Description

Title of Invention

THREE-DIMENSIONAL INSECT CONTROL SHEET FOR CONTROLLING GRAIN-STORAGE INSECT PESTS

Technical Field

[0001]

The present invention relates to a three-dimensional insect control sheet for control of stored grain insect pests.

Background Art

[0002]

Insect pests that occur in houses, buildings, warehouses, plants, and factories and the like, such as sanitary insect pests, nuisance insect pests, wood insect pests, and stored grain insect pests, have been causing an increasing number of kinds of damage. Methods of controlling such insect pests that have been carried out are spraying of an insecticide such as that in the form of an aerosol and a fumigant treatment. In recent years, there has been an increasing demand for an insect control sheet which contains an agent that has an insect control effect. For example, Patent Literature 1 discloses a method of repelling insect pests from a food/beverage container. The method includes: placing, in the food/beverage container, an insect pest repellent sheet

Claims

Claim 1

A three-dimensional insect control sheet having a three-dimensional surface that forms a structure with an irregular profile, the three-dimensional insect control sheet comprising an insect growth regulator, the insect growth regulator being contained at least in a front surface of the three-dimensional insect control sheet,

the front surface being at least part of the structure with the irregular profile, wherein:

the three-dimensional surface has a corrugated structure; and

three-dimensional insect control sheet is targeted at stored grain insect pests.

Claim 2

The three-dimensional insect control sheet as set forth in claim 1, wherein the structure with the irregular profile has a height of 5 mm to 30 mm.

Claim 3

The three-dimensional insect control sheet as set forth in claim 1 or claim 2, further comprising an adhesive layer.

Claim 4

The three-dimensional insect control sheet as set forth in any one of claims 1 to 3, which is targeted at one or two or more stored grain insect pests selected from the group consisting of insects under the family Curculionidae, insects under the family Silvanidae, insects under the family Pyralidae, insects under the family Anobiidae, and insects under the family Tenebrionidae.

Claim 5

The three-dimensional insect control sheet as set forth in any one of claims 1 to 4, wherein the insect growth regulator contains pyriproxyfen as an active ingredient.

Claim 6

The three-dimensional insect control sheet as set forth in any one of claims 1 to 5, wherein the front surface that contains the insect growth regulator is constituted by non-woven polypropylene fabric or non-woven polyethylene terephthalate fabric.