Sex Pheromone of the Brazilian Apple Leafroller, *Bonagota cranaodes* Meyrick (Lepidoptera, Tortricidae)

Alvaro E. Eiras^{a,*}, Adalecio Kovaleski^b, Evaldo F. Vilela^c, Jean P. Chambon^d, C. Rikard Unelius^e, Anna-Karin Borg-Karlson^e, Ilme Liblikas^e, Raimondas Mozuraitis^e, Marie Bengtsson^f and Peter Witzgall^f

- ^a Departamento de Parasitologia ICB/UFMG, Universidade Federal de Minas Gerais, Cx.P. 486, Belo Horizonte, MG, 31270–901 Brazil. Fax: +55 31 4992970.
 E-mail: alvaro@mono.icb.ufmg.br
- ^b Departamento de Entomología, CNPUV/EMBRAPA, 25200-000, Vacaria, RS, Brazil
- ^c Departamento de Biologia Animal, Universidade Federal de Viçosa, 36.570–000, Viçosa, MG, Brazil
- ^d INRA, Station de Zoologie, 78026 Versailles Cedex, France
- Department of Chemistry Organic, Royal Institute of Technology, 100 44 Stockholm, Sweden
- ^f Department of Plant Protection Sciences, Swedish University of Agricultural Sciences, 230 53 Alnarp, Sweden
- * Author for correspondence and reprint requests

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Sex Pheromone, (3*E*,5*Z*)-3,5-dodecadienyl Acetate, *Bonagota cranaodes*, Brazilian Leaf Roller, Tortricidae

The female sex pheromone of *Bonagota* (=*Phthteochroa*) cranaodes (Meyrick) is a blend of (E,Z)-3,5-dodecadienyl acetate (E3,Z5-12:Ac) and (Z)-9-hexadecenyl acetate (Z9-16:Ac) according to analysis of pheromone – gland extracts and field trapping in apple orchards. This is the first time that E3,Z5-12:Ac has been identified as a lepidopteran sex pheromone. Traps baited with 100 µg E3,Z5-12:Ac were attractive over 15 weeks in the field and were as effective as traps baited with virgin females. Addition of Z9-16:Ac to E3,Z5-12:Ac at ratio of 1:10 had a significantly increase of male moths. The addition of the Z,E and Z,Z isomers to rubber septa baited with E3,Z5-12:Ac did not modify *B. cranaodes* male attraction, but 10% of *EE* enhanced trap catch.