CIPAC – Recent Developments & Updates of Analytical and Phys/Chem Methods in a Global Network

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CIPAC MT methods:
- Analytical methods for active ingredients
- Phys/Chem methods for formulations

CIPAC methods are used in support of:
- National Registration Data Requirements for Pesticides
- FAO and WHO Specifications for Pesticides
- Enforcement of Quality Standards for Pesticides by the appropriate National Authority

Collaborative Process:
- Request by national authorities, FAO, CIPAC or industry initiates development work in PACS.
- A fully tested method is proposed to CIPAC which initiates a global collaborative test. After evaluation of test results and adoption, the method is published.

Activities on Method Revisions
Pesticide Analytical Committees = PAC
- DAPA – analytical methods
- DAPF – phys/chem methods
- ESPAC – collaborative trials
- JAPAC – collaborative trials

It takes 5-7 years to conduct extensive preliminary work, several mini trials and finally the CIPAC collaborative trial before a method can be proposed for adoption.

Exchanges with other Standard setting Organizations:
- DAPF - ASTM
- OECD

Glossary:
- DAPA – German Speaking PAC for analytical
- DAPF – German Speaking PAC for Phys/Chem
- ESPAC – English Speaking PAC
- JAPAC – Japan PAC
- ASTM – American Society for Testing and Materials
- OECD – Organisation for Economic Co-operation and Development

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Continuous Renewal of Methods

A core element of the CIPAC network is updating and revising analytical and physical methods utilizing modern techniques that provide a greater insight on product quality.

New formulation types are the starting point for CIPAC collaborations with industrial and regulatory experts to propose new or revised methods that are finally approved by the JNMPs Community.

Furthermore, novel application systems in R&D and modern farming practices require updated, accurate and reproducible test methods.

E.g., significant changes in tank mixing and spray liquid preparation in the last 20 years demand updating and reviewing of CIPAC methods.

Therefore, modern farming and CP technologies continuously require a significant effort to review and develop state-of-the-art methods in our global CIPAC network.