

# Pesticide Residues in Marketed Fruits and Vegetables

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## ABSTRACT

A monitoring program for pesticide residues in marketed fruits and vegetables was performed. A total of 539 fruit and vegetable samples were acquired by the local health bureaus from the supermarkets and traditional markets in central areas of Taiwan. The samples were analyzed by the multi-residue methods, which were promulgated by the Department of Health, to determine 135 items of pesticides. 71 in 408 (17.4%) vegetable samples and 18 in 131 (13.7%) fruit samples were detected with pesticide residues. One (0.3%) vegetable sample and two (1.5%) fruit samples violated the regulation set by the Department of Health. The overall violation rate was 0.6%. Of the samples that violated the regulations, one contained pesticide residue above the tolerance level, and two contained pesticide residues that were not allowed in fruits and vegetables. The local health bureaus have enforced the penalty based on the Food Sanitation Management Act.

Key words: fruit and vegetable, pesticide residue, monitoring

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