

**Table S1.** Effect of treatments on macronutrient concentration in lettuce plants.

Treatments	N	P	S	K	Ca	Mg
Control	65.94±1.18b	9.72±0.26	2.92±0.06	37.21±0.20	11.54±0.31c	7.39±0.25
Green Leaves 3 mL L <sup>-1</sup>	66.00±0.44b	9.91±0.07	2.76±0.02	37.86±0.04	12.36±0.35b	7.46±0.06
Green Leaves 5 mL L <sup>-1</sup>	75.75±3.08a	9.85±0.03	2.76±0.01	37.57±0.01	16.29±0.38a	7.87±0.03
<i>p</i> -value	*	NS	NS	NS	***	NS

Values are expressed as mg g<sup>-1</sup> DW. Values are means ± standard deviation. The level of significance was represented as non-significant (NS) ( $p > 0.05$ ) and \*\*\* ( $p < 0.001$ ). Values with different letters indicate significant differences.

**Table S2.** Effect of treatments on micronutrient concentration in lettuce plants.

Treatments	Fe	Cu	Zn	Mn	Mo	B
Control	79.03±21.02c	14.71±0.33	44.45±1.21	150.45±4.95	0.44±0.01	30.49±1.55
Green Leaves 3 mL L <sup>-1</sup>	89.11±2.23b	13.11±0.14	45.09±1.35	147.06±1.45	0.44±0.01	32.28±0.45
Green Leaves 5 mL L <sup>-1</sup>	94.42±3.05a	14.98±0.03	45.67±1.92	150.68±2.69	0.43±0.01	31.03±0.27
<i>p</i> -value	***	NS	NS	NS	NS	NS

Values are expressed as µg g<sup>-1</sup> DW. Values are means ± standard deviation. The level of significance was represented as non-significant (NS) ( $p > 0.05$ ) and \*\*\* ( $p < 0.001$ ). Values with different letters indicate significant differences.

**Table S3.** Effect of treatments on macronutrient efficiency parameters in lettuce plants.

	<b>N</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.025±0.001c	–
Green Leaves 3 mL L <sup>-1</sup>	0.06±0.43b	0.037±0.001a	0.77±0.05a
Green Leaves 5 mL L <sup>-1</sup>	9.71±3.06a	0.031±0.002b	0.60±0.04b
<i>p</i> -value	***	***	**
	<b>P</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.17±0.01b	–
Green Leaves 3 mL L <sup>-1</sup>	0.33±0.13	0.25±0.01a	1.40±0.09a
Green Leaves 5 mL L <sup>-1</sup>	0.24±0.06	0.23±0.01a	1.09±0.08b
<i>p</i> -value	NS	**	***
	<b>S</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.56±0.04c	–
Green Leaves 3 mL L <sup>-1</sup>	-0.29±0.04	0.89±0.02a	1.35±0.08a
Green Leaves 5 mL L <sup>-1</sup>	-0.29±0.02	0.83±0.02b	1.05±0.08b
<i>p</i> -value	NS	***	**
	<b>K</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.05±0.00b	–
Green Leaves 3 mL L <sup>-1</sup>	0.46±0.03a	0.07±0.00a	0.56±0.03a
Green Leaves 5 mL L <sup>-1</sup>	0.25±0.01b	0.06±0.00b	0.43±0.03b
<i>p</i> -value	**	*	***
	<b>Ca</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.15±0.01b	–
Green Leaves 3 mL L <sup>-1</sup>	1.14±0.49b	0.20±0.01a	1.08±0.07a
Green Leaves 5 mL L <sup>-1</sup>	6.59±0.53a	0.14±0.00b	0.84±0.06b
<i>p</i> -value	***	*	**
	<b>Mg</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.23±0.02c	–
Green Leaves 3 mL L <sup>-1</sup>	0.14±0.14b	0.33±0.01a	1.79±0.11a
Green Leaves 5 mL L <sup>-1</sup>	1.07±0.08a	0.29±0.01b	1.39±0.10b
<i>p</i> -value	**	***	**

Apparent recovery efficiency of applied nutrient (RE), internal utilization efficiency of the nutrient (IE), and agronomic efficiency of nutrient applied (AE). Values are means ± standard deviation. The level of significance was represented as non-significant (NS) ( $p > 0.05$ ), \* ( $p < 0.05$ ), \*\* ( $p < 0.01$ ), and \*\*\* ( $p < 0.001$ ). Values with different letters indicate significant differences.

**Table S4.** Effect of treatments on micronutrient efficiency parameters in lettuce plants.

	<b>Fe</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.021±0.001c	–
Green Leaves 3 mL L <sup>-1</sup>	165.99±32.36b	0.028±0.001a	12.41±0.76a
Green Leaves 5 mL L <sup>-1</sup>	228.55±45.07a	0.025±0.001b	9.63±0.70b
<i>p</i> -value	***	***	***
	<b>Cu</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.11±0.01c	–
Green Leaves 3 mL L <sup>-1</sup>	-11404±987b	0.19±0.00a	5583±344a
Green Leaves 5 mL L <sup>-1</sup>	1989±182a	0.15±0.00b	4333±314b
<i>p</i> -value	***	***	***
	<b>Zn</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.038±0.002c	–
Green Leaves 3 mL L <sup>-1</sup>	1984±236a	0.055±0.001a	1325±82a
Green Leaves 5 mL L <sup>-1</sup>	1121±196b	0.051±0.001b	1028±74b
<i>p</i> -value	***	***	***
	<b>Mn</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.011±0.001c	–
Green Leaves 3 mL L <sup>-1</sup>	-2615±1280b	0.017±0.000a	789±49a
Green Leaves 5 mL L <sup>-1</sup>	186.17±1678a	0.015±0.000b	613±44b
<i>p</i> -value	**	**	***
	<b>Mo</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	3.83±0.17b	–
Green Leaves 3 mL L <sup>-1</sup>	-42.34±87.58	5.65±0.14a	9089±559a
Green Leaves 5 mL L <sup>-1</sup>	-122.15±82.74	5.33±0.14a	7054±511b
<i>p</i> -value	NS	*	***
	<b>B</b>		
	<b>RE</b>	<b>IE</b>	<b>AE</b>
Control	–	0.057±0.004c	–
Green Leaves 3 mL L <sup>-1</sup>	373.73±81.99a	0.078±0.001a	159.52±9.82a
Green Leaves 5 mL L <sup>-1</sup>	263.35±43.28b	0.074±0.001b	123.81±8.97b
<i>p</i> -value	**	**	***

Apparent recovery efficiency of applied nutrient (RE), internal utilization efficiency of the nutrient (IE), and agronomic efficiency of nutrient applied (AE). Values are means ± standard deviation. The level of significance was represented as non-significant (NS) ( $p > 0.05$ ), \* ( $p < 0.05$ ), \*\* ( $p < 0.01$ ), and \*\*\* ( $p < 0.001$ ). Values with different letters indicate significant differences.