Table S1. Mean values of the initial nutrient composition in the bagged pruning and garden waste. Data not sharing a common letter are statistically different in nutrient content (Tukey's test, $p < 0.05$). Standard deviation in brackets.

	Initial Nutrient Composition			
	Avocado pruning waste	**Cherimoya pruning waste**	**Mango pruning waste**	**Garden waste**
Fe (mg/kg)	109.9 (12.6) a	123.7 (6.3) a	201 (11.6) a	123.7 (26.9) a
Cu (mg/kg)	6.6 (0.0) a	4.7 (0.5) a	4.7 (0.5) a	5.8 (0.0) a
Mn (mg/kg)	49.2 (3.8) a	20.4 (2.8) a	58.6 (2.6) a	38.1 (0.8) a
Zn (mg/kg)	13.8 (1.0) a	10.5 (2.0) a	11.1 (0.5) a	14.6 (2.6) a
P (%)	0.1 (0.0) a	0.1 (0.0) a	0.2 (0.0) a	0.3 (0.0) b
K (%)	0.5 (0.0) a	0.3 (0.0) b	0.5 (0.0) a	0.6 (0.0) a
Na (%)	0.1 (0.0) a	0.1 (0.0) a	0.1 (0.0) a	0.1 (0.0) a
Ca (%)	0.3 (0.0) a	0.2 (0.0) a	0.2 (0.0) a	0.2 (0.0) a
Mg (%)	0.5 (0.0) a	0.4 (0.1) ab	0.0 (0.0) b	0.0 (0.0) b
C (%)	47.4 (0.1) a	47.4 (0.2) a	45.7 (0.1) a	45.6 (0.1) a
N (%)	0.5 (0.1) a	0.7 (0.1) a	0.6 (0.0) a	0.8 (0.1) a
C/N	90.2 (9.9) a	70.3 (8.9) a	73.5 (0.9) a	59.1 (4.6) a

Table S2. Distribution of the nutrient content (mean values and standard deviation, sd) in mg per 100 g of fruit (DM, dry matter), and in g per 100 g for C and N (DM) in each of the three sampling years (2013, 2016, and 2017) and the three parts of the avocado fruits (peel, pulp, and seed) for the different treatment of pruning waste application. Lowercase letters represent significant differences among the years of study (Tukey test $p < 0.05$). ANOVA p values results for the effects of treatments application at $p < 0.05$*, $p < 0.01$** and $p < 0.001$*** n.s. not significant at a $p < 0.05$.

		MANGO		AVOCADO		CHERIMOYA		GARDEN		CONTROL		
						2013						
		mean	***sd***	**mean**	***sd***	**mean**	***sd***	**mean**	***sd***	**mean**	***sd***	***p value***
PEEL	**Fe**	60.2	*6.18*	59.91	*7.4*	56.32	*3.71*	59.33	*6.45*	60.12	*8.94*	n.s.
	Cu	5.67	*0.64*	5.63	*0.44*	5.35	*0.73*	5.51	*0.51*	5.63	*0.6*	n.s.
	Mn	8.32	*0.68*	8.61	*1.01*	8.46	*0.96*	8.85	*1.09*	8.79	*1.32*	n.s.
	Zn	9.54	*1.01*	9.63	*1.34*	9.23	*0.99*	9.35	*1.15*	9.63	*1.13*	n.s.
	P	2461	*739*	2314	*573*	2254	*423*	2479	*768*	2301	*593*	n.s.
	K	41791	*3839*	42834	*3887*	39214	*4389*	41257	*3707*	41742	*3639*	n.s.
	Na	1600	*248*	1612	*235*	1485	*168*	1587	*207*	1603	*191*	n.s.
	Ca	2004	*316*	1901	*214*	1925	*188*	1938	*190*	2083	*225*	n.s.
	Mg	2012	*211*	2051	*167*	1956	*206*	1929	*112*	2059	*214*	n.s.
	C	51.12	*1.55*	50.45	*1.11*	50.2	*0.99*	50.14	*1.28*	50.22	*1.87*	n.s.
