

ENMARIA – EUROPEAN NETWORK FOR MANAGEMENT OF ARTHROPOD RESISTANCE TO INSECTICIDES AND ACARICIDES

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Insecticide resistance problems have been recognised as an increasing problem in Europe as a consequence of both the accumulation of resistance mechanisms by some species and the greater diversity of arthropods becoming a pest problem. Arthropods of particular concern include public health and livestock pests such as mosquitoes, head lice, houseflies and cockroaches, agricultural and horticultural pests such as lepidoptera, aphids, whiteflies and mites, and coleopteran and mite pests of stored grain.

International collaboration to standardise technology, exchange data, minimise duplication of effort, and co-ordinate resistance management recommendations for Europe as a whole therefore is important. Furthermore initiatives are under way to harmonize approaches for assessing resistance risks and extending management guidelines within a unified EU regulatory framework. To deal with these matters, ENMARIA, a EU-funded Concerted action, has been launched to promote the development and implementation of management strategies for insecticide and acaricide resistance throughout Europe.

ENMARIA involves 15 countries and the agrochemical industry's Insecticide Resistance Action Committee (IRAC). The specific objectives of ENMARIA is for relevant pest species 1) to compile and disseminate information on known or suspected cases of resistance in Europe, and on current research projects, 2) to develop and promote standardised methods for detection and monitoring resistance, 3) to identify and disseminate guidelines for managing resistance in relevant pest species, and 4) to promote collaborative projects between laboratories with mutual research interests and/or complementary expertise.

Involvement in ENMARIA is open to all interested individuals and organisations; further details are available from the main coordinators (details listed above) or from our website with the following address: <http://www.res.bbsrc.ac.uk/enmaria/>