

Table S1. Means data, standard deviation (SD), minimum (Min) and maximum (Max) value of fruits weight and color coordinates (CIElab) divided by cultivar (Kioto* KM and Pieve* PM), agronomic treatment (Business As Usual – BAU; Innovative diversified system with Natural cover and Compost use – ICC; Innovative diversified system with introduced Cover and Compost use – INC) and years.

			Year 2019				Year 2020			
CV	Tr		Mean	SD	Min	Max	Mean	SD	Min	Max
W	KM	BAU	33.0	6.2	27.0	43.9	29.9	11.7	27.0	43.9
		ICC	31.4	7.6	23.5	48.3	33.3	3.4	27.5	38.6
		INC	34.7	4.7	26.1	41.0	31.8	4.6	23.6	41.0
		<i>KM_Overall</i>	33.0	6.2	25.5	44.4	31.7	6.6	26.0	41.2
	PM	BAU	33.6	4.1	29.8	43.5	27.5	11.6	23.8	43.9
		ICC	29.2	2.9	27.0	34.5	37.7	6.8	27.0	45.9
		INC	34.5	5.7	24.6	45.9	33.0	8.2	23.6	49.9
		<i>PM_Overall</i>	32.4	4.2	27.1	41.3	32.7	8.9	24.9	46.6
Skin L*	KM	BAU	53.54	3.24	49.58	58.75	49.22	17.37	50.78	56.16
		ICC	51.22	3.03	46.19	56.43	52.24	1.71	49.69	54.68
		INC	52.96	3.67	46.13	58.13	51.90	2.29	48.77	58.13
		<i>KM_Overall</i>	52.76	2.83	47.30	57.77	51.12	7.12	49.75	56.32
	PM	BAU	49.59	3.57	44.21	55.17	44.53	15.97	42.01	53.71
		ICC	50.00	4.03	44.62	56.72	48.34	2.05	44.03	49.97
		INC	50.33	3.60	44.82	55.60	50.66	1.74	48.91	53.75
		<i>PM_Overall</i>	49.87	3.84	44.55	55.83	47.84	6.59	44.99	52.48
Skin a*	KM	BAU	20.46	3.32	13.56	26.57	19.04	6.96	17.82	23.82
		ICC	21.69	4.05	11.87	25.40	22.48	2.02	18.59	25.49
		INC	18.61	4.24	9.53	25.17	19.08	4.75	11.35	25.17
		<i>KM_Overall</i>	20.58	3.75	11.65	25.71	20.20	4.58	15.92	24.82
	PM	BAU	18.97	6.59	6.73	27.09	15.33	8.46	4.96	29.64
		ICC	20.94	3.96	14.78	25.71	20.08	3.37	15.44	26.63
		INC	19.11	5.03	7.44	25.12	18.46	3.85	11.27	25.14
		<i>PM_Overall</i>	19.93	5.00	9.65	25.97	17.96	5.23	10.56	27.14
Skin b*	KM	BAU	34.62	4.86	27.95	44.68	32.75	11.72	31.46	40.50
		ICC	33.27	4.45	25.60	41.36	36.02	3.12	30.51	41.46
		INC	33.51	5.90	22.20	42.63	32.14	3.59	27.08	42.63
		<i>KM_Overall</i>	33.80	5.07	25.25	42.89	35.16	5.24	29.68	41.53
	PM	BAU	29.53	4.39	23.59	36.93	25.97	9.73	21.49	34.25
		ICC	31.75	5.19	25.22	39.70	28.84	2.36	24.83	32.15
		INC	31.11	4.02	26.17	36.51	31.37	2.42	28.64	35.96
		<i>PM_Overall</i>	30.79	4.53	24.99	37.71	28.73	4.84	24.99	34.12
Pulp L*	KM	BAU	56.44	1.26	54.67	58.09	50.69	17.85	53.57	58.13
		ICC	53.93	3.98	47.47	57.95	54.77	2.71	50.97	58.22
		INC	56.52	2.53	53.01	59.54	55.33	2.94	50.05	59.54
		<i>KM_Overall</i>	55.57	2.70	51.72	58.53	53.60	7.84	51.53	58.63
	PM	BAU	54.57	2.37	48.85	56.74	49.14	17.32	51.98	56.89
		ICC	53.82	2.92	47.27	56.51	52.97	2.32	49.67	56.70
		INC	54.35	2.98	48.48	58.93	54.45	2.67	50.32	58.23
		<i>PM_Overall</i>	54.25	2.76	48.20	57.40	52.19	7.44	50.66	57.27
Pulp a*	KM	BAU	12.40	0.96	11.14	13.89	11.19	4.03	11.21	14.45
		ICC	12.79	4.05	4.87	18.40	13.97	3.09	10.06	18.49
		INC	12.45	3.29	7.08	18.17	11.87	3.88	6.08	18.17
		<i>KM_Overall</i>	12.64	2.92	7.70	16.82	12.34	3.67	9.12	17.03
	PM	BAU	12.88	1.61	10.01	14.85	8.79	5.63	-2.04	15.04
		ICC	11.84	1.80	8.21	14.30	11.47	2.13	8.44	14.40
		INC	11.75	3.03	6.24	15.17	11.56	2.72	7.38	15.13
		<i>PM_Overall</i>	12.38	2.89	8.15	14.78	10.60	3.49	4.60	14.86
Pulp b*	KM	BAU	41.28	1.12	39.77	43.44	37.20	13.11	39.46	42.97
		ICC	38.55	4.38	30.60	46.36	40.17	2.97	35.51	46.46
		INC	41.13	3.36	35.74	47.63	39.76	3.41	32.89	47.63
		<i>KM_Overall</i>	40.35	3.02	35.37	45.81	39.04	6.49	35.95	45.69
	PM	BAU	40.51	3.47	31.57	42.55	36.04	13.01	34.61	43.24
		ICC	39.82	4.12	30.22	44.70	38.58	3.16	33.45	41.72
		INC	39.44	3.86	31.38	42.81	39.69	3.58	34.60	45.00
		<i>PM_Overall</i>	39.68	3.46	31.05	43.35	38.10	6.58	34.22	43.32

Legend: W = weight (g)

Table S2. Means data, standard deviation (SD), minimum (Min) and maximum (Max) value of SSC:TA divided by cultivar (Kioto* KM and Pieve* PM), agronomic treatment (Business As Usual – BAU; Innovative diversified system with Natural cover and Compost use – ICC; Innovative diversified system with introduced Cover and Compost use – INC) and years.

Year 2019							Year 2020			
CV	Tr	Mean	SD	Min	Max		Mean	SD	Min	Max
SSC:TA	KM	BAU	0.8	0.0	0.7	0.9	0.7	0.3	0.6	1.1
		ICC	1.1	0.2	0.8	1.4	0.7	0.1	0.5	0.9
		INC	1.0	0.2	0.8	1.3	1.1	0.1	0.9	1.3
	PM	BAU	0.9	0.1	0.7	1.1	0.7	0.3	0.7	0.9
		ICC	1.0	0.2	0.8	1.3	0.8	0.2	0.6	1.0
		INC	1.1	0.2	0.8	1.3	1.0	0.2	0.8	1.2
	Overall means		1.0	0.2	0.8	1.2	0.8	0.2	0.7	1.1

Legend: SSC = soluble solids content; TA = titratable acidity