

Particulars	Vermihume-SL (Liquid)	Vermihume-G (Granules)	Control (Recommended practices only)
Leaf yield (kg/crop/acre)	4320	3960	3240
Single cocoon weight (g)	2.07	2.13	1.83
Total Protein (mg/g)	206.74	210.14	161.75
Additional returns (₹/acre/crop)	4900	5600	-
Benefit–Cost ratio	2.06:1	2.36:1	-

Precautions


- * Store the products in a cool and dry place.
- * Keep the products out of the reach of children.
- * Do not expose the products to direct sunlight.
- * In case of contact with eyes, rinse immediately with clean water and seek medical advice from a physician.



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VERMIHUME

An Eco-friendly Organic product for Enhancing Mulberry Leaf Quality and Productivity



Unique organic products jointly developed by

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Govt. of India, Srirampura, Mysuru-570 008
&

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An Eco-friendly Organic product for Enhancing Mulberry Leaf Quality and Productivity

- * Vermihume is an eco-friendly, soluble liquid and granular organic product derived from vermicompost.
- * It is designed to improve soil fertility, soil health, and organic carbon, thereby enhancing mulberry leaf quality and productivity.
- * Mulberry (*Morus* spp.) is the sole food source of the silkworm, *Bombyx mori* L., and the nutritive quality of mulberry leaves is the primary factor determining the quality of silk produced.
- * Producing high-quality leaves is a major challenge for seri-farmers.
- * Providing Vermihume to mulberry plants paves the way for the production of quality leaves.
- * Research results from the CSB-CSRTI, Mysuru, have confirmed that higher leaf yields are achieved when Vermihume liquid (SL) or granules are given to mulberry plants.
- * Therefore, Seri-farmers can use either Vermihume liquid or granules in mulberry cultivation to increase quality leaf production, produce more silk cocoons, and achieve higher profits.



Method of application

Vermihume SL (Liquid)

- * Vermihume SL is suitable for application through drip system of irrigation.

Quantity: 5 liters per acre per crop.

Preparation: Mix 5 liters of liquid with 200 liters of water.

Method of Use:

- * Operate the drip irrigation for one hour to create moderate moisture around the roots.
- * Inject the liquid solution through the drip irrigation system within 15–20 minutes.
- * After application of the solution, run the drip irrigation again for 10 minutes.

Vermihume G (Granular)

- * Recommended where drip irrigation facilities are not available.
- * **Quantity:** 10 kg per acre per crop.
- * **Preparation:** Mix 10 kg of Vermihume granules thoroughly with 100 kg of farmyard manure (FYM).

Method of Use:

- * Apply the Vermihume mixed with FYM to the root zone of the plant and incorporate it well into the soil.
- * Ensure sufficient soil moisture after application.



Advantages of Vermihume

- * Stimulates crop growth and increases leaf yield up to 22%.
- * Improves leaf quality with 28–30% higher protein content
- * Enhances soil fertility through two-fold increase in microbial activity and soil organic carbon.
- * Improves cocoon quality and silk productivity
- * Increases cocoon yield up to 13 % resulting in higher profits.
- * Acts as an effective and eco-friendly alternative to existing technologies



Preparation of solution



Field application through drip system



Application of Vermihume G