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SEASONAL DYNAMICS OF THE CONTENTS AND COMPONENT COMPOSITION OF *JUNIPERUS COMMUNIS* (CUPRESSACEAE) ESSENTIAL OIL IN THE KOMI REPUBLIC

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SUMMARY

The seasonal dynamics of qualitative and quantitative composition of the essential oil of *Juniperus communis* L., which grows under the canopy of spruce bilberry-sphagnum subzone in middle taiga was determined. 44 components were identified, which constitute 90 % of the composition of the essential oil of juniper. The main part of the essential oil were monoterpenes, alcohol esters and sesquiterpenes take less part. The maximum yield of essential oil is marked in May, during the period of active growth in June—July yield decreased. From August to October, yield of essential oils increased. The seasonal changes were noted in quantitative content of juniper essential oil, that was caused by reutilization of plastic materials and their involvement in the processes of growth of plant organism.

Key words: *Juniperus communis*, shoot, essential oil, seasonal dynamics.