

Table S1

Tables results of two-way ANOVA

Referring to Figure 1: weight loss

Lettuce

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	15.59	0.3450	ns	No
Column Factor (Treatment)	4.691	0.3753	ns	No
Interaction: Row Factor x Column Factor	5.379	0.3908	ns	No
Interaction: Row Factor x Subject	36.67			
Interaction: Column Factor x Subject	13.04			
Subject	9.078			

Rocket

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	86.57	0.0015	**	Yes
Column Factor (Treatment)	0.1283	0.6206	ns	No
Interaction: Row Factor x Column Factor	0.9582	0.4687	ns	No
Interaction: Row Factor x Subject	8.457			
Interaction: Column Factor x Subject	0.7626			
Subject	1.135			

Referring to Table 2: Lettuce

FV/Fm

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	2.334	0.7024	ns	No
Column Factor (Treatment)	0.3610	0.4856	ns	No
Interaction: Row Factor x Column Factor	11.06	0.1188	ns	No
Interaction: Row Factor x Subject	34.33			
Interaction: Column Factor x Subject	4.664			
Subject	11.98			

PI

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	31.26	0.0010	***	Yes
Column Factor (Treatment)	0.1443	0.5768	ns	No
Interaction: Row Factor x Column Factor	5.005	0.2172	ns	No
Interaction: Row Factor x Subject	27.40			
Interaction: Column Factor x Subject	2.949			
Subject	11.47			

Chlorophyll (AU)

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	5.757	0.2884	ns	No
Column Factor (Treatment)	2.339	0.1582	ns	No
Interaction: Row Factor x Column Factor	3.696	0.5653	ns	No
Interaction: Row Factor x Subject	30.09			
Interaction: Column Factor x Subject	6.562			
Subject	14.34			

Total sugars

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	15.59	0.3450	ns	No
Column Factor (Treatment)	4.691	0.3753	ns	No
Interaction: Row Factor x Column Factor	5.379	0.3908	ns	No
Interaction: Row Factor x Subject	36.67			
Interaction: Column Factor x Subject	13.04			
Subject	9.078			

Phenolic Index

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	13.20	0.2957	ns	No
Column Factor (Treatment)	2.949	0.2885	ns	No
Interaction: Row Factor x Column Factor	16.00	0.2058	ns	No
Interaction: Row Factor x Subject	27.58			
Interaction: Column Factor x Subject	5.344			
Subject	9.207			

Anthocyanins

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	43.18	0.0228	*	Yes
Column Factor (Treatment)	4.252	0.0706	ns	No
Interaction: Row Factor x Column Factor	12.41	0.1402	ns	No
Interaction: Row Factor x Subject	16.15			
Interaction: Column Factor x Subject	1.684			
Subject	9.833			

Total Chlorophylls (a+b)

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	28.94	0.0155	*	Yes
Column Factor (Treatment)	0.01504	0.9573	ns	No
Interaction: Row Factor x Column Factor	9.542	0.2904	ns	No
Interaction: Row Factor x Subject	14.39			
Interaction: Column Factor x Subject	13.33			
Subject	14.14			

Total Carotenoids

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	26.18	0.0488	*	Yes
Column Factor (Treatment)	0.1564	0.8176	ns	No
Interaction: Row Factor x Column Factor	9.973	0.3124	ns	No
Interaction: Row Factor x Subject	20.13			
Interaction: Column Factor x Subject	7.414			
Subject	14.34			

Referring to Table 3: Rocket

FV/Fm

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	43.99	0.0006	***	Yes
Column Factor (Treatment)	0.6294	0.5173	ns	No
Interaction: Row Factor x Column Factor	1.360	0.8105	ns	No
Interaction: Row Factor x Subject	21.03			
Interaction: Column Factor x Subject	6.490			
Subject	5.279			

PI

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	31.64	0.0030	**	Yes
Column Factor (Treatment)	1.406	0.1152	ns	No
Interaction: Row Factor x Column Factor	7.113	0.3913	ns	No
Interaction: Row Factor x Subject	21.66			
Interaction: Column Factor x Subject	1.938			
Subject	3.011			

Chlorophyll (AU)

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	7.259	0.2940	ns	No
Column Factor (Treatment)	0.0002210	0.9923	ns	No
Interaction: Row Factor x Column Factor	5.305	0.6047	ns	No
Interaction: Row Factor x Subject	26.76			
Interaction: Column Factor x Subject	10.72			
Subject	8.081			

