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Supplementary Material

Differentially Colored Photoselective Nets as a Sophisticated Approach to Improve Agronomic and Fruit Quality Traits of Potted Blueberries

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Table S1. The content of individual types of sugar in the fruit of blueberry cv. 'Duke' grown under differentially colored photoselective nets during the 2022 and 2023 seasons.

	Glucose (g kg^{-1} FW)	**Fructose (g kg^{-1} FW)**	**Sucrose (g kg^{-1} FW)**	**Myoinositol (g kg^{-1} FW)**
		Net color		
Blue	66.63±7.71	71.67±8.14	2.60±1.14	2.80±0.50
Red	64.54±5.07	69.22±5.16	2.18±0.68	2.98±0.62
Pearl	70.01±6.94	75.31±7.12	1.99±0.84	2.73±0.51
Yellow	69.38±5.99	75.39±6.65	1.74±0.63	2.11±0.20
Black	56.94±8.01	60.87±8.08	2.20±0.90	2.17±0.41
Significance	ns	ns	ns	ns
		Year		
2022	78.20±2.69	82.88±3.17	3.75±0.40	3.14±0.33
2023	52.81±2.50	58.10±2.87	0.53±0.07	1.97±0.13
Significance	*	*	*	*
		Interaction		
Blue × 2022	81.37±8.67	86.44±10.29	4.69±1.46	3.77±0.50
Blue × 2023	51.89±2.24	56.89±2.64	0.51±0.06	1.82±0.22
Red × 2022	71.96±2.30	74.76±2.68	3.59±0.52	3.97±0.94
Red × 2023	57.13±8.27	63.68±9.75	0.78±0.3	1.99±0.26
Pearl × 2022	84.33±4.65	89.37±5.94	3.33±1.30	3.21±0.97
Pearl × 2023	55.70±3.81	61.26±4.52	0.65±0.14	2.24±0.32
Yellow × 2022	79.78±7.60	86.12±9.43	3.01±0.61	1.83±0.23
Yellow × 2023	58.98±3.68	64.67±4.13	0.47±0.05	2.40±0.24
Black × 2022	73.54±6.16	77.71±5.99	4.15±0.49	2.93±0.50
Black × 2023	40.34±2.69	44.02±2.65	0.26±0.03	1.40±0.11
Significance	ns	ns	ns	ns

Data are presented as the means (n=3) ± standard error. Different letters within the same column indicate statistically significant differences according to the LSD test at $p \leq 0.05$; ns nonsignificant; * significant effect at $p \leq 0.05$. FW – fresh weight.

Table S2. The content of individual organic acids in the blueberry fruit cultivar ´Duke´ grown under differentially colored photoselective nets during the 2022 and 2023 seasons.

	Citric acid (g kg^{-1} FW)	**Malic acid (g kg^{-1} FW)**	**Tartaric acid (g kg^{-1} FW)**	**Shikimic acid (mg kg^{-1} FW)**	**Fumaric acid (mg kg^{-1} FW)**
			Net color		
Blue	2.27±0.17	1.02±0.09	0.03±0.01	23.46±2.40	0.85±0.06
Red	1.87±0.29	1.07±0.04	0.04±0.01	20.09±2.90	0.95±0.07
Pearl	2.18±0.14	0.97±0.06	0.02±0.01	21.98±1.36	0.87±0.04
Yellow	1.92±0.08	1.07±0.07	0.03±0.01	23.12±1.94	0.82±0.04
Black	2.34±0.19	1.05±0.07	0.03±0.02	22.28±1.57	0.99±0.06
Significance	ns	ns	ns	ns	ns
			Year		
2022	2.24±0.10	1.17±0.02	0.05±0.01	26.08±0.82	0.93±0.04
2023	2.00±0.13	0.90±0.02	0.01±0.00	18.29±0.73	0.86±0.04
Significance	ns	*	*	*	ns
			Interaction		
Blue × 2022	2.20±0.20ab	1.21±0.03	0.06±0.00	28.63±1.04a	0.96±0.08
Blue × 2023	2.34±0.32ab	0.83±0.02	0.00±0.00	18.29±1.03c	0.74±0.05
Red × 2022	2.48±0.20ab	1.15±0.01	0.06±0.00	26.34±1.32ab	0.88±0.06
Red × 2023	1.26±0.15c	0.99±0.06	0.02±0.01	13.84±1.10d	1.02±0.14
Pearl × 2022	2.14±0.20ab	1.08±0.06	0.03±0.02	23.57±2.51b	0.86±0.07
Pearl × 2023	2.23±0.23ab	0.86±0.03	0.01±0.01	20.40±0.67bc	0.88±0.05
Yellow × 2022	1.85±0.05b	1.23±0.03	0.05±0.00	26.85±2.18ab	0.86±0.06
Yellow × 2023	2.00±0.15ab	0.91±0.03	0.00±0.00	19.39±0.37bc	0.79±0.05
Black × 2022	2.54±0.32a	1.20±0.00	0.05±0.03	25.03±1.58ab	1.09±0.09
Black × 2023	2.15±0.19ab	0.90±0.05	0.00±0.00	19.54±1.52bc	0.89±0.04
Significance	*	ns	ns	*	ns

Data are presented as the means (n=3) ± standard error. Different letters within the same column indicate statistically significant differences according to the LSD test at $p \leq 0.05$; ns nonsignificant; * significant effect at $p \leq 0.05$. FW – fresh weight.