

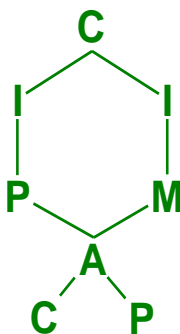
CIPAC

COLLABORATIVE INTERNATIONAL PESTICIDES ANALYTICAL COUNCIL LIMITED

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

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CIPAC INFORMATION SHEET No. 328

Our Ref: LB
May 2021

Discharge Rate of Aerosol Dispenser and Discharge Rate of Trigger Sprayer

Dear Colleague,

This is to inform you that the German speaking working group for plant protection product formulations (DAPF) is planning to organise a collaborative trial on two methods for measuring the discharge rate of aerosol dispensers and of trigger sprayers.

Principle:

The discharge rate of an aerosol dispenser is determined by measuring the quantity of material expelled through the valve in a given time. The discharge rate is determined at different stages of the emptying of the dispenser.

The discharge rate of a trigger sprayer is determined by measuring the weight loss of the trigger sprayer, caused by a defined number of trigger strokes. The discharge rate is calculated by dividing the weight loss by the number of trigger strokes.

Scope: The trial is intended to be done with two different type of aerosol dispensers and two different type of trigger sprayers. One sprayer from each type will be used for testing. Test samples will be provided.

Time schedule: The collaborative trial is intended to be carried out during June - August 2021 (shipment at the beginning of June 2021). Those who wish to participate should contact the organiser by 1st June 2021. The results should be reported by 31st August 2021.

Further information: The trial is limited to a maximum of 10 participants, due to the limited availability of samples. The selection is based on the application order.

A spray collection chamber (e.g. a cardboard box), located in a fume hood is needed.

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Yours sincerely

A handwritten signature in black ink, appearing to read 'L. Bura'.

L. Bura