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Soluble Sugar Composition of *Elaeagnus angustifolia*L. var. *orientalis* (L.) Kuntze (Russian olive) Fruits

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**Abstract:** Soluble sugar composition from ethanolic extract of *Elaeagnus angustifolia*L. (Russian olive) (Elaeagnaceae) collected from six different populations in the Gümüşhane-Bayburt Valley was determined by gas chromatography. In the fruits, fructose and glu-cose were determined to be the major sugars. The analysis showed the occurrence of fructose and glucose in concentrations (w/w) of 32.62-34.60% and 23.37-24.10% (minimum-maximum), respectively. Sucrose was not detected in mature fruits while fruc-tose and glucose were identified as the major sugars among these populations.

**Key Words:** Fructose, glucose, fruit, gas chromatography, *Elaeagnus angustifolia*, Elaeagnaceae.

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