

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

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

Czech Republic

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1 - Essential Information

Reporting period/year:	Number of samples analyzed (1)	Number of non-compliance (2)	Uses (3) (optional)
2009	42	12	Agricultural use: 42
			Public Health use: -
			Home and Garden use: included in total,
			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:

3 samples – lower active ingredient content and/or higher impurity content

9 samples – differences in fyz-chem properties with FAO or national pesticide specifications

(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

All 42 samples (29 active ingredients) were analyzed for active ingredient content and their relevant impurities content before and after storage stability test at 54°C, 40°C or 35°C. Samples of EC formulations were analyzed for xylene. All samples represent 8 types of formulations. Physical and chemical properties of samples were tested according to recommendation in FAO specification or national pesticides specification (587 laboratory tests).

3. State Phytosanitary Administration has participated in following collaborative and PT trials

a) CIPAC Activities:

– Dimoxystrobin

b) AAPCO Activities

Successful participation in:

- 2,4-D, 2-ethylhexyl ester
- Mecoprop-p acid
- Dicamba
- Tebuconazole
- Fipronil
- Chlorpyrifos
- Glyphosate acid
- Formaldehyde

4. – Accreditation of laboratory

Department of Laboratory of Pesticides was accredited according to EN ISO/IEC 17025:2005 by Czech accreditation body in May 2008 and received **Certificate of Accreditation**.

8 methods were accredited in 2008 and 7 accredited methods were added in 2009.

Accredited methods in 2009:

- Determination of tebuconazole in EW formulation of plant protection products by GC-FID according to CIPAC 494/EW/(M)/-
- Determination of tebuconazole in FS formulation of plant protection products by GC-FID according to CIPAC 494/FS/(M)/-
- Determination of dicamba in plant protection products by HPLC/UV according to CIPAC 85/SL/(M)/-
- Determination of metamitron in plant protection products by HPLC/UV
- Particle size distribution by laser diffraction according to CIPAC MT 187
- Wet sieve test according to CIPAC MT 167
- Pourability according to CIPAC MT 148 and CIPAC MT 148.1