

Annex 1. *P*-values for each of the factors (terms) in the variables measured.

Variable	Term	<i>p</i>-value
Fruit DW	Treatment	<0.001
	Year	<0.001
	Treatment:Year	<0.001
Shoot DW	Treatment	<0.001
	Year	0.005
	Treatment:Year	<0.001
Root DW	Treatment	<0.001
	Year	0.007
	Treatment:Year	<0.001
Fruit N uptake	Treatment	<0.001
	Year	<0.001
	Treatment:Year	0.002
Shoot N uptake	Treatment	<0.001
	Year	0.02
	Treatment:Year	<0.001
Root N uptake	Treatment	<0.001
	Year	<0.001
	Treatment:Year	0.01
Total N uptake	Treatment	<0.001
	Year	0.01
	Treatment:Year	<0.001
Mark. fruits number	Treatment	<0.0001
	Year	0.0003
	Treatment:Year	<0.0001
Unmark. fruits number	Treatment	<0.001
	Year	0.04
	Treatment:Year	<0.0001
Green fruits number	Treatment	0.62
	Year	0.31
	Treatment:Year	0.01
Total fruits number	Treatment	<0.0001
	Year	0.0008
	Treatment:Year	<0.0001
Mark. fruits yield	Treatment	<0.001
	Year	0.01
	Treatment:Year	<0.001
Unmark. fruits yield	Treatment	<0.001
	Year	0.01
	Treatment:Year	<0.001
Green fruits yield	Treatment	<0.001
	Year	0.14
	Treatment:Year	<0.001

Variable	Term	<i>p</i> -value
Total yield	Treatment	<0.001
	Year	0.03
	Treatment:Year	<0.001
Weed biomass	Treatment	<0.001
	Year	0.08
	Treatment:Year	<0.001
Soil nitrates	Treatment	<0.001
	Year	<0.001
	Treatment:Year	<0.001
Soil compaction	Treatment	<0.001
	Year	0.26
	Treatment:Year	<0.001
pH	Treatment	0.36
	Year	0.03
	Treatment:Year	0.43
TSS	Treatment	0.1
	Year	0.88
	Treatment:Year	0.38
Firmness 2016	Treatment	0.75
Firmness 2017	Treatment	<0.001
Vitamin C	Treatment	0.02
Total phenols	Treatment	0.80
Antioxidant activity	Treatment	0.85