CONTENTS

[Reports]

1 Development of Grape Shoot Management Equipment Masaoki HARA, Koichi TAMURA, Hideo YUKI and Yoko NAKANO 1

2 Effect of Processing Conditions on the Quality of Steam and Dried Sweet Potato (Hoshi-imo) Satoru ISHIHARA, Miki KAMIYA, and Tomoko SUDA 7

3 Production of Interspecific Hybrid Plants Between *Hydrangea Macrophylla* and *H. luteovenosa* Via Artificial Pollination

Nobuhiro KUDO and Tomohiko KOBAYASH 13

4 A New Triple-duty Lime Sower Capable of Performing High-speed Two-stage Localized Fertilization Kazuhiko MIKUNI, Shigeaki OKAMURA, Kiyotoshi HARUYAMA, Hiromichi ISAKA, Masamoto CHIBA 19

[Short Communications]

1 Ovicidal Effects of Insecticides in Polyphagotarsonemus latus (Banks)

Каоги ҮОКОУАМА 25

2 Effect of Rootstock and Abscisic Acid (ABA) Treatment on Fruit Aroma Compounds of Grape

'Shine Muscat'

Hideo YUKI, Ryohei IWAI, Yoko NAKANO, Takashi KAWAI, Ken HIRANO and Fumio FUKUDA 29

3 Reducing Labor Hours by Introducing Automatic and Remote-control Equipment in Greenhouse

Cucumber

Yuri NAGAHAMA, Hirokazu KUBOTA, Akihisa NARIZUKA and Hiroshi SAKAI 33

[Submitted Papers]

1 Suppressive Effect of Two Fungicides Against Hydrangea Bacterial Spots During Seedling Anagement in Fields

Kentaro IKEDA, Osamu FURUYA and Tomohiko KOBASHI 37

- 2 Insecticidal Efficiency and Hatching Inhibition Effects of Insecticides Blocking Spiracles in Different Amounts against *Tetranychus urticae* (Green Form) and *Tetranychus kanzawai* Kaoru YOKOYAMA, Toru AIZAWA and Kentaro IKEDA 37
- 3 Acaricidal Effects of Various Pesticides on the Spider Mite, *Tetranychus evansi* Baker and Pritchard, of Gunma Prefecture, Japan

Kaoru YOKOYAMA, Toru AIZAWA and Kentaro IKEDA 37

- 4 How to Select Effective Insecticides against *Penthaleus erythrocephalus* Koch Kaoru YOKOYAMA and Toru AIZAWA 38
- 5 Insecticidal Effects and Host Suitability of *Tetranychus urticae* on Sweet Corn in Gunma Prefecture

Kaoru YOKOYAMA and Toru AIZAWA 38

6 Actual Conditions of Soil Physicochemical Properties by Soil Survey of Major Vegetable Fields in Gunma Prefecture

Nobuyuki KANUMA, Keiko SEKIGUCHI and Hiroyuki YAMADA 38