

INSTITUTE OF HORTICULTURE OF NAAS OF UKRAINE

# HORTICULTURE

*INTERDEPARTMENT  
SUBJECT SCIENTIFIC  
COLLECTION*

Founded in 1964

80

KYIV – 2025

ISSN 0558-1125

DOI: 10.35205/0558-1125

UDC 634.1

The compilation contains articles presenting the results of many years of research on variety studies, particularly of apple, cherry, sweet cherry, apricot, gooseberry, plum, sea buckthorn, tuberose, and jasmine. The results of the evaluation of the cultivation of regional and introduced varieties of these crops are presented.

The issue of cultivating high-quality planting material of cherry, sweet cherry, sea buckthorn, strawberry and black chokeberry for the establishment of modern industrial plantations using various propagation methods and technologies is considered.

The current state of genetic resources of fruit crops at the Institute of Horticulture of the NAAS of Ukraine and its network has been analyzed, in particular, the results of studying the genetic diversity at the L.P. Symyrenko Pomology Research Station. Valuable genetic samples of various fruit crops bred by the Institute of Horticulture are presented.

The issue of protecting fruit and berry plantations from diseases and pests is addressed separately. The results of studies on the effectiveness of biopreparations are presented, and the feasibility of using immune varieties to reduce the negative technogenic impact on the environment is substantiated. The results of a comprehensive assessment of the ornamental value of catalpa plants under urban conditions are also presented.

The patented scientific developments in the field of horticulture in Ukraine have been analyzed. The financial aspect is also addressed, in particular, calculations of the cost of establishing fruit, berry, and grape plantations are presented, along with the rationale for state financial support for horticulture and viticulture in Ukraine.

For researchers, postgraduate and doctoral students, university lecturers and students of agricultural higher education institutions, fruit-growing specialists and amateur horticulturists.