Total sugars

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	16.43	0.3014	ns	No
Column Factor (Treatment)	15.91	0.0283	*	Yes
Interaction: Row Factor x Column Factor	21.81	0.1914	ns	No
Interaction: Row Factor x Subject	21.54			
Interaction: Column Factor x Subject	0.9413			
Subject	3.358			

Phenolic Index

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	3.374	0.8447	ns	No
Column Factor (Treatment)	5.482	0.5532	ns	No
Interaction: Row Factor x Column Factor	19.94	0.1185	ns	No
Interaction: Row Factor x Subject	24.95			
Interaction: Column Factor x Subject	21.98			
Subject	10.88			

Anthocyanins

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	11.97	0.3722	ns	No
Column Factor (Treatment)	16.20	0.1743	ns	No
Interaction: Row Factor x Column Factor	15.04	0.0632	ns	No
Interaction: Row Factor x Subject	19.17			
Interaction: Column Factor x Subject	7.561			
Subject	22.93			

Total Chlorophylls (a+b)

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	29.61	0.0838	ns	No
Column Factor (Treatment)	7.949	0.3582	ns	No
Interaction: Row Factor x Column Factor	14.31	0.2247	ns	No
Interaction: Row Factor x Subject	16.30			
Interaction: Column Factor x Subject	11.35			
Subject	5.731			

Total Carotenoids

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	24.43	0.1715	ns	No
Column Factor (Treatment)	12.12	0.3051	ns	No
Interaction: Row Factor x Column Factor	18.29	0.2570	ns	No
Interaction: Row Factor x Subject	13.21			
Interaction: Column Factor x Subject	12.98			
Subject	3.704			

Referring to Figure 2: Nitrate

Lettuce

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	29.92	0.0014	**	Yes
Column Factor (Treatment)	35.99	0.0810	ns	No
Interaction: Row Factor x Column Factor	1.612	0.6618	ns	No
Interaction: Row Factor x Subject	7.076			
Interaction: Column Factor x Subject	16.08			
Subject	0.5050			

Rocket

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	5.761	0.7260	ns	No
Column Factor (Treatment)	21.39	0.0440	*	Yes
Interaction: Row Factor x Column Factor	22.89	0.0862	ns	No
Interaction: Row Factor x Subject	25.55			
Interaction: Column Factor x Subject	2.016			
Subject	9.579			

Referring to Figure 3: Gases concentration

Lettuce

O₂

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	66.72	0.0018	**	Yes
Column Factor (Treatment)	1.786	0.2901	ns	No
Interaction: Row Factor x Column Factor	2.775	0.4058	ns	No
Interaction: Row Factor x Subject	16.96			
Interaction: Column Factor x Subject	3.262			
Subject	0.7857			

CO₂

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	83.28	0.0001	***	Yes
Column Factor (Treatment)	0.3347	0.3103	ns	No
Interaction: Row Factor x Column Factor	3.448	0.2621	ns	No
Interaction: Row Factor x Subject	2.852			
Interaction: Column Factor x Subject	0.6767			
Subject	3.741			

RH

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	18.57	0.4464	ns	No
Column Factor (Treatment)	14.80	0.0051	**	Yes
Interaction: Row Factor x Column Factor	5.350	<0.0001	****	Yes
Interaction: Row Factor x Subject	57.13			
Interaction: Column Factor x Subject	0.8103			
Subject	2.799			

Rocket

O₂

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	45.57	0.0024	**	Yes
Column Factor (Treatment)	10.12	0.0130	*	Yes
Interaction: Row Factor x Column Factor	36.43	0.0003	***	Yes
Interaction: Row Factor x Subject	5.283			
Interaction: Column Factor x Subject	0.2684			
Subject	0.3576			

CO₂

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	46.94	<0.0001	****	Yes
Column Factor (Treatment)	9.933	0.0032	**	Yes
Interaction: Row Factor x Column Factor	39.88	<0.0001	****	Yes
Interaction: Row Factor x Subject	1.481			
Interaction: Column Factor x Subject	0.06438			
Subject	0.8572			

RH

Source of Variation	% of total variation	P value	P value summary	Significant?
Row Factor (Time)	88.81	0.0328	*	Yes
Column Factor (Treatment)	3.418	0.0192	*	Yes
Interaction: Row Factor x Column Factor	1.177	0.0279	*	Yes
Interaction: Row Factor x Subject	6.134			
Interaction: Column Factor x Subject	0.1351			
Subject	0.2514			