

Supplementary Data

Table S1. Nutrients (N and P) concentrations in lettuce, cucumber and tomato, grown using FoodLift and CLF.

Plant	Type	Component	Average macro-nutrients concentration on dry weight basis, g/kg	
			N (SD)	P (SD)
Lettuce	CLF	Leaves	258.3 (39.6)	86 (8.5)
		Roots	251.3 (29.7)	88 (5.6)
		Stem	53 (4)	11.2 (2.6)
		Stalk	223.3 (2.1)	88.2 (1.9)
	FoodLift	Leaves	250 (29.5)	87 (1.6)
		Roots	261.3 (22.5)	87 (1.7)
		Stem	54 (13)	12.9 (0.2)
		Stalk	241.7 (22)	86.7 (5.1)
Cucumber	CLF	Fruit	27 (7)	6.9 (5.3)
		Leaves	35 (6)	32.7 (3.1)
		Roots	35 (6.6)	10 (1)
		Stem	32 (5.3)	8.9 (2)
		Stalk	30.3 (2.5)	8.3 (0.6)
	FoodLift	Fruit	28 (4)	10 (0.9)
		Leaves	34 (4)	30.7 (3.2)
		Roots	35 (1.5)	9.8 (0.3)
		Stem	33 (6.6)	10 (0.9)
		Stalk	31 (1)	6.9 (1)
Tomato	CLF	Fruit	3 (0.4)	32.3 (1.5)
		Leaves	1 (0.5)	4 (0.5)
		Roots	18.3 (2.5)	6.3 (0.6)
		Stem	5.2 (0.8)	3.9 (0.3)
		Stalk	7 (1.1)	4.7 (1.2)
	FoodLift	Fruit	3.1 (0.4)	31 (1)
		Leaves	1 (0.4)	4.8 (0.3)
		Roots	36 (1)	5.9 (0.1)
		Stem	3 (0.7)	3.9 (0.9)
		Stalk	9.4 (1.4)	4.8 (0.7)

Note: Standard deviation (SD) values are given in parenthesis.

Table S2. Cations concentrations in lettuce, cucumber and cherry tomato, grown using FoodLift and CLF.

Plant	Type	Component	Average cations concentration on dry weight basis, g/kg		
			Ca (SD)	K (SD)	Mg (SD)
Lettuce	CLF	Leaves	5.2 (1)	14.3 (1.3)	1 (0.2)
		Roots	8.1 (0.8)	7.5 (0.5)	36.7 (2.1)
		Stem	4.3 (0.3)	4.1 (0.6)	1.9 (0.3)
		Stalk	3.3 (0.6)	3 (0.6)	0.8 (0.1)
	FoodLift	Leaves	7 (0.2)	7 (1)	3.1 (0.7)
		Roots	5.9 (0.5)	6.9 (0.7)	22 (1)
		Stem	3 (0.2)	13 (1)	0.8 (0.1)
		Stalk	4.3 (0.3)	20 (1)	2 (0.2)
Cucumber	CLF	Fruit	1.9 (0.2)	17.1 (1.4)	1.9 (0.3)
		Leaves	18 (1)	14.4 (2.7)	7 (0.2)
		Roots	28.4 (3.5)	55.1 (3.5)	7 (1.0)
		Stem	8 (1)	16.4 (1.8)	3 (0.2)
		Stalk	6.4 (0.7)	18 (1)	3 (0.6)
	FoodLift	Fruit	17.8 (1.3)	20.7 (2.5)	12 (1)
		Leaves	2 (0.2)	17 (1)	2 (0.2)
		Roots	3 (0.2)	30.7 (3.8)	3 (0.2)
		Stem	8 (1)	12 (1)	18.8 (2.9)
		Stalk	6.2 (0.9)	28.7 (5.7)	3 (0.2)
Tomato	CLF	Fruit	3.1 (0.7)	17.7 (1.2)	2 (0.2)
		Leaves	1 (0.2)	13 (1)	1 (0.2)
		Roots	18 (1)	20 (1)	8 (1)
		Stem	5.4 (0.6)	2.4 (0.4)	4.3 (0.3)
		Stalk	7.2 (0.8)	37 (1)	3.4 (0.5)
	FoodLift	Fruit	3.4 (0.5)	4 (1)	1.1 (0.1)
		Leaves	1.1 (0.1)	21.3 (5)	14.4 (2.7)
		Roots	35.7 (1.5)	29.5 (1.7)	2 (0.2)
		Stem	3.1 (0.4)	54.2 (2.4)	14.4 (2.7)
		Stalk	9 (0.2)	12 (1)	1.9 (0.2)

Note: Standard deviation (SD) values are given in parenthesis.