

grandlure complete

identification

Common/Trade Names: Boll Weevil Aggregation Pheromone, Grandlure, Luretape.

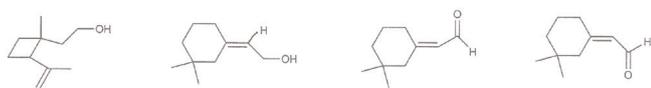
Other Code Numbers: CAS 11104-05-5.

chemistry

Composition: (cis)-1-methyl-2-(1-methylethenyl)cyclobutaneethanol (I), mixture with (Z)-2-(3,3-dimethylcyclohexylidene)-ethanol (II) and Z+E(3,3-dimethylcyclohexylidene)-acetaldehyde(III& IV)(CAS).

Class: Attractant.

Properties: Clear to very pale yellow, slightly viscous liquid with a mild, pleasant odor. Melting point < -40°C. Boiling point 240° (at 760 mm Hg). Vapor pressure N/ A. Specific gravity 0.922 g/ml at 20°C.



action/use

Action: Insect pheromone.

Use: The boll weevil is the target insect. Once male boll weevils locate their host plant, cotton, feeding ensues, and the weevils release their aggregation pheromones to attract additional boll weevils to the aggregation site. Grandlure is used to lure boll weevils into traps.

Formulations: Traps are baited with one-inch square laminated polyvinyl chloride dispensers impregnated with Grandlure.

registration notes

Luretape®.

environmental guidelines

Hazards: To the best of our knowledge, the toxicological effects of this compound have not been fully explored.

Solubility (In Water): <1% at 25°C.

safety guidelines

Toxicity: To the best of our knowledge, the ecological effects of this compound have not been fully explored.

emergency guidelines

Flashpoint: 88°C.

First aid: Eyes: flush with copious amounts of water. Skin: wash with copious amounts of water. Inhalation: remove to fresh air and monitor breathing. If breathing becomes difficult or signs of toxicity exist, consult a physician. Ingestion: dilute by giving 1 to 2 glasses of water. Consult the local poison center and a physician.

Emergency telephone: 1-800-424-9300 (CHEMTREC)

specifications

test	acceptance criteria
description	clear, colorless to light yellow liquid Mild, pleasant odor
identity (IR)	conforms to standard
purity (GC, DB-1 Capillary)	not less than 95%
isomer Content (DB-1 Capillary)	I 30 -35%
	II 35 - 40%
	III 13 -15%
	IV 13 - 15%

regional centers

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