

## Behavioural Response of *Triatoma infestans* (Klug) (Hemiptera: Reduviidae) to Quinazolines

R.A. Alzogaray<sup>1,4,†</sup>, A. Fontán<sup>1,†</sup>, F. Camps<sup>2</sup>, H. Masuh<sup>1,4</sup>, P. Santo Orihuela<sup>1</sup>, D. Fernández<sup>2</sup>, A. Cork<sup>3</sup> and E. Zerba<sup>1,4,†,\*</sup>

<sup>1</sup> Centro de Investigaciones de Plagas e Insecticidas (CIPEIN-CITEFA/CONICET), J.B. de La Salle 4397, (1603) Villa Martelli, Prov. de Buenos Aires, Argentina. Telefax: (+5411)-4709-5334.

<sup>2</sup> Instituto de Investigaciones Químicas y Ambientales, CSIC Jordi Girona, 18-26, 08034-Barcelona, Spain.

<sup>3</sup> Natural Resources Institute, University of Greenwich, Chatham Maritime, Kent ME4 4TB, United Kingdom.

<sup>4</sup> Escuela de Posgrado, Universidad Nacional de General San Martín, Prov. de Buenos Aires, Argentina.

† Members of the Carrera del Investigador Científico (CONICET).

\* Author to whom correspondence should be addressed; E-mail: [ezerba@citefa.gov](mailto:ezerba@citefa.gov)

Received: 9 November 2004; in revised form: 29 June 2005 / Accepted: 29 June 2005 / Published: 30 September 2005

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**Abstract:** The behavioural responses of the haematophagous bug *Triatoma infestans* towards some previously identified components of its faeces: 4-methylquinazoline, 2,4-dimethylquinazoline and their mixtures were evaluated using a video tracking system. Fifth instar nymphs and females but not males were significantly attracted to polyethylene glycol formulations of 4-methyl + 2,4-dimethylquinazoline (50 µg each). Fifth instar nymphs were also attracted to 4-methylquinazoline alone (50 µg) but females were only attracted by the mixture of both methyl quinazolines (50 µg each). Syntheses of both methyl quinazolines were carried out starting from 2-aminoacetophenone by modifying the conditions of reported procedures.

**Keywords:** 4-Methylquinazoline, 2,4-dimethylquinazoline, aggregation behaviour, *Triatoma infestans*

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