

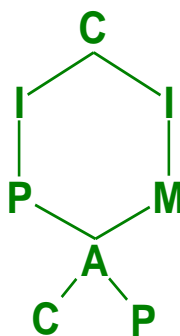
CIPAC

COLLABORATIVE INTERNATIONAL PESTICIDES ANALYTICAL COUNCIL LIMITED

Commission Internationale des Méthodes d'Analyse des Pesticides (CIMAP)

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CIPAC INFORMATION SHEET No. 346

Your Ref:
Our Ref: LB
March 2024

415 bifenthrin + 570 chlorfenapyr + 33 piperonyl butoxide

Dear Colleague,

This is to inform you that the Walloon Agricultural Research Centre (CRA-W) is planning to organise a full scale collaborative trial on a method for bifenthrin + chlorfenapyr + piperonyl butoxide.

Principle: The content of bifenthrin, chlorfenapyr and piperonyl butoxide is determined by capillary gas chromatography on a DB-210 ((50 % trifluoropropyl)-methylpolysiloxane) fused silica column (30 m x 0.25 mm i.d., 0.25 µm film thickness or equivalent) using helium as carrier gas and flame ionization detection. Samples are extracted (at once for all the active ingredients + synergist) by heating at 90 °C with *n*-heptane and quantitation is done by internal standard calibration.

Scope: It is intended to analyse five samples, consisting of five long-lasting (incorporated into polyethylene) insecticide-treated nets (LN), all containing bifenthrin + chlorfenapyr + piperonyl butoxide. Samples, analytical standards and the internal standard (dioctyl phthalate) will be provided.

Time schedule: The collaborative trial is intended to be carried out between March 2024 – May 2024. Those who wish to participate should contact the organiser by 22nd March 2024. The results should be reported by 20th May 2024.

Note: The trial is limited to 15 participating laboratories due to the availability of samples. The selection is based on the application order.

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Yours sincerely,

L. Bura, (secretary)