

2010。中部地區市售農產品殘留農藥監測。食品藥物研究年報，1: 52-71。

Pesticide Residues of Marketed Agricultural Products in Central Taiwan

CHIH-CHIANG HU¹, PEI-LING SHU¹, HSIAO-CHING LIU¹, WEN-LI CHANG¹,
SHU-MEI TSAI¹, HUEI-JEN TSAI¹, HSIAO-WEN KUO², YI-RONG LIN²,
CHUN-CHIEH SHIH² AND HSIU-KUAN CHOU²

¹Health Bureau, Taichung City Government ²Central Regional Administration

ABSTRACT

A monitoring program for pesticide residues in marketed agricultural products was performed during fiscal year of 2010. A total of 508 samples were acquired thru the Midsection Local Health Bureaus from the supermarkets and traditional markets in Taiwan. The samples were analyzed by the multi-residue methods, which were promulgated by the Department of Health for 202 items of pesticides. Two hundred fourteen (58.3%) in 367 vegetable samples, 41 (59.4%) in 69 fruit samples and 45 (62.5%) in 72 other samples were found to contain pesticide residues. Three hundred and fourteen (85.6%) in 367 vegetable samples, 68 (98.6%) in 69 fruit samples and 68 (94.4%) in 72 other samples complied with the regulation set by the Department of Health. Of the samples that violated the regulations, 7 samples contained pesticide residues above the tolerance levels, 50 samples contained pesticide residues prohibited in those agricultural products category, and 1 sample contained both pesticide residues above the tolerance levels and prohibited. The local governments have enforced the penalties based on the Food Sanitation Management Act.

Key words: agricultural products, pesticide residue, monitoring