Table 1 High molecular weight (hmwc), total triterpenoids, and ganoderic acids content in basidiomes of Ganoderma lucidum

Cultivation Conditions						
Substrate	Olive Oil	Cu	Flush	HMWC (g/kg)	Total Triterpenoids (g/kg)	Ganoderic Acids (g/kg)
SSH		_	1st	$14.0 \pm 2.7^{ABC}$	$37.8 \pm 3.6^{\circ}$	$19.2 \pm 0.9^{\mathrm{BCD}}$
SSH	_		2nd	$12.2\pm1.5^{\rm BCD}$	$39.6 \pm 7.0^{\circ}$	$20.4 \pm 1.1^{\mathrm{ABCD}}$
SSH	×		1st	$11.7 \pm 1.6^{BCD}$	$37.4 \pm 4.5^{\circ}$	$20.7 \pm 1.6^{\mathrm{ABC}}$
SSH	×		2nd	$11.2 \pm 2.1^{\mathrm{CD}}$	$38.2 \pm 7.2^{\circ}$	$22.4 \pm 2.2^{\mathrm{A}}$
SSH		×	1st	$9.3\pm2.1^{\mathrm{D}}$	$42.3 \pm 3.0^{\mathrm{ABC}}$	$21.9 \pm 2.7^{\mathrm{A}}$
SSH	_	×	2nd	$12.0 \pm 2.7^{BCD}$	$38.2 \pm 3.5^{\circ}$	$22.3 \pm 2.7^{A}$
SSH	×	×	1st	$9.4 \pm 1.8^{\mathrm{D}}$	$48.6 \pm 4.5^{\mathrm{A}}$	$17.8 \pm 1.6^{DE}$
SSH			$1st^a$	$9.3\pm0.5^{\mathrm{D}}$	$39.3 \pm 3.2^{\circ}$	$13.5\pm0.5^{\mathrm{F}}$
RA			1st	$16.3 \pm 4.5^{\mathrm{A}}$	$39.1 \pm 3.2^{\circ}$	$16.3 \pm 1.2^{E}$
RA	×		1st	$15.6 \pm 4.2^{AB}$	$37.4 \pm 4.8^{\mathrm{C}}$	$18.1 \pm 3.2^{CDE}$
RA	×		2nd	$15.0 \pm 2.3^{ABC}$	$41.7 \pm 3.4^{\mathrm{BC}}$	$21.2 \pm 1.8^{AB}$
RA	×	×	1st	$9.9 \pm 0.7^{\mathrm{D}}$	$47.6 \pm 5.2^{\mathrm{AB}}$	$15.5 \pm 1.7^{\mathrm{EF}}$

Note:  $^{a}$ Harvested after complete maturation of the basidiome. Basidiomes were grouped by main lignocellulosic substrate (SSH: sunflower seed hulls or RA: rice agro—residues), whether olive oil and/or copper (Cu) was present in the cultivation substrate, and flush at which the basidiome was harvested (first or second). HMWC content is expressed as g glucose equivalent per kg of dry basidiomes. Total triterpenoid and ganoderic acid contents are expressed as grams ursolic acid equivalents per kilogram dry basidiomes. Mean values  $\pm$  SD are presented. Values within a column bearing the same letter are not significantly different (P < 0.05) according to Tukey's test (Adopted from Bidegain et al., 2019)