

Insecticidal device that diffusely irradiates blue LD

Effective laser light delivery over a wide area

Overview

Blue light irradiation has been shown to be effective in killing more than 10 species of pests. Previous studies have used light-emitting diodes, but large facilities have had problems with their light intensity.

Therefore, the inventors have developed a device that effectively emits blue laser light as a device that exerts insecticidal effects over a wide area.

(Usefulness)

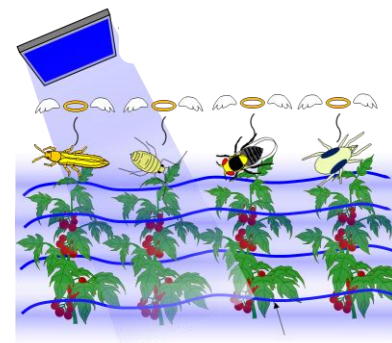
- Safe compared to methods using ultraviolet light to kill insects.
- Suitably designed to kill multiple species and objects at different stages of development.
- At the same time as killing, growth can be promoted by shining a favorable light on plant growth.

Product Application

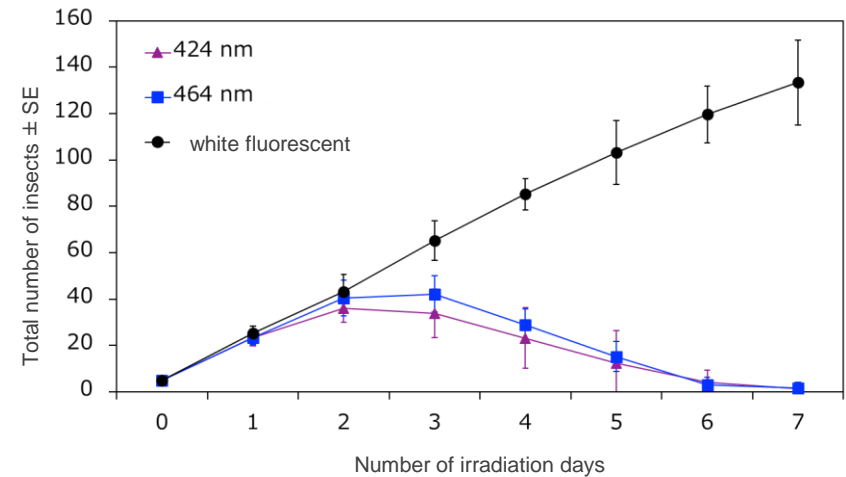
- Pest control in a large facility
e.g. field, factory, sewage treatment plant

IP Data

IP No. : Patent pending
 Inventor : Hori M., Yamamoto K., Fuji H.
 Admin No. : T22-086



Insecticidal and reproductive control effects



Related Works

- [1] Shibuya K, Onodera S, Hori M (2018) PLoS ONE 13(6): e0199266.
- [2] JP6118239 Pest control method and control device

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