

**Table S1.** DPPH radical scavenging activity (%) for different concentrations of fruits extracts in bilberry populations

Population	Concentration				
	10 mg/mL	5 mg/mL	2.5 mg/mL	1.25 mg/mL	0.67 mg/mL
Muntele Mic	84.70±2.23 c <sup>x</sup>	81.40±2.25 c <sup>y</sup>	78.04±2.30 c <sup>z</sup>	73.55±2.20 d <sup>u</sup>	70.47±1.88 c <sup>v</sup>
Raul Lung	87.08±0.57 b <sup>x</sup>	83.08±0.63 b <sup>y</sup>	79.59±0.48 b <sup>z</sup>	76.76±0.37 b <sup>u</sup>	73.51±0.34 a <sup>v</sup>
Semenic	82.60±1.77 d <sup>x</sup>	79.89±2.19 d <sup>y</sup>	77.80±2.23 c <sup>z</sup>	75.19±2.18 c <sup>u</sup>	71.52±1.93 b <sup>v</sup>
Cuntu	81.09±2.08 e <sup>x</sup>	78.54±1.92 e <sup>y</sup>	75.07±1.77 e <sup>z</sup>	72.74±1.92 e <sup>u</sup>	70.46±1.62 c <sup>v</sup>
Sadova Noua	82.69±1.87 d <sup>x</sup>	78.73±2.08 e <sup>y</sup>	75.89±2.73 d <sup>z</sup>	72.84±2.55 e <sup>u</sup>	70.94±2.02 c <sup>v</sup>
Padis	89.22±1.09 a <sup>x</sup>	85.62±1.56 a <sup>y</sup>	81.31±1.85 a <sup>z</sup>	77.81±1.01 a <sup>u</sup>	73.09±0.38 a <sup>v</sup>
Concentration mean	84.57±0.76 X	81.21±0.80 Y	77.95±0.84 Z	74.81±0.77 V	71.66±0.62 U
Ascorbic acid	0.1 mg/mL	0.08 mg/mL	0.06 mg/mL	0.04 mg/mL	0.02 mg/mL
	71.30±0.31	70.76±0.12	62.07±0.27	61.82±0.27	51.49±0.21

Concentrations LSD5% = 0.24; Concentration x population LSD5% = 0.58

Data represents mean ± SE. Different letters (a, b, c, d, e) in the column indicate significant differences ( $p \leq 0.05$ ) between populations. Different superscript letters (x, y, z, u, v) in the row indicate significant differences ( $p \leq 0.05$ ) between concentrations.

Capital letters were used for concentration's means (X, Y, Z, V, U)) comparisons