SHE-Pest

Providing Pesticide with Excellent Performance and Environmental Advantages

SHEPROS SHE-Pest is readily biodegradable and exceptionally mild enhancer. It is based on eco-friendly, renewable and green chemistry raw materials. It is formulated to serve the demand of agriculture market for cost effective, efficacious products that are milder and less harmful to the environment and its inhabitants.

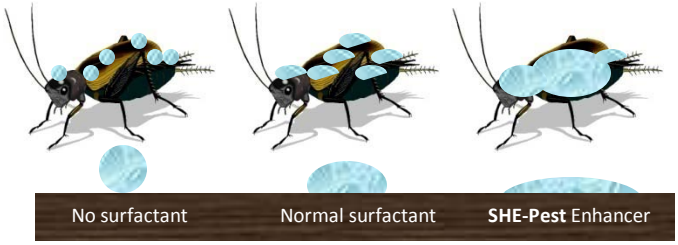
SHEPROS SHE-Pest is an advanced plant based buffering agents of low foaming Nano Alpha-10 and fatty acids. It helps to breakdown waxy cuticle of **larvae and insects** and improves the performance of pesticides.

Advantages

- 100% environment friendly, plant and food based ingredients.
- Less risk of pesticide run-off and soil leaching.
- Effective penetrating.
- Tolerant of high electrolyte tank mix solutions.
- Uniform coverage.
- Reduces foaming.
- Low eye and skin irritancy.
- Cost effective.
- Enhanced systemic activity through non-phytotoxic translocation.

Lower Costs & Environmental Benefits

The increased coverage and improved performance from **SHE-Pest** will require fewer pesticide applications. These result in lower cost and less pesticide usage.



Droplets on insect surface, their surface tension and contact angles.

Nano Alpha 10 will release Nano Biotech Colloidal Micelles (NBCM) to penetrate the cuticle of the insects and dissolves and disrupts the cell membranes and phytoplasm. This destroys the respiratory functions of the insects by disrupting the branching system of tubes, tracheae which connected to spiracles which conduct air from the atmosphere to all living regions of the insect's body.

Low Toxicity and Readily Biodegradable

SHEPROS SHE-Pest exhibits very low human and aquatic toxicity while offering the environmental advantage of being readily biodegradable.

Acute Toxicity Test of Nano Alpha 10

Test Method:
OECD Guideline for Testing of Chemicals Method 203 Fish.

Result:
Not hazardous to the aquatic environment.

Biodegradability Test of Nano Alpha 10

Test Method:
International Standard ISO 10707:1994(E). Evaluation in an aqueous medium of the "ultimate" aerobic biodegradability of organic compounds – Method by analysis of Biochemical Oxygen Demand (Closed bottle test).

Result:
Reach 96% of degradation at day 28 and it is readily biodegradable.

SHEPROS®
Safety, Heath & Environment Product Solutions

Principal Functioning Agents

Proprietary Blend of Nano Alpha-10 and Palm Fatty Acids. 80%
Constituents Ineffective as Adjuvants. 20%
Total 100%

Directions For Use

Label Rate:

Add 400 mL of **SHE-Pest** per 400 - 500 liters of spray mix solution. Do not exceed recommended rate for SHEPLANT PG as it may impede bactericides and pesticides performance.

Mixing Applications:

- Fill spray tank with water for treatment application.
- Always add **SHE-Pest** first before any other chemicals.
- Add the label rate of **SHE-Pest** and agitate until thoroughly mixed.
- Add other pesticides to the mixture and allow for continued agitation.

Handling Precautions:

- Always wear goggles, masks and gloves during application. If eye contact occurs, immediately flush eyes with large amounts of running water. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.
- Avoid prolonged contact with skin. May cause minor skin irritation for sensitive skin. Flush skin with water for approximately 15 minutes while removing contaminated clothing. If irritation persists, see a medical doctor.

Storage:

- Store in dry area.
- Keep away from excess heat or flame.
- Always store in original container.

Packing:

Packing are available in 1 kg, 5 kgs and 25 kgs.

Container Disposal:

- Triple rinse and add rinse to spray tank.
- Dispose of container according to the regulations or state and local authorities.