

CONTENTS

Vad.V. Abyzov, N.V. Borzykh, A.N. Jushkov, S.A. Malgin, Val.V. Abyzov, D.G. Shornikov Varietal characteristics of strawberry culture's resistance to plumbum nitrate salt	15
Z.A. Avdeeva, E.A. Ivanova, G.R. Mursalimova Resistance of varieties of strawberries genetic collection on the botrytis in terms of the Orenburg region	19
S.D. Aitzhanova, N.V. Andronova Adaptation level of a number of strawberry varieties and selections in the conditions of the Bryansk region	23
S.V. Akimova, I.S. Kovaleva, A.A. Semenova, A.N. Vikulina Influence of 6-BAP concentration and subculturing duration at proliferation stage on primocane raspberry rooting in <i>in vitro</i> culture	27
E.V. Aminova, Z.A. Avdeeva, M.A. Tihonova, E.A. Ivanova, G.R. Mursalimova Economic and biological evaluation of hybrids of red raspberries in the Orenburg region	32
M.I. Antipenko Adaptive varieties of pine strawberry in the conditions of the Samara region	37
A.Yu. Balekin, O.N. Vysotskaya Growth peculiarities of blackberry culture (<i>Rubus</i> L.) Recovery <i>in vitro</i> after cryopreservation	41
S.O. Baturin, S.A. Khapova Pink flowering strawberry (<i>Fragaria 'ananassa</i> Duch.) breeding prospects	45
E.P. Bezukh The influence of planting schemes of winter grafting apple on the growth and yield of seedlings in film greenhouses	49
V.I. Belevtsova The main signs of interspecific hybrids of strawberry	54
I.A. Bjadovskiy Regeneration and development on the early stages of micropropagation of raspberry explants (<i>Rubus idaeus</i> L.) different varieties depending on growth regulators	59
N.S. Vakhrusheva, G.A. Plenkina Winter hardiness of pine strawberry under the conditions of the Kirov region	64
V.A. Vysotskiy Improving of maintenance <i>in vitro</i> technique for valuable genotypes of fruit trees and small fruit plants	69
R.E. Glushankov, V.A. Shevkun, A.Yu. Kulikov The car for landing of wild strawberry garden	74

S.E. Golovin

Main causes of deaths of raspberry plantings in european Russia in 2013-2014 78

S.E. Golovin

Sheath blight and affection of strawberries varieties in the conditions of protected and open ground 85

O.V. Grygorieva, S.V. Klymenko, L.N. Kolysnuk

Drought-resistant spesies *Sambucus* Spp. in the forest-steppe of Ukraine 89

V.A. Gudkovsky, Y.B. Nazarov,**L.V. Kozhina, A.E. Balakirev**

Forecast possibility of preharvest abscission of Melba apples on the content of ethylene in leaves 94

V.A. Gudkovsky, L.V. Kozhina, Y.B. Nazarov

Biological features and possible short-term storage of fruits honeysuckle 99

A.G. Gurin, S.V. Rezvyakova, N.Y. Revin

Yield and mass apple fruits depending on systems with-holding soils and fertilizers on leached chernozem 106

V.I. Donetskich

Study of influence of magnetic pulses to the pine strawberry 113

S.N. Evdokimenko, A.A. Lebedev

Evaluation of parental forms of primocane raspberries on the bush habit 118

E.A. Egorov

The basic results of scientific and technical, production and financial activity of FSBSI NCRRIH&V for the year 2014 122

O.V. Eremina

The test results of the northern varieties of sweet cherries, stored in the genetic diversity of Krymsk Experimental Breeding Station 135

A.S. Zeynalov, K.V. Metlitskaya, T.N. Churilina

Varietal resistance and complex of phytosanitary measures are the main factors of the stability of berry crops agroecosystems 141

E.V. Zuev, L.M. Medvedeva, S.K. Temirbekova,**A.N. Brykova, L.Y. Novikova**

Sources of coarse grain and productivity of spring soft wheat from the gene pool of Research Institute of Plant industry for use in breeding in the central region of Russia 146

V.S. Ilyin

44 years of work with gooseberry at South Urals 151

D.M. Kardanova

Wild species of fruit and berry crops in restoring technogenic lands of Kabardino-Balkaria 155

S.V. Klymenko, L.N. Kolisnyk

The perspective genotypes of black elderberry (*Sambucus nigra* L.) in gene pool of national botanical garden (Kyiv) 159

