

TABLE 1-continued

| Compounds  | Insect   |
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| trans-3,cis-5-tetra-<br>decadienoic acid   | black carpet beetle<br><i>Attagenus megatoma</i>         |
| cis-7-dodecenyl<br>acetate   | cabbage looper<br><i>Trichoplitha ni</i>                 |
| cis-8-dodecenyl<br>acetate   | oriental fruit moth<br><i>Grapholitha molesta</i>        |
| cis-11-tetradecenyl<br>acetate   | red-banded leaf roller<br><i>Argyrotaenia velutinana</i> |
| cis-9,trans-12-tetra-<br>decadienyl acetate<br>and cis-9-tetra-<br>decenyl acetate | southern armyworm<br><i>Prodenia eridenia</i>            |
| cis-7,8-epoxy-2-<br>methyloctadecane<br>undecanal                                  | gypsy moth<br><i>Porthetria dispar</i>                   |
| undecan-1-al   | greater wax moth<br><i>Galleria mellonella</i>           |
| cis-2-isopropenyl-1-<br>methylcyclo-<br>butaneethanol                              | boll weevil<br><i>Anthonomus grandis</i>                 |
| 1,5-dimethyl-6,8-<br>dioxabicyclo-3,2,1-<br>octane                                 | southern pine beetle<br><i>Dendroctonus frontalis</i>    |
| 2-methylheptadecane  | tiger moths<br><i>Holomelina aurantiaca</i><br>complex   |
| trimedlure   | mediterranean fruit fly<br><i>Ceratitis Capitata</i>     |
| cuelure  | melon fly<br><i>Dacus Cucurbitae</i>                     |
| cis-9-tricosene  | housefly<br><i>Musca domestica</i>                       |

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. An improved device comprising a sloped and porous target area containing an effective dose of a 2-(nitro-methylene)-1,3-thiazine toxicant, wherein the improvement comprises:

- (i) the target area is the top surface of the device, and further is fluid-permeable, self-supporting effective for killing arthropods,
- (ii) the device contains an optional base section, one having no arthropod-containment cavity, whereby

- the target area continuously sheds dead arthropods to prevent occlusion of the target area.
- 2. A device according to claim 1 wherein the toxicant is tetrahydro-2-(nitromethylene)-2H-1,3-thiazine.
- 3. A device according to claim 1 containing a sex attractant.
- 4. A device according to claim 1 containing an insect food.
- 5. A device according to claim 1 employing a grill over the target area.
- 6. A device according to claim 1 having a target area of about 100 cm<sup>2</sup> or greater.
- 7. A device according to claim 1 having a target area sloped down at an angle of at least 30°
- 8. A device according to claim 1 having a base section that comprises wicking material to wick to the target area any fluid contained therein.
- 9. A device according to claim 8 containing fluid in the base section.
- 10. A device according to claim 2 containing an insect food.
- 11. A device according to claim 10 wherein the insect food comprises sugar.
- 12. A device according to claim 2 employing a sex attractant.
- 13. A device according to claim 12 wherein the sex attractant is muscalure.
- 14. A device according to claim 13 having a target area of at least 100 cm<sup>2</sup> sloped down at an angle of at least 30°.
- 15. A device according to claim 14 having a base section that comprises wicking material to wick to the target area any fluid contained therein.
- 16. A device according to claim 15 containing fluid in the base section.
- 17. A device according to claim 1 having no base section, the device adapted for fixation to a surface or suspended.
- 18. A device according to claim 17 designed to be affixed to a surface.
- 19. A device according to claim 18 designed to be adhesively affixed to a surface.
- 20. A device according to claim 17 designed to be suspended.

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