

Original Articles

- Effects of Soil Type and Soil Treatment on Solubilization of 13 Elements in the Root Zone and their Absorption by Blueberry Bushes**
K. Matsuoka, N. Moritsuka, S. Kusaba and K. Hiraoka 155
- Predicted Effects of Climate Change on Winter Chill Accumulation by Temperate Trees in South Korea**
Y. Park, B. Lee and H.-S. Park 166
- Prevention of New Cork Spot-like Physiological Disorder in 'Kurenainoyume' Apples by Pre-harvest Fruit Bagging**
K. Matsumoto, T. Kobayashi, T. Kougo, T. Fujita, S. Sato and T. Moriguchi 174
- Effects of Planting Time, Irrigation System, Rooting Medium, and IBA Concentration on Cutting Propagation of the Persimmon Dwarfing Rootstock 'MKR1'**
Z. Hejazi, S. Ishimura, C. Honscho and T. Tetsumura 184
- Preventive Effect and Mode of Action of Repetitive Hot Water Spraying against Powdery Mildew in Strawberry**
T. Sato, H. Saito, K. Maejima, K. Kuba, A. Widiastuti and M. Yoshino 193
- Features in Stem Blight Resistance Confirmed in Interspecific Hybrids of *Asparagus officinalis* L. and *Asparagus kiusianus* Makino**
Y. Takeuchi, E. Kakizoe, R. Yoritomi, M. Iwato, A. Kanno, T. Ikeuchi, M. Mori, K. Murakami, A. Uragami, M. Matsumoto, J. Masuda, K. Sakai and Y. Ozaki 200
- Cation Measurements and Gene Expression Analysis Suggest Tomato Leaf Marginal Necrosis is Caused by a Jasmonate Signal Induced by K⁺ Starvation in the Tip Region of Leaflets**
H. Ueno, T. Maeda, N. Katsuyama, Y. Katou, S. Matsuo, K. Yano, A. Ando, K. Nagasuga, M. Yamada and S. Imanishi 206
- Studies for Absorption of Formaldehyde by Using Foliage on Wild Tomato Species**
T. Kobayashi, K. Shiratake and T. Tabuchi 214
- Identification of a Novel Mutant *pAMT* Allele Responsible for Low-pungency and Capsinoid Production in Chili Pepper: Accession 'No. 4034' (*Capsicum chinense*)**
Y. Tanaka, S. Fukuta, S. Koeda, T. Goto, Y. Yoshida and K. Yasuba 222
- Differences in Water and Assimilate Fluxes in Tomato Fruits among Cultivars, and Relationships with Fruit Yield and Soluble Solids Content**
Y. Kawasaki and T. Higashide 229
- Starch Properties Affecting Maltose Production Ability in Vegetable Black Soybean Seeds (Edamame) with Different Maturation Periods**
T. Hirota, S. Yoshida, T. Sawada and Y. Nakamura 236
- Radiocesium Distribution in Soil and *Brassica napus* Grown in Contaminated Soils**
Y. Kanayama, M. Omura, T. Goryo, T. Shigeta, T. Shibuya and Y. Nakai 250
- Characteristics of Floral Scent Compounds in a New Fragrant Petunia Cultivar TX-794 'Evening Scentsation'**
N. Oyama-Okubo, T. Haketa, H. Furuichi and S. Iioka 258
- Development of DNA Markers Linked to Double-Flower and Hortensia Traits in *Hydrangea macrophylla* (Thunb.) Ser.**
T. Waki, M. Kodama, M. Akutsu, K. Namai, M. Iigo, T. Kurokura, T. Yamamoto, K. Nashima, M. Nakayama and M. Yagi 264
- Differences in Vase Lives of Cut Hydrangea Flowers Harvested at Different Developmental Stages**
Y. Kitamura, S. Ueno, H. Aizawa and W. W. Teoh 274
- Nondestructive Detection of Split Pit in Peaches Using an Acoustic Vibration Method**
R. Nakano, H. Akimoto, F. Fukuda, T. Kawai, K. Ushijima, Y. Fukamatsu, Y. Kubo, Y. Fujii, K. Hirano, K. Morinaga and N. Sakurai 281
- Differential Constitution in Promoter Region Leads to a Phenotype with a Lower Allergic Actinidin Level in Yellow-fleshed Kiwifruit (*Actinidia chinensis*)**
Y. Kamiyoshihara, T. Nakamura, Y. Itagaki, S. Asada, T. Aoki, S. Mizuno, K. Watanabe, H. Inoue and A. Tateishi 288

Erratum

- Announcement of Apology**..... 297
- Author Instructions**..... 298