Disease Management (75 ~ 80)

G-75 Effect of Methyl jasmonate, 8-Hydroxyquinoline sulfate and Sucrose for Preventing Decay and Extending Vase Life of Cut Rose Flower. Soh Young Oh, Sun Tae Choi, Department of Agricultural Biology, College of Agriculture and Life Sciences,Chungnam National University, Daejeon 305-764, Korea

This study was conducted to develop preservative solution to prevent decay of petals, caused by *Botrytis cinerea,* and to extend vase life of cut rose flowers. Methyl jasmonate(MJ), a natural growth regulator for preventing the growth of *B. cinerea* was examined in vitro. Also, the effects of MJ on the development of Botrytis disease in cut rose flowers was investigated following either artificial or natural infection. The preservative solution with MJ, Hydroxyquinoline sulfate + sucrose + MJ, was tested to control disease and to increase longevity in various cut rose flower cultivars.

G-76 Development of Disease Incidence Simulation Model of Apple Anthracnose. Jong Han Park, Kyoung Suk Han, Jung Sup Lee, and Han Ik Jang. Div. of Holticultural Environment, National Holticultural Research Institute, RDA, Suwon 441-440

Integrated Fruit Production(IFP) and Good Agricultural Practices(GAP) programs are steadily carrying out worldwide. And technical knowhow of two programs have been required. Apple anthracnose is one of the most important diseases in apple orchards. Therefore, establishment of the disease management system is absolute. To prevent anthracnose disease, periodic chemicals sprays at regular intervals on apple trees have been conducted by farmers. So, there has been no consideration on environmental conditions, which is one of the three main factor in disease incidence. Disease incidence simulation model is essential for plant disease control by environment friendly. We developed disease incidence simulation model for apple anthracnose in relations to temperature and wet periods every hour. The developed model can provide probability of disease incidence based on the temperature and wet periods measured by automatic weather stations(AWS) every hour.