Original article

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Reproduction of Hybrid Forms of Lowbush Blueberry with Lignified Cuttings

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Abstract. *The article presents the results of research on the propagation of blueberry (Vaccinium angustifolium Ait.) by lignified cuttings. For experiments on propagation by lignified cuttings, 2 forms of lowbush blueberries obtained from free pollination of the Putte variety were used – 29-4 and 8-4. It was shown that the rooting rate of cuttings of the studied blueberry forms was quite high (from 67 to 100 %). No clear influence of growth regulators on this result was detected. Transplanted plants survival after autumn-winter period was high enough (80–100 %). The survival rate of those planted on the ridges of the Solonka farm (in May-June) after wintering outdoors one-year old seedlings of blueberry was 100 %.*

Two-year old transplanted plants from lignified cuttings characterized with high rates of growth and development. The positive influence of growth stimulators (zircon, quercetin and kornewin) on these rates was demonstrated. The biggest effect was demonstrated by zircon on form 29-4 and quercetin and zircon on form 8-4.

Key words: *lowbush blueberry, reproduction lignified cuttings, rootability, preservation, stimulants, growth and development*

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