

Original article

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Seed Productivity of *Prunus sargentii* Rehder as an Indicator of the Success of Introduction

Irina Yu. Budilova¹

Elena V. Golosova²

Doctor of Agricultural Sciences

Maxim I. Khomutovskiy³

Candidate of Biological Sciences

Abstract. The results of studies of the fruiting characteristics of *Prunus sargentii* Rehder in the conditions of the Moscow region are presented. It has been established that most plants of the introduced population, which are in a generative state, consistently bloom and bear fruit. The fruit ripening period averages 35–40 days. Despite the different flowering periods of individual trees, the ripening of fruits on them occurs simultaneously. The phenological phases of fruit formation have been studied, an analysis of morphometric parameters and variability of fruit characteristics by weight, length and width are presented. Indicators of seed productivity have been established: potential and real seed productivity, the percentage of flowering, the coefficient of seedification. The stable flowering and fruiting of *P. sargentii* in the conditions of the Moscow region indicates the prospects of the species for its further widespread use in landscaping.

Keywords: *Prunus sargentii*, sakura, fruits, seed productivity, variability of morphological parameters.

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¹ Nikitskiy Botanical Garden – National Scientific Center of the Russian Academy of Sciences, Laboratory of Landscape Architecture and Ethnobotanical Research, Research Engineer (Yalta, Republic of Crimea, Russian Federation), budilova.irina2010@yandex.ru

² St. Petersburg State Forestry Engineering University named after S.M. Kirov, Department of Landscape Architecture, Professor (St. Petersburg, Russian Federation), eastgardens@mail.ru

³ Lomonosov Moscow State University, Department of Ecology and Geography of Plants, Leading Researcher (Moscow, Russian Federation), maks-bsb@yandex.ru