

**Table S1.** Three-way ANOVA of dry matter (DM), leaf fresh weight per plant (LFW), leaf daily growth (LDG), yield per square meter, SPAD,  $L^*$ ,  $a^*$  and  $b^*$  as affected by hydroponic nutrient solutions (HNS), mint species and harvest time.

Source of variation	DM	LFW	Yield	LDG	$L^*$	$a^*$	$b^*$
HNS	*	***	***	***	***	***	***
Species (S)	***	***	***	***	***	***	***
Time (T)	***	***	***	***	***	***	***
HNS×T	NS	*	*	*	***	NS	***
S×T	**	***	***	***	***	***	***
HNS×S	NS	*	*	NS	*	NS	NS
HNS×S×T	NS	NS	NS	NS	*	NS	***

Asterisks indicate significant differences at \*  $P \leq 0.05$ ; \*\*  $P \leq 0.01$ ; \*\*\*  $P \leq 0.001$ ; NS, non-significant.

**Table S2.** Three-way ANOVA of counts ( $\text{CFU g}^{-1}$ ) of different groups of microorganisms and nutrient content as affected by hydroponic nutrient solutions (HNS), mint species and harvest time.

Source of variation on	TBC	MC	TYC	$\text{NO}_3^-$	$\text{CaCO}_3$	$\text{PO}_4^{3-}$	BP	So-Q	WL	$\text{CO}_2$	$\text{O}_2$
HNS	NS	NS	NS	*	***	***	***	NS	NS	*	NS
Species (S)	**	NS	NS	***	***	***	***	NS	***	***	NS
Harvest time (T)	***	*	*	***	***	***	***	***	***	***	***
HNS×T	NS	NS	***	**	*	*	NS	***	*	NS	NS
S×T	*	*	***	*	***	***	***	***	**	***	*
HNS×S	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS
HNS×S×T	NS	NS	*	NS	NS	NS	NS	NS	***	NS	NS

Asterisks indicate significant differences at \*  $P \leq 0.05$ ; \*\*  $P \leq 0.01$ ; \*\*\*  $P \leq 0.001$ ; NS, non-significant. (TBC: total bacterial count, MC: mould count, TYC: total yeast count, BP: browning potential, So-Q: soluble o-quinone and WL (weight loss).