0	22.0	29.0	0.0
April 2, 2021	14.0	21.5	29.0	0.0
April 1, 2021	13.0	20.0	27.0	0.0

MinT: minimum temperature; AveT: average temperature; maximum temperature. **Source**: Instituto Nacional de Meteorologia (INMET).

Table S2. Minimum, average, and maximum temperature (ºC) and rainfall (mm) during the experiment in Bandeirantes, Paraná, Brazil.

Date	MinT(ºC)	AveT(ºC)	MaxT(ºC)	Rainfall (mm)
July 5, 2021	11.38	18.08	24.77	0.0
July 4, 2021	10.45	17.26	24.06	0.0
July 3, 2021	9.97	18.18	26.39	0.0
July 2, 2021	8.65	16.87	25.09	0.0
July 1, 2021	5.18	12.98	20.77	0.0
June 30, 2021	2.1	9.58	17.05	0.7
June 29, 2021	3.94	7.94	11.94	0.4
June 28, 2021	14.16	17.33	20.49	0.2
June 27, 2021	16.84	22.88	28.93	0.0
June 26, 2021	16.52	22.22	27.91	0.0
June 25, 2021	15.69	21.32	26.95	0.0
June 24, 2021	12.02	18.26	24.5	0.0

June 23, 2021	13.72	18.18	22.64	0.0
June 22, 2021	14.22	18.54	22.86	2.2
June 21, 2021	11.72	16.13	20.53	0.0
June 20, 2021	12.48	17.26	22.04	0.0
June 19, 2021	13.82	16.23	18.63	0.1
June 18, 2021	13.45	16.43	19.41	0.0
June 17, 2021	11.09	16.81	22.54	0.0
June 16, 2021	10.58	16.42	22.26	0.0
June 15, 2021	10.25	17.56	24.87	0.0
June 14, 2021	10.51	17.28	24.05	0.0
June 13, 2021	10.74	16.81	22.87	0.0
June 12, 2021	11.36	17.3	23.23	3.3
June 11, 2021	15.82	19.79	23.75	18.6
June 10, 2021	16.23	18.02	19.81	22.0
June 9, 2021	14.47	18.54	22.6	4.4
June 8, 2021	15.61	18.23	20.84	32.4
June 7, 2021	15.39	18.06	20.73	33.6

MinT: minimum temperature; AveT: average temperature; maximum temperature. **Source**: Agritempo (AGRITEMPO).

Table S3. Mean values of total phenolic compounds (absorbance at 517 nm) in arugula subjected to doses of cow urine (with or without) and bokashi (0, 10, 20, and 30 g per group of 10 plants) in experiment carried out in area 1, Londrina, Paraná, Brazil.

Cow urine	**Bokashi doses (g)^{ns}**			
	0	**10**	**20**	**30**
With	0.418	0.396	0.501	0.450
Without	0.430	0.409	0.456	0.413

ns: non-significant ($p>0.05$).

Table S4. Mean values of antioxidant activity percentage, evaluated using DPPH (2,2′-diphenyl-1-picrylhydrazyl) method in arugula subjected or not to cow urine (1 %) in experiment carried out in area 1, Londrina, Paraná, Brazil. Data shown in percentage of antioxidant.

Cow urine	**Percentage of antioxidant activity^{ns}**
With	0.639
Without	0.640

ns: non-significant ($p>0.05$).

Table S5. Mean values of antioxidant activity percentage, evaluated using DPPH (2,2′-diphenyl-1-picrylhydrazyl) method in arugula subjected to doses bokashi (0, 10, 20, and 30 g per group of 10 plants) in experiment carried out in area 2, Bandeirantes, Paraná, Brazil. Data shown in percentage of antioxidant.

Cow urine	**Bokashi doses (g)^{ns}**			
	0	**10**	**20**	**30**
With	0.59	0.62	0.63	0.64
Without	0.59	0.59	0.61	0.62

Figure S1. Illustration of cities in which experiments were performed. Red: Londrina, Paraná, Brazil; Green: Bandeirantes. The cities are located in Parana state. The smaller map represents Brazil country, with Parana state in yellow. **Source**: mapchart.net.