

BIOLOGICAL PRODUCTS

SAFE & EFFECTIVE TREATMENT FOR GUMMOSIS & STEM BORERS

PVEX biological solutions apply HOCl electrochemically activated technology to safely and effectively treat gummosis, bark cracks, and stem borers—without harming trees.

Key Advantages:

- **Strong antifungal activity** against Phytophthora.
- **Eliminates stem and branch borers** by sealing breathing holes.
- **No bark scraping required**, reducing plant stress.
- **Fast healing and recovery**, visible after 1–2 applications.
- **Plant-safe and environmentally friendly.**



GUMMOSIS & BORERS: A SERIOUS THREAT TO YOUR CROPS?



***Direct Spray – No Bark Scraping
Effective After 1–2 Applications***

- Strong antifungal activity against *Phytophthora* sp., preventing gum exudation.
- Effectively controls branch borers and stem borers by blocking their breathing holes.
- Heals tissue, protects wounds, and promotes rapid recovery.
- Strengthens resistance, reduces reinfection and spread.
- Especially effective on citrus and tropical fruit trees (durian, pomelo, jackfruit, etc.).

PV - ANTIGUM

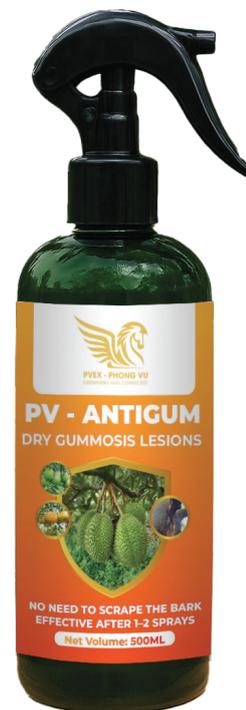
Liquid

INGREDIENTS:

- Electrochemically activated solution:
 - Hypochlorous Acid (HOCl)
 - Oxidation-reduction potential: 300-400 mV
- Organic foaming agent: $C_{12}H_{25}O(CH_2CH_2O)_4SO_3Na$
- Additives and solvent in sufficient quantity
- Specific gravity: 1.001
- pH: 3-5

BENEFITS:

- Eliminates fungi causing gummosis on plant stems.
- Quickly dries lesions, prevents gum exudation caused by *Phytophthora* sp. and branch borers.
- Regenerates plant tissue at infected sites, promoting wound healing and rapid recovery.
- Strengthens resistance and protects the root system.
- Applicable to many crops, especially effective on citrus and tropical fruits such as durian, pomelo, and jackfruit.



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BENEFITS:

- Quickly eliminates branch and stem borers by forming a film that blocks breathing holes.
- Creates a protective layer over open wounds, limiting the invasion and development of fungi and bacteria.
- Controls harmful insects on branches, reducing gummosis spread.
- Promotes rapid plant recovery, minimizes weakness, and enhances resistance.
- No bark scraping required – safe, convenient, and less damaging.
- Visible results after 1-2 sprays, saving time and cost.