S.D. Knyazev, O.D. Golyaeva, O.V. Kurashev, O.V. Panfilova, M.A. Shavyrkina	
Currant and gooseberry breeding for resistance to powdery mildew	163
Ye.Yu. Koveshnikova, N.N. Verkhovnaya	
Studies on antioxidant complex in gooseberry varieties	167
I.I. Kozlova	
Evaluation of the quality of planting material of promising varieties of strawberries in the mother plantations of Chernozem zone	172
I.I. Kozlova	
The use of growth and development bio-regulators in the system of formation of agroecosystem productivity of strawberry	176
B.B. Kornilov, E.A. Dolmatov	
Winter hardiness of ornamental forms of apple and pear	180
B.B. Kornilov, E.A. Dolmatov, Z.E. Ozherelyeva	
The results of study of draught and heat resistance of ornamental forms of pip crops (apple, pear) of the All Russian Research Institute of Fruit Crop Breeding gene pool	186
B.B. Kornilov	
The results of study of resistance to diseases of ornamental apple and pear trees of the All Russian Research Institute of Fruit Crop Breeding gene pool	192
A.G. Kuklina, Yu.A. Fedulova	
Breeding of new varieties of chaenomeles	200
V.L. Kulagina, S.N. Evdokimenko, N.V. Mironova	
Breeding evaluation of raspberry yielding and winter hardiness in the conditions of Bryansk region	203
I.M. Kulikov, L.A. Marchenko, A.A. Danilova, E.K. Sashko	
Role of gene pool and importance of I.V. Popova's scientific heritage in the breeding of berry cultures	208
I.V. Kulikov	
Scientific contribution of FSBSI ARHIBAN in the development of agroindustrial complex of the Russian Federation for 2014	212
R.V. Kulyan, F.K. Ivanchenko, D.V. Ksenofontova	
New varieties of <i>Asimina triloba</i> (L.) Dunal for Russian subtropics	223
V. Levon, N. Skrypchenko, Y. Vasiuk	
The antioxidant activity of non-traditional small fruits cultures	228
A.V. Lisina, A.A. Danilova	
Definition of the maturity of fruits of the apple-tree at storage by methods Strife and Jager	232
I.V. Luk'yanchuk, Ye.V. Zhbanova, N.A. Pak	
Estimation of promising strawberry varieties and forms for P-active substances content	237
L.A. Marchenko, A.A. Danilova	
The resistance of strawberry to damaging factors of the winter period	241

O.V. Matushkina, I.N. Pronina, S.A. Matushkin, L.V. Yarmolenko	
Features of <i>in vitro</i> breeding of some berry crops	245
L.I. Natalevich	
The introduction of strawberries in the conditions of the monsoon climate of Sakhalin	250
A.A. Nechaev	
Resources of the actinidia in the Russian far East	256
Z.E. Ozherelieva, O.V. Kurashev, O.V. Panfilova, N.I. Bogomolova, O.D. Golyaeva	
Realization of the potential of berry crop resistance to hyperthermias	261
V.I. Petrova, S.N. Konovalov, V.V. Bobkova, N.N. Sadonina	
Comparative efficiency bio-organic fertilizer and biological preparations for strawberry	266
L.V. Pomyaksheva, S.N. Konovalov, O.F. Khlevnushko	
Biochemical indicators of strawberry cultivated by drip irrigation and fertigation in Moscow region	271
I.V. Popova, N.Yu. Dzhura, A.Yu. Pavlova	
New and perspective varieties of the gooseberry, adaptability to manufacture of reproduction	276
T.G. Prichko, L.D. Chalaja	
The influence of weather conditions on the formation of the sustainability of apple fruit to the development of sunburn during storage	281
A.V. Ryndin	
The 120-th anniversary of the institute – a year of the increased responsibility	293
F.F. Sazonov, I.D. Sazonova	
Evaluation of the black currant rootstock and their progeny plants in the content of soluble dry matter in the fruits	305
M.M. Salikhov, N.B. Sumarokova	
Evaluation of strawberry varieties in the conditions of Vologda region	310
E.K. Sashko	
Innovative sources of economically valuable traits in genetic gooseberries and red currants collections of FSBSI ARHIBAN	316
G.A. Sedysheva, N.G. Gorbacheva, S.A. Melnik	
Structural features of female generative sphere in Priokskoye columnar apple	319
N.A. Semenova, S.V. Akimova, O.N. Aladina	
Siliplant influence on <i>ex vitro</i> honeysuckle growth and development on adaptation stage and following growing	325
V.S. Simonov	
Inheritance nature of winter hardiness in plum hybrid families	330
G.I. Sobolev, N.V. Prohorova, N.V. Makarova, A.N. Dmitrieva	
Adaptive possibilities of actinidia kolomikta in Samara region	335

N.V. Solovykh	
Tissue selection of red raspberry for the salt resistance	339
V.N. Sorokopudov, F.T. Solovyeva	
Integrated rapid evaluation of genetic resources of black currant (message 1)	343
V.N. Sorokopudov, A.E. Solovyeva,	
N.I. Myachikova, I.G. Movchan	
Evaluation of the gene pool in honeysuckle basic consumer properties	351
V.N. Sorokopudov, N.V. Nelasova	
Ascorbic acid in leaves of species of genus <i>Spiraea</i> L. in conditions of the Belgorod area	357
V.G. Tolstoguzova	
About some basic varieties of strawberry breeding by I.V. Popova	362
M.T. Upadyshev, K.V. Metlitskaya,	
A.D. Petrova, K.O. Tikhonova	
Regularities in distribution of malicious viruses in the agrocenoses of raspberry and strawberry	366
M.A. Shavyrkina, E.I. Chekalin, S.D. Knyazev	
Photosynthetic activity estimation of varieties and selective forms of black currant	371
V.A. Shevkun, N.A. Shevkun, A.V. Eschin	
Ways to modernize of sprayer ONZ-600	375
V.V. Yakovenko, V.I. Lapshin	
Gene pool of strawberry and its use in breeding process	379