

Supplementary File

Table 1. Characteristics and composition of the substrate components employed in the germination and development of lettuce seedlings and of the soil used for the cultivation of mature lettuce plants

Commercial substrate [†] used for the production of lettuce seedlings (Bioplant Gold)										
pH	Electrical conductivity (mS cm ⁻¹)					Composition				
5.5 - 6.0	1.0 - 1.2					<i>Pinus</i> bark, aggregating agents, vermiculite, NPK and micronutrients				
Spent mushroom substrate [‡] used for the production of lettuce seedlings										
pH	P	K	Ca ⁺²	Mg ⁺²	Zn	Mn	B	Fe	Cu	
	-----g/kg-----				-----mg/kg-----					
5.8	5.1	14.8	25.3	1.9	45.3	115.3	5.2	1290	8.3	
Soil used for the cultivation of mature lettuce plants										
pH	P	K	Ca ⁺²	Mg ⁺²	Al ⁺³	H + Al ⁺³	CEC [§]	M [§]	V [§]	OM [§]
	-----mg/L-----							-----%-----		
5.2	15	92	3,800	1,200	200	4,000	7,200	0.2	44.8	3.7
	Zn	Mn	B	Fe	Cu					
	-----mg/L-----									
	13.2	27.3	0.4	37.4	2,500					

[†] Bioplant® (Bioplant Agricola Ltda, Nova Ponte, MG, Brazil);

[‡] From cultivation of *Agaricus subrufescens*;

[§]CEC, Cation exchanged capacity; M, percentage of Al saturation; V, percentage of base saturation; OM, Organic matter.

Table 2. Proportions of components employed in the preparation of substrates employed in the germination and development of lettuce seedlings

Substrate	Proportion (%)	
	Mushroom spent compost [†]	Commercial substrate [‡]
S1	0	100
S2	15	85
S3	30	70
S4	45	55
S5	60	40
S6	75	25

[†] From cultivation of *Agaricus subrufescens*;

[‡] Bioplant® (Bioplant Agricola Ltda, Nova Ponte, MG, Brazil).

Table 3. Summary of the analysis of variance of variables relating to lettuce seedlings as a function of the amount of spent mushroom compost present in the substrate on which they were produced

Source of variation	Degrees of freedom	Number of leaves	Height of aerial part	Fresh mass of aerial part	Dry mass of aerial part
Substrates	5	0.049	0.958	0.0493*	0.00027*
Error	8	0.083	1.361	0.0150	0.00008
Coefficient of variance (%)		11.88	11.88	15.25	11.89
Means		2.433	9.825	0.805	0.075

* Statistically significant according to *F* test at 5% probability.

Table 4. Summary of the analysis of variance of variables relating to marketable crisphead lettuce heads as a function of the amount of spent mushroom compost present in the substrate on which the seedlings were produced

Sources of variation	Degrees of freedom	Head circumference	Height of stem	Fresh mass of head	Dry mass of head
Substrates	5	47.983	0.671	2170.766*	17.919*
Blocks	3	333.583*	2.859	7378.277	2.788
Error	15	59.158	1.205	543.01	3.6
Coefficient of variance (%)		7.92	18.73	10.87	11.74
Means		97.078	5.863	214.41	16.16

* Statistically significant according to *F* test at 5% probability.

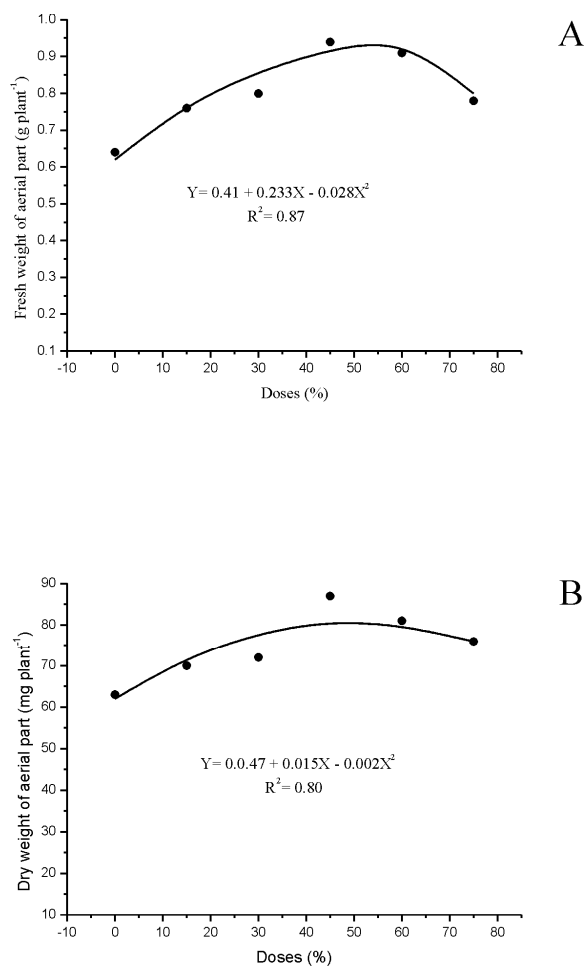


Figure 1. Fresh mass (A) and dry mass (B) of the aerial parts of lettuce seedlings grown on substrates containing different amounts of spent mushroom compost from *Agaricus subrufescens*

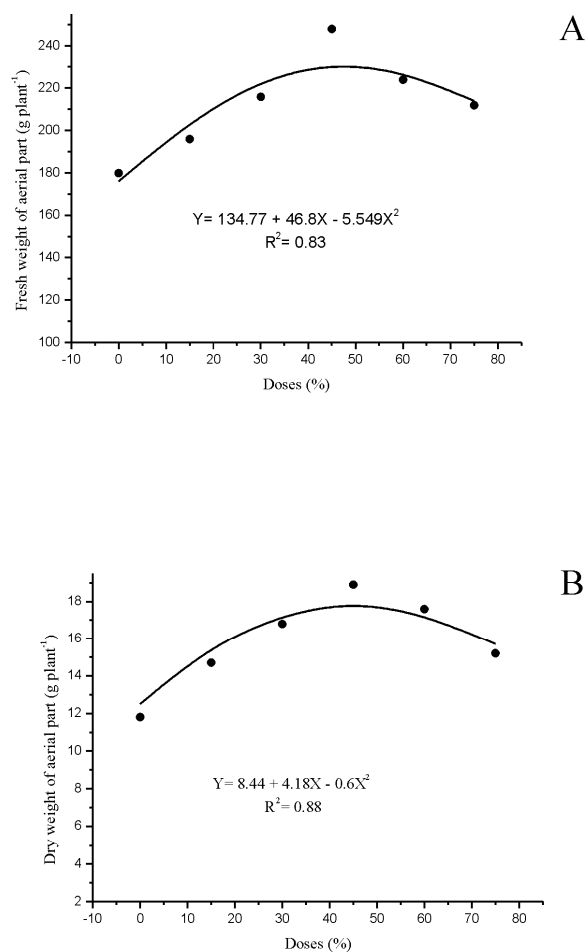


Figure 2. Fresh mass (A) and dry mass (B) of marketable crisphead lettuce heads derived from seedlings grown in substrates containing different amounts of spent mushroom compost from *Agaricus subrufescens*