

Fumigation Toxicity Of Essential Oils Against Rhyzopertha

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Fumigation toxicity of three plant essential oils against ...
Many essential oils have been reported to possess fumigant toxicity against *S. oryzae*. Of the many oils tested only those of *Mentha microphylla* , *Asiasarum sieboldi* and *Curum* 50

Fumigation Toxicity of Essential Oil Monoterpenes to ...
Research Article Fumigation Toxicity of Essential Oil Monoterpenes to *Callosobruchus maculatus* (Coleoptera: Chrysomelidae: Bruchinae) OlufunmilayoE.Ajayi, 1.2 ArthurG.Appel, 1 andHenryY.Fadamiro 1 Department of Entomology and Plant Pathology, Auburn University, Funchess Hall, Auburn, AL. - , USA

Fumigation toxicity of essential oils from five species of ...
essential oils tested in concentrated form caused 100% mortality after 24 h. *Geranium* (Egyptian), lemongrass, and tea tree oils caused 95% to 100% mortality after 24 h when diluted 1:50. In light of fumigant toxicity findings, mortality in surface treatment tests can be attributed to the volatility of essential oils.

Fumigant toxicity of plant essential oils against ...
Results show that after 48 h of fumigation the highest and lowest toxicity was related to the *E. microtheca* (LC 50 =11.11 µl/l air) and *E. camaldulensis* (LC 50 =17.49 µl/l air), respectively. It was found that essential oils extracted from *Eucalypts* species could be used as a safe pesticide or model for new synthetic pesticides to control storage pest.

(PDF) Fumigant toxicity of plant essential oils in ...
The most toxic essential oil components to the majority of cockroach stages were cyclic aliphatic hydrocarbons [1,8-cineole, (-)-menthone, ()-?-?-pinene, (-)-?-?-pinene, and S - (-)-limonene]. Ring size and the presence of a carbonyl functional group also may have contributed to the toxicity of the compounds.

Evaluation of fumigant toxicity of essential oils of ...
FUMIGATION TOXICITY OF ESSENTIAL OILS AGAINST *Rhyzopertha dominica* (F.) IN STORED MAIZE GRAIN V. N. SOUZA et al. 436 Rev. Caatinga, Mossoró, v. 29, n. 2, p. 435 – 440, abr. – jun., 2016 INTRODUCTION Maize is very important as it constitutes a staple food for humans and animals, and is the most consumed cereal worldwide.

Fumigation and residual contact toxicity of lemon grass ...
This may be one of a very important limited factor for wider use of EO in grain fumigation. The current price of essential oils on the market and the cost of the fumigation. Currently, EO are sold in different packages containing 5 ml, 14.75 g (1/2 oz) up to 907.2 g (32 oz) and 3780 ml (US gallon).

Comparison of antibacterial effects and fumigant toxicity ...
Fumigation toxicity of three plant essential oils against *Dermestes* spp. larvae. (Coleoptera Dermestidae), a major pest of dried fish in the Tropics Wilane, D.*1, Gueye, S.2, Gueye-N'Diaye, A.#1, Seck, D.2 1Laboratoire d'Entomology et d'Acarology, Department de Biologie Animale, Faculté des Sciences et

In vitro activity of ten essential oils against Sarcoptes ...
Fumigant toxicity of essential oils against pulse beetle, *Callosobruchus maculatus* (F.) (Coleoptera: Bruchidae) C. Sivakumar, S. Chandrasekaran, C. Vijayaraghavan and S. Selvaraj ABSTRACT. India is the largest producer and consumer of pulses and shares 35.20 per cent area and 27.65 per cent of the global production.

Fumigant Toxicity of Essential Oils to Reticulitermes flavipes
The fumigant toxicity of eight essential oil components, 1-8-cineole, carvacrol, eugenol, (?)-menthone, (?)-linalool, S-(?)-limonene, (?)-?-pinene, and (+)-?-pinene, was tested against the cowpea weevil, *Callosobruchus maculatus* (Fabricius) (Coleoptera: Chrysomelidae), at 0.25–60 µL/L air doses. 1-8-Cineole, carvacrol, and eugenol caused complete adult mortality at 10 µL/L air 24 h after treatment. 1-8-Cineole and carvacrol were the most toxic with LD50 values of 0.24 and 0.6 ...

Fumigant toxicity of essential oils and their constituent ...
Fumigant toxicity of plant essential oils in controlling thrips, *Frankliniella schultzei* (thysanoptera: thripidae) and mealybug, *Pseudococcus jackbeardsleyi* (Hemiptera: Pseudococcidae) Data (PDF ...

Fumigant Toxicity of Essential Oils to the German ...
Essential oils have been demonstrated to exhibit fumigant and topical toxicity to a number of arthropods. The aim of the present study was to assess the potential efficacy of ten essential oils against *Sarcoptes scabiei* .

Research Article Fumigation Toxicity of Essential Oil ...
Fumigant toxicity of essential oils extracted from seven plant species against *Sitophilus oryzae* adults. All the data are expressed as means ± SD of three independent experiments. All the data are expressed as means ± SD of three independent experiments.

FUMIGATION TOXICITY OF ESSENTIAL OILS AGAINST Rhyzopertha ...
Fumigant toxicity of plant essential oils against *Camptomyia corticalis* (Diptera: Cecidomyiidae). Kim JR(1), Haribalan P, Son BK, Ahn YJ. Author information: (1)Research Institute for Agriculture and Life Science, Seoul National University, Seoul 151-921, Republic of Korea.

Inhalation Study of the In Vivo Toxicity of Essential Oils ...
The study investigated the fumigation toxicity of medicinal plant essential oils including lemon grass, betel vine, myrtle grass and clove against *Tyrophagus* sp. with an objective of finding a potential alternative methods for pest management.

CHEMICAL COMPOSITION AND FUMIGANT TOXICITY OF ESSENTIAL ...
Essential oils are potential sources of alternative compounds to currently used fumigants. Essential oils have low toxicity to warm-blooded animals, high volatility, and toxicity to stored-grain insect pests (Regnault-Roger et al., 1993; Shaaya et al (1991), Shaaya et al (1997)).

Fumigation Toxicity Of Essential Oils
Evaluation of fumigant toxicity of essential oils of medicinal herbs against *Bemisia tabaci* (Gennadius) (Hemiptera: Aleyrodidae) Xin Chao Liu, Jin Feng Hu, Ligang Zhou and Zhi Long Liu ABSTRACT Essential oils of sixteen Chinese medicinal plants were screened for fumigant toxicity against *Bemisia tabaci*.

The potential use of natural essential oils in the ...
Fumigation toxicity of four plant essential oils on adults of *Tribolium castaneum* (Herbst) and *T. confosum* (Du val) Article (PDF Available) · December 2018 with 219 Reads How we measure 'reads'

Fumigant toxicity of essential oils against pulse beetle ...
Inhalation Study of the In Vivo Toxicity of Essential Oils. Some essential oils used in tobacco products – including cinnamon bark oil, cinnamon leaf oil, and sage oil – have been shown in in vitro studies to be toxic or are believed to possess toxic properties based on scientific literature.

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