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BOOK REVIEW

Studies of the Magnitude and Nature of Pesticide Residues in Stored Products Using Radiotracer Techniques. International Atomic Energy Agency, Vienna 1990, 143 pp, Austria Sch. 460,–

The well-publicized effects of pest-control chemicals on human health and environmental quality have increased public concern in the last three decades. The objective of this publication, based on contributions of a FAO/IAEA Coordination Meeting, held in Turkey, 1988, was to review analytical procedures and radiotracer techniques applied to investigate the presence of unwanted pesticide residues in stored food. As demonstrated, radiotracer techniques have shown to be superior in detecting, identifying and qualifying pesticide residues. Most of the research reported in the 16 contributions deal with the degradation of organophosphorus insecticides, malathion, pirimiphosmethyl and chlorpyriformethyl, and with the presence of fenvalerate, ethylene dibromide, and methyl bromide in a variety of stored commodities, *e.g.* wheat, barley, maize, faba beans etc. The publications include 2 model protocols for the determination of quantities of chemically bound and volatile residues that remain in the treated material. Of interest are Tables presenting data on pesticide residues remaining in agricultural products after various periods of storage.

T. Gichner (Praha)