Table S1. Comparison of quality parameters average in the classes obtained from early parameters

	NDVI								ECa								BN							
	2010				2011				2010				2011				2010				2011			
	A	B	C	P	A	B	C	P	A	B	C	P	A	B	C	P	A	B	C	P	A	B	C	P
Yield (kg)	1.52 b	1.51 b	1.96 a	0.004	1.12	1.33	1.38	0.253	1.64	1.44	1.78	0.164	1.39	1.35	1.21	0.177	1.43 b	1.81 a	1.75 ab	0.048	1.21	1.46	1.34	0.139
BW (g)	1.95 b	1.92 b	2.07 a	0.002	2.03	2.06	2.05	0.917	1.96	1.95	2.01	0.345	2.08	2.06	2.00	0.424	1.92 b	2.05 a	1.98 ab	0.033	2.07	2.04	2.04	0.913
TSS (°Brix)	25.29	25.28	24.93	0.188	24.50 a	23.93 b	23.78 b	0.003	25.39	24.97	25.07	0.185	24.13	23.90	23.88	0.396	25.23	25.03	25.21	0.677	24.15	24.03	23.88	0.379
pH	3.52 a	3.51 a	3.46 b	0.001	3.61 a	3.53 b	3.54 b	<0.001	3.50	3.50	3.49	0.906	3.57	3.53	3.54	0.145	3.52 a	3.47 b	3.50 ab	0.031	3.56	3.56	3.54	0.602
TA (g AT L⁻	3.87 ab	3.70 b	4.00 a	0.018	3.46	3.49	3.57	0.484	3.80	3.82	3.90	0.596	3.56	3.47	3.50	0.707	3.78	3.91	3.87	0.542	3.45	3.56	3.56	0.439
MalA (g L^{-1}	2.84	2.72	2.82	0.383	2.09 a	1.81 b	1.79 b	0.001	2.72	2.83	2.83	0.391	1.94	1.85	1.80	0.212	2.78	2.76	2.82	0.816	1.89	1.85	1.87	0.955
TarA (g L^{-1}	6.29	6.13	6.25	0.058	5.89	5.91	5.94	0.808	6.24	6.10	6.25	0.148	5.98	5.80	5.91	0.073	6.19	6.23	6.23	0.815	5.87	6.03	5.92	0.139
YAN (mg L⁻	120.43	117.81	116.88	0.840	93.68 b	99.93 ab	111.96 a	0.002	123.01	113.36	116.64	0.323	106.02	93.85	107.14	0.109	123.02	115.64	116.60	0.442	97.41 b	115.95 a	104.39 ab	0.022
TAnt (mg L	909.92 ab	950.04 a	837.98 b	0.005	946.44	942.53	915.00	0.462	931.44	885.90	880.89	0.291	935.32	944.10	916.10	0.662	927.81	851.95	910.30	0.129	960.47 a	957.79 ab	898.86 b	0.033
Eant (mg L⁻	354.04	359.60	331.99	0.095	353.97	356.26	331.74	0.114	357.03	351.48	340.75	0.420	349.74	346.73	334.45	0.473	356.36	328.75	355.59	0.094	355.36	339.19	337.65	0.357
TP (mg L^{-1})	1182.64 a	1175.69 a	1094.55 b	0.010	1155.25	1167.79	1125.70	0.391	1169.29	1143.13	1138.47	0.585	1133.71	1185.72	1136.77	0.347	1154.81	1111.16	1172.12	0.184	1183.38	1153.73	1113.80	0.064

