

# PROTECT YOUR PALMS FROM RED PALM WEEVIL (*Rhynchophorus ferrugineus*) RHINO BEETLE (*Rhinoceros oryctes*)



**Harmony Ecotech Private Limited**

(An ISO 9001 : 2015 Certified Company)

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Red Palm Weevil (RPW) - *Rhynchophorus ferrugineus* and Rhinoceros Beetle - *Rhinoceros oryctes* cause maximum damage to various palm trees such as Coconut, Palm oil, Date and Arecanut. They cause heavy damage to every part of the palm trees-be it leaves, branches, stacks or fruits. Their attack can result in healthy palm trees suddenly collapsing causing substantial yield losses. Harmony Ecotech Pvt Ltd offers an extremely effective pheromone based solution to tackle this menace, as detailed below.

### **Pheromone Dispenser / Lure**

**Product Description:** The Pheromone dispenser is in the form of a polymer blister or pouch or vial in which the active ingredient material is filled in.

**Color:** White /off white.

**Materials of Construction:** UV Stabilized polymer.

**Active Ingredient:** 4-methyl, 5-nonanol & 4-methyl, 5-nonanone for RPW and Ethyl, 4-Methyl Octanoate for Rhino Beetle.

**Effective life span in the field:** 60 to 90 days, subject to weather conditions.

**How it works:** Tie and Place the Lure/Dispenser securely held under the Trap cover and place the traps at a height of 1.5 meters from ground level by tying up to the stack of the tree or partially bury the trap in the soil up to just below the level of entry ports on the sides of the bucket. Put some water and jaggery or dates/raw coconut chops in the bucket. As the Active Ingredient is dissipated into the atmosphere, the insects are attracted towards the trap. They fly towards the trap, climb into the trap through the ports ( holes on sides & top) and fall inside into the water , get entrapped and finally drown to death. It is advised to use 1-2 traps per acre for each of the insects separately. For getting improved catch rates, it is advised to use RPW magnet or Kairomone along with each RPW trap.

### **Storage / Safety Precautions & points to be noted**

- ★ Store away from sunlight under refrigerated conditions.
- ★ Do not open the pouches or the plastic bottles until just before using the product in the field and fix the caps tightly back on to the bottles immediately after usage.
- ★ All the materials and components used in the manufacturing process are generally known to be non hazardous to human beings.
- ★ This information is given in good faith and manufacturer assumes no responsibility for any damage that may be caused by using the product to men, machinery and materials.
- ★ **Responsibility for verification, regarding compliance with regulatory requirements, product registrations and patent infringement laws solely lies with the user.**