

Greek Annual CIPAC/FAO/WHO Report on the Quality Control of Pesticides

2008

Country/Name and Address of the Institution (contact person):

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1 - Essential Information

Reporting period/year:	Number of samples analyzed (1)	Number of non-compliance (2)	Uses (3) (optional)
06/2007-05/2008	95	7	Agricultural use: 90
			Public Health use: 5
			Home and Garden use:
			Other uses (please specify):

(1) Any sample, including those of active inspection and registration control samples.

(2) Non-compliance with FAO/WHO or national pesticide specifications.

The reason of non-compliance: i) The content of active ingredient in five samples were too low (below the limit of FAO specifications)

ii) Two formulations were found to contain toxicological relevant impurities (nitrozamines)

(3) If possible, please indicate the use/destination of the pesticide analyzed. If the pesticide has various uses, it should be included only in one category and should be explained under item 2 (comments).

2 - Any comments and/or background information

- Pesticide formulations containing eight different active ingredients (chlorthal dimethyl, dicamba, lamda-cyhalothrin, quizalofop-ethyl, thiodicarb, spinosad, alpha-cypermethrin, dimethoate) have been included in the authority control in 2007.

- ❑ Pesticide formulations with ethalfluralin as active ingredient were analysed for both active ingredient content and for toxicologically relevant impurities (nitroamine, with GC/MS/MS).
- ❑ The laboratory has been accredited according to ISO 17025 for the analysis of pesticide formulations with both HPLC and GC techniques (final evaluation 2/04/08).
- ❑ Development and validation of LC/MS/MS and GC/MS/MS methods for the determination of residual impurities in pesticide formulations.

3. CIPAC Activities

The laboratory of Chemical Analysis of Pesticides participated (Dr Helen Karasali and Dr G. Balayiannis) in three CIPAC collaborative trials:

- ❑ Mefenpyr-diethyl,
- ❑ fenitrothion and
- ❑ haloxyfop-p-methyl.