	ECa+BN								NDVI+ECa								NDVI+BN								NDVI+ECa+BN							
	2010				2011				2010				2011				2010				2011				2010				2011			
	A	B	C	P	A	B	C	P	A	B	C	P	A	B	C	P	A	B	P	A	B	P	A	B	P	A	B	P
Yield (kg)	1.67 ab	1.49 b	1.93 a	0.043	1.53 a	1.16 b	1.34 ab	0.004	1.64	1.44	1.78	0.510	1.32 ab	1.43 a	1.17 b	0.033	1.90 b	1.90 a	0.012	1.18 b	1.50 a	<0.001	1.51 b	1.80 a	0.029	1.23 b	1.46 a	0.011
BW (g)	1.94 b	1.97 ab	2.06 a	0.028	2.17 a	1.97 b	2.05 ab	0.016	1.96	1.95	2.01	0.495	2.05	2.10	1.99	0.199	1.95 b	2.05 a	0.021	1.99 b	2.13 a	0.007	1.93 b	2.02 a	0.017	1.98 b	2.15 a	0.002
TSS (°Brix)	25.5 a	25.0 ab	24.9 b	0.016	23.7	24.1	24.1	0.186	25.4 a	25.0 b	25.1 b	0.043	24.0	24.1	23.9	0.567	25.2	24.9	0.124	24.2 a	23.8 b	0.048	25.4 b	25.0 a	0.024	24.2 a	23.8 b	0.035
pH	3.50 ab	3.51 a	3.47 b	0.034	3.55	3.55	3.56	0.836	3.50	3.50	3.49	0.993	3.54	3.57	3.54	0.276	3.51 a	3.47 b	0.001	3.57 a	3.53 b	0.040	3.52 a	3.48 b	0.001	3.57 b	3.53 a	0.013
TA (g AT L^{-1})	3.72 b	3.91 ab	4.01 a	0.027	3.75 a	3.42 b	3.48 b	0.004	3.80	3.82	3.90	0.325	3.47	3.57	3.49	0.613	3.78 b	3.99 a	0.032	3.46	3.6	0.088	3.79	3.9	0.229	3.45 b	3.63 a	0.041
MalA (g L^{-1})	2.66	2.94	2.81	0.056	1.97 a	1.76 b	1.92 ab	0.040	2.72 b	2.83 a	2.83 a	0.038	1.88	1.93	1.80	0.266	2.77	2.82	0.575	1.93	1.8	0.073	2.8	2.78	0.747	1.91	1.82	0.202
TarA (g L^{-1})	6.21	6.2	6.25	0.806	6.08 a	5.9 b	5.84 b	0.002	6.24	6.10	6.25	0.196	5.81	5.98	5.91	0.081	6.2	6.25	0.489	5.89	5.97	0.160	6.23	6.21	0.761	5.89	5.97	0.141
YAN (mg L^{-1})	122	114	117	0.370	117 a	104 b	96 b	0.002	123	113	117	0.264	94	107	107	0.077	120	115	0.390	97.2 b	113 a	<0.001	120	117	0.469	99.2 b	112 a	0.009
TAnt (mg L^{-1})	944 a	873 ab	859 b	0.035	876 b	953 a	944 ab	0.025	931	886	881	0.134	948	929	922	0.722	930 a	840 b	0.003	959 a	893 b	0.004	941 a	867 b	0.012	956 a	891 b	0.006
Eant (mg L^{-1})	364 a	342 ab	331 b	0.045	330	351	346	0.377	357	351	341	0.250	348	346	338	0.756	355	337	0.125	358 a	326 b	0.004	368 a	333 b	0.001	355 a	327 b	0.014
TP (mg L^{-1})	1178	1141	1114	0.166	1081 b	1154 ab	1176 ab	0.017	1169	1143	1138	0.205	1185	1127	1143	0.280	1172 a	1107 b	0.021	1169 a	1111 b	0.031	1193 a	1116 b	0.004	1165	1113	0.053

NDVI, Normalized Difference Vegetation Index; BN, Bunches number; Eca, Soil Electric Conductivity; BW, Berry Weight; TSS, Total Soluble Solids; TA, Titratable Acidity; MalA, Malic Acid concentration; TarA, Tartaric Acid concentration; YAN, Yeast Assimilable Nitrogen; TAnt, Total Anthocyanins; EAnt, Extractable; P-value