	N	1.10ab	*0.09*	1.14b	*0.1*	1.03a	*0.08*	1.07ab	*0.11*	1.06ab	*0.08*	0.01*
PULP	**Fe**	51.27	*5.43*	54.25	*7.99*	51.38	*4.18*	51.14	*5.01*	54.04	*4.73*	n.s.
	Cu	9.37	*1*	10.12	*1.34*	9.66	*1.06*	9.33	*0.71*	10.19	*0.92*	n.s.
	Mn	6.55	*0.78*	7.06	*0.6*	7.48	*1.16*	6.78	*0.78*	6.96	*1.23*	n.s.
	Zn	14.42	*2.5*	15.19	*2.52*	13.17	*1.96*	13.84	*1.22*	13.25	*2.39*	n.s.
	P	2790	*488*	2949	*553*	2589	*615*	2453	*661*	2707	*760*	n.s.
	K	32353	*4354*	33568	*3000*	33425	*5290*	34476	*3634*	32088	*4077*	n.s.
	Na	2071	*238*	1972	*228*	1950	*226*	1996	*170*	1917	*195*	n.s.
	Ca	1894	*212*	1802	*245*	1862	*197*	1911	*199*	1826	*159*	n.s.
	Mg	2387	*341*	2421	*251*	2353	*310*	2258	*243*	2354	*207*	n.s.
	C	65.39	*1.61*	64.85	*2.29*	65.8	*1.8*	66.89	*5.19*	66.59	*1.86*	n.s.
	N	0.95	*0.13*	0.99	*0.21*	0.92	*0.172*	0.97	*0.13*	0.91	*0.13*	n.s.
STONE	**Fe**	36.21	*3.05*	35.87	*3.24*	35.87	*2.24*	38.54	*3.85*	37.66	*4.33*	n.s.
	Cu	5.41	*1.05*	5.28	*0.6*	5.24	*0.68*	5.43	*0.58*	5.62	*0.65*	n.s.
	Mn	7.57	*1.01*	8.38	*0.96*	7.97	*0.8*	7.76	*1.21*	8	*0.91*	n.s.
	Zn	10.21	*1.21*	10.4	*1.01*	9.86	*0.83*	10.31	*1.24*	10.53	*1.07*	n.s.
	P	1997	*543*	2018	*561*	1979	*537*	2058	*832*	2160	*574*	n.s.
	K	20463	*2917*	20065	*2612*	17968	*2425*	19492	*2216*	19894	*2285*	n.s.
	Na	1625	*170*	1602	*133*	1602	*109*	1613	*251*	1690	*94*	n.s.
	Ca	1772	*234*	1773	*263*	1778	*228*	1851	*233*	1832	*264*	n.s.
	Mg	1890	*192*	1842	*155*	1896	*262*	1867	*179*	1869	*237*	n.s.
	C	45.8	*1.66*	46.52	*2.03*	45.17	*0.71*	45.5	*1.92*	46.18	*1.4*	n.s.
	N	0.75	*0.12*	0.72	*0.16*	0.7	*0.11*	0.69	*0.13*	0.67	*0.13*	n.s.

2016												
		mean	***sd***	**mean**	***sd***	**mean**	***sd***	**mean**	***sd***	**mean**	***sd***	**treatment**
PEEL	**Fe**	32.57ab	*13.3*	36.92ab	*13.5*	42.25b	*15.18*	41.13ab	*16.23*	27.14a	*15.67*	0.030*
	Cu	7.64ab	*1.83*	8.87b	*2.19*	6.46a	*1.64*	7.46ab	*1.99*	8.04ab	*2.8*	0.036*
	Mn	5.96	*1.09*	6.91	*1.73*	5.72	*1.03*	6.21	*1.39*	6.44	*2.2*	n.s.
	Zn	13.57	*6.15*	13.82	*5.91*	10.47	*4.02*	12.12	*4.45*	11.64	*5.57*	n.s.
	P	1881ab	*352*	2030b	*420*	1561a	*334*	1779ab	*594*	1744ab	*526*	0.023*
	K	16876	*4476*	17418	*3357*	15486	*3556*	15023	*2305*	15173	*3367*	n.s.
