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**MAINTENANCE OF EFFECTIVE FUMIGATION PRACTICE BY
UTILISATION OF ROUTINE MONITORING OF POPULATIONS OF
TARGET PESTS**

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ABSTRACT

Regulation of fumigation doses is an accepted process necessary for registration of a product. This practice, however, has serious shortcomings. The concept of developing a dose that will control all strains of all species in an enclosure in all conditions fails to consider the dynamics involved in each fumigation process. The alternative outlined in this paper suggests that with accurate monitoring of the fumigation parameters, a regular system of testing the susceptibility of sample insects taken from a particular enclosure will provide a far superior result to that which may be dictated on the product label. Concepts described in this paper can be implemented as part of the monitoring system within any IPM plan with particular benefits to fumigations.