

Antifeedants of Indian Barnyard Millet, *Echinochloa frumentacea* Link, against Brown Planthopper, *Nilaparvata lugens* (Stål)

Chul-Sa Kim*, Kabir Md Alamgir, Sachi Matsumoto, Shin-ichi Tebayashi, and Hen-Sik Koh

Life Chemistry, Faculty of Agriculture, Kochi University, B200 Monobe, Nankoku, 783–8502, Japan. Fax: +81-888-64-51 86. E-mail: cs-kim@kochi-u.ac.jp

* Author for correspondence and reprint requests

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Eight compounds isolated from Indian barnyard millet have been identified as L-malic acid, *trans*-aconitic acid, (+)-isocitric acid, 5-*O*-caffeoylquinic acid, 4-*O*-caffeoylquinic acid, isocarlinoside, 2''-*O*-rhamnosylisoorientin, and 7-*O*-(2''-*O*-glucuronosyl)glucuronosyltricin, respectively. These compounds showed high antifeeding activity against brown planthopper only when they were combined.

Key words: *Nilaparvata lugens*, Antifeedant, *Echinochloa frumentacea*