	Na	435a	*274*	423a	*194*	601ab	*393*	782b	*498*	469a	*233*	0.017*
	Ca	973	*250*	1180	*179*	1095	*288*	1097	*330*	1003	*349*	n.s.
	Mg	897	*136*	994	*132*	917	*76*	939	*163*	932	*179*	n.s.
	C	52.39ab	*0.73*	52.85b	*0.67*	51.83a	*0.91*	52.69b	*0.84*	52.33ab	*0.6*	0.003**
	N	0.68	*0.07*	0.7	*0.06*	0.65	*0.1*	0.68	*0.06*	0.65	*0.08*	n.s.
PULP	**Fe**	24.57	*22.44*	30.41	*20.47*	21.91	*9.11*	29.14	*19.7*	29.78	*18.46*	n.s.
	Cu	12.24	*2.24*	15.25	*4.68*	12.81	*2.58*	13.88	*3.37*	13.87	*4.66*	n.s.
	Mn	5.49	*1.68*	6	*1.75*	5.22	*1.57*	5.6	*1.41*	6.26	*2.56*	n.s.
	Zn	13.5	*4.85*	14.37	*5.06*	12.68	*3.3*	15.33	*4.43*	14.54	*5.12*	n.s.
	P	2422	*576*	2435	*319*	2448	*326*	2305	*415*	2419	*353*	n.s.
	K	16663	*3919*	16207	*2922*	17474	*2529*	16302	*3389*	16733	*3002*	n.s.
	Na	460	*134*	880	*618*	689	*355*	595	*458*	655	*358*	n.s.
	Ca	1213	*334*	1188	*264*	1241	*264*	1323	*324*	1310	*355*	n.s.
	Mg	1003	*120*	1025	*106*	1038	*130*	1034	*117*	1030	*158*	n.s.
	C	64.35	*1.46*	64.53	*1.12*	64.08	*1.1*	63.99	*1.87*	64.13	*1.21*	n.s.
	N	0.70	*0.16*	0.69	*0.10*	0.72	*0.12*	0.71	*0.14*	0.70	*0.15*	n.s.
STONE	**Fe**	46.21	*14.61*	34.85	*17.1*	36.2	*12.71*	41.43	*16.1*	44.45	*15.27*	n.s.
	Cu	8.61	*3.16*	9.51	*2.77*	6.81	*1.17*	8.22	*2.78*	7.92	*2.3*	n.s.
	Mn	6.81	*3.07*	6.2	*3.09*	4.81	*1.87*	6.04	*3.22*	6.06	*2.99*	n.s.
	Zn	7.06	*2.66*	7.76	*2.77*	7.35	*2.43*	7.54	*2.74*	7.46	*3.2*	n.s.
	P	1518	*340*	1655	*378*	1442	*284*	1475	*265*	1501	*340*	n.s.
	K	9263	*1849*	9805	*1998*	8098	*1296*	8779	*2113*	9001	*2162*	n.s.
	Na	465	*405*	419	*308*	499	*434*	536	*600*	389	*382*	n.s.
	Ca	1040ab	*418*	883a	*328*	976ab	*277*	1346b	*517*	1009ab	*346*	0.015*
	Mg	868	*180*	771	*101*	756	*171*	862	*168*	865	*253*	n.s.
	C	44.08	*1.52*	44.15	*1.58*	44.27	*1.93*	43.88	*1.4*	43.84	*1.87*	n.s.
	N	0.4	*0.06*	0.407	*0.069*	0.36	*0.06*	0.41	*0.05*	0.39	*0.07*	n.s.
2017												
		mean	***sd***	**mean**	***sd***	**mean**	***sd***	**mean**	***sd***	**mean**	***sd***	**treatment**
PEEL	**Fe**	47.24	*16.47*	49.85	*18.74*	42.41	*20.16*	46.66	*36.04*	34.96	*20.02*	n.s.
	Cu	5.97	*1.56*	5.87	*1.81*	6.06	*1.41*	6.99	*2.23*	5.63	*1.78*	n.s.
