Supplementary table 1. Effect of AgONPs and methanolic leaf extracts of *Zanthoxylum armatum* on *Agaricus bisporus* yield obtained during two growing periods.

Tested Formulations	Concentration (ppm)	Yield obtained from the treatments tested in overall two growing periods [mean yield ± (SE)][a]		
		First flush yield (kg/bag)	Second Flush yield (kg/bag)	Total Yield (kg/bag)
Silver oxide nanoparticles	10	$2.16^{b} \pm 0.00$	$2.20^{b} \pm 0.00$	$4.36^{b} \pm 0.00$
	20	$2.19^{b} \pm 0.02$	$2.22^{b} \pm 0.00$	$4.41^{c} \pm 0.02$
	30	$2.23^{c} \pm 0.01$	$2.25^{bc} \pm 0.01$	$4.47^{c} \pm 0.02$
	40	$2.32^{c} \pm 0.02$	$2.29^{c} \pm 0.02$	$4.61^{d} \pm 0.04$
	50	$2.43^{c} \pm 0.16$	$2.49^{d} \pm 0.16$	$4.92^{e} \pm 0.32$
	UIC	$1.30^{a} \pm 0.02$	$1.12^{a} \pm 0.02$	$2.42^{a} \pm 0.04$
	UUC	$3.06^{d} \pm 0.02$	$3.07^{e} \pm 0.02$	$6.13^{f} \pm 0.04$
Methanolic leaf extract	10	$2.09^{b} \pm 0.01$	$2.14^{b} \pm 0.01$	$4.23^{b} \pm 0.02$
	20	$2.12^{b} \pm 0.01$	$2.16^{b} \pm 0.02$	$4.28^{b} \pm 0.03$
	30	$2.16^{b} \pm 0.02$	$2.19^{b} \pm 0.03$	$4.35^{c} \pm 0.05$

	40	$2.17^{b} \pm 0.04$	$2.21^{c} \pm 0.02$	$4.38^{c} \pm 0.06$
	50	$2.28^{c} \pm 0.06$	$2.29^{d} \pm 0.05$	$4.57^{d} \pm 0.11$
	UIC	$1.30^{a} \pm 0.02$	$1.12^{a} \pm 0.02$	$2.42^{a} \pm 0.04$
	UUC	$3.06^{d} \pm 0.02$	$3.07^{e} \pm 0.02$	$6.13^{e} \pm 0.04$

[a] Values of two growing periods

[b] Means within the columns followed by the same lower-case letter are not significantly different (DMRT≤ 0.05).