

CONTENTS

[Reports]

1. Current Status of Spinach Harvesting and Processing in Gunma Prefecture and The Field Adaptability of a New Soft-leaf Vegetable Trimming Machine
Hiromi MAEDA, Masaaki HARA, Manami KIMURA, Yuichi KOBAYASHI, Satoshi YAMAMOTO,
Yuta TANIGUCHI, Shoichi NAKATANI, Kou HONMA and Toru SHIBUYA 1
2. Development of a Tomato Seedling Automatic Irrigation System that can be used without Power Sources and Waterworks
Kouichi TAMURA, Masaaki HARA and Hiroto YUMOTO 9
3. Improvement of Fruit Coloring in Grape Cultivar “Aki Queen” through improving The Light Environment
Hideo YUKI, Ayumi OKAMOTO and Yoko NAKANO 17
4. Breeding of New Small-flowered Spray-type Chrysanthemum Cultivar “Konatsu-no-koi (Provisional Name)”
Akemi TAJIMA, Tomohiko KOBAYASHI, Noriyoshi ASAMI and Akihiro CHIGIRA 23
5. Optimum Fertilization and Appropriate Harvest Timing for Paddy Rice Cultivar “Inahokkori (Provisional Name)”
Minami OGAWA, Masayoshi HIROOKA, Ena OKUBO and Yosuke MORI 27

[Short Communications]

1. Effects of Harvest Time on Cracking in The Hollow on The Calyx Side of Fruit of Apple Cultivar “Gunma Meigetsu”
Tomoya ARAKI, Mizuho TAGO and Kazuhiko GOTO 35
2. Physicochemical Properties of The Soil in Konjac Fields in Gunma Prefecture
Nobuyuki KANUMA and Mari OGASAWARA 39

[Submitted Papers]

1. The Effect of Virtually Impermeable Film (VIF) on Suppressing Emission of Soil Fumigant to the Atmosphere and the Effect of Different Plastic Films and Fumigant on Control of Root-knot Nematodes, *Meloidogyne* spp. in Japanese Yam, *Dioscorea opposita*
Yuriko OGURA and Naoyuki SEKIGAMI 41