	Mn	7.67ab	*0.83*	7.28a	*1.19*	7.62ab	*1.01*	9.13b	*2.8*	7.23a	*3.04*	0.003**
	Zn	7.94	*2.27*	6.5	*1.82*	7.11	*1.32*	8.82	*2.95*	7.74	*2.83*	n.s.
	P	1420	*237*	1325	*170*	1318	*194*	1366	*219*	1359	*287*	n.s.
	K	14481	*3954*	13252	*3144*	12042	*1660*	13600	*2909*	12169	*1397*	n.s.
	Na	133	*49*	136	*73*	169	*80*	131	*54*	131	*65*	n.s.
	Ca	641	*254*	552	*182*	522	*171*	677	*251*	688	*175*	n.s.
	Mg	961	*194*	876	*131*	979	*153*	944	*172*	899	*187*	n.s.
	C	49.15	*0.83*	49.04	*0.83*	48.86	*1*	48.65	*0.48*	49.03	*0.76*	n.s.
	N	0.67	*0.07*	0.63	*0.09*	0.64	*0.1*	0.65	*0.08*	0.63	*0.09*	n.s.
PULP	**Fe**	43.05a	*25.81*	55.34ab	*24.27*	67.01ab	*36.42*	76.04b	*28.91*	60.21ab	*28.34*	0.027*
	Cu	7.84	*2.39*	7.25	*1.81*	7.44	*1.84*	8.34	*2.61*	6.73	*1.15*	n.s.
	Mn	5.53a	*2.24*	5.84a	*2.2*	5.85a	*1.57*	8.40b	*3.1*	6.40a	*1.93*	0.004**
	Zn	8.67	*3.61*	7.57	*2.91*	8.32	*2.2*	10.16	*4.4*	7.65	*2.73*	n.s.
	P	2518	*497*	2574	*412*	2601	*393*	2584	*411*	2364	*434*	n.s.

	K	15157	*5077*	14321	*4991*	13511	*2850*	14893	*6200*	12098	*3687*	n.s.
	Na	583	*303*	499	*208*	549	*222*	452	*242*	442	*209*	n.s.
	Ca	1029	*179*	974	*228*	952	*181*	971	*247*	958	*302*	n.s.
	Mg	719	*106*	633	*159*	691	*101*	711	*110*	682	*130*	n.s.
	C	66.28	*2.7*	66.9	*3.2*	65.95	*2.57*	67.05	*2.18*	67.2	*2.09*	n.s.
	N	0.56	*0.08*	0.57	*0.08*	0.55	*0.06*	0.59	*0.08*	0.55	*0.05*	n.s.
	Fe	24.91	*3.6*	29.01	*8.34*	24.68	*6.94*	26.78	*9.41*	24.6	*7.38*	n.s.
	Cu	7.52	*1.8*	6.75	*1.7*	6.56	*1.22*	7.48	*2.38*	6.9	*2.06*	n.s.
	Mn	4.52	*1.21*	4.18	*1.42*	4.93	*2.16*	4.68	*1.69*	4.51	*1.38*	n.s.
	Zn	5.19	*1.1*	4.83	*0.81*	4.61	*0.8*	4.61	*1.01*	5.03	*1.11*	n.s.
	P	1487	*227*	1422	*175*	1439	*120*	1344	*116*	1370	*111*	n.s.
STONE	**K**	6743	*899*	7310	*1042*	7187	*1001*	6827	*1162*	7211	*1148*	n.s.
	Na	228	*83*	200	*47*	201	*62*	214	*53*	181	*82*	n.s.
	Ca	403ab	*123*	361ab	*170*	307a	*120*	379ab	*111*	466b	*172*	0.036*
	Mg	723	*212*	647	*134*	683	*140*	653	*160*	666	*137*	n.s.
	C	42.38	*0.89*	42.48	*1.34*	42.65	*1.03*	42.55	*1.17*	42.47	*0.86*	n.s.
	N	0.33	*0.08*	0.32	*0.05*	0.34	*0.08*	0.30	*0.05*	0.30	*0.03*	n.s.

Figure S1. Scores and loadings for PCA performed for distribution of nutrient content among the three years of study (2013, 2016, 2017) for the total element content in the avocado fruit in each part of the fruit, peel, pulp and seed.