PONALAB BIOGROWTH PVT LTD

Tea Crop Management & Protection Schedule (1 Acre)

1. MAJOR DISEASES & PESTS IN TEA

Disease/Pest Name	Main Symptoms & Field Identification	Recommended Ponalab Product & Dosage
Blister Blight *(Exobasidium vexans)*	Translucent pale yellow spots on young leaves; white powdery, blister-like depressions forming underneath, causing crop loss in plucking surface.	• **Trivikram:** 1 kg/acre • **Chaitanya 24:** 2 g/L
Tea Mosquito Bug (TMB) *(Helopeltis theivora)*	Feeding punctures on tender leaves and buds leading to dark brown necrosed spots, leaf curling, shot-holes, and drying of shoots.	• **Yuktava:** 3 ml/L • **Trishakthi:** 3 ml/L
Red Spider Mite & Thrips *(Oligonychus coffeae / Scirtothrips)*	Copperish reddish-brown discoloration of mature leaves along veins; thrips cause sand-paper lines on undersides of flush.	• **Yuktava :** 3 ml/L • **Trishakthi:** 3 ml/L
Black Root Rot / Charcoal Stump Rot *(Rosellinia / Ustulina)*	Gradual wilting, defoliation, black mycelial mats or star-scale crusts on root crown under soil surface.	• **Trivikram:** 100 g/bush (Root drenching) • **Chaitanya 24:** 100 g/bush (Root drenching)

2. STAGE-WISE CROP NUTRITION & SPRAY SCHEDULE

Crop Stage	Timing / Season	Ponalab Product Solution	Application Rate & Method
Pruning & Skiffing Recovery	Post-Prune / Pre-Monsoon	Trivikram + Ponaplus	Spray frames after pruning to protect wounds from fungal pathogens and stimulate quick callousing.
Spring Flush (First Plucking Peak)	March – April	Raheel / Bhumiras 22 + Pomus17	**Raheel:** 500 ml/acre via soil/drip. **Pomus17:** 3 ml/L foliar spray for vegetative shoot density.
Monsoon Protection & Blight Wash	June – August	PMC + Trivikram	Apply **PMC** every 20–25 days across the plucking table to prevent Blister Blight outbreaks.
Autumn Flush & Quality Growth	September – November	Powermix + Pona Potash	**Powermix:** 5-10g/L via soil. **Pona Potash:** 5 g/L spray to boost green leaf dry weight and quality.

3. SPECIFIC APPLICATION GUIDELINES

Plucking Table Blight Spray
Spray PMC thoroughly on tender, young plucking shoots during wet overcast conditions to block Exobasidium spore germination.

TMB & Mite Management
Alternate sprays of Trishakthi, Brutus, and yuktava targeting early morning or late afternoon for active pest control.

Root Crown Drenching
Drench diseased patches and surrounding collar frames with Trivikram (50 g/bush) to stop root rot spread.

4. KEY BEST PRACTICES FOR HIGH TEA LEAF YIELD & QUALITY

- **Plucking Table Health:** Maintain regular plucking rounds (7–10 days). Overgrown shoots encourage Blister Blight accumulation and Tea Mosquito Bug shelter.
- **Post-Pruning Frame Hygiene:** Spray Trivikram immediately after pruning/skiffing to prevent dieback and collar rot infections on freshly cut wood.
- **Biological Pest Management:** Apply Yuktava or Trishakthi early in the flush wave to control sucking pests without leaving synthetic chemical residues on harvestable green leaves.
- **Soil Health & Microbes:** Incorporate Jeeva Granules with organic compost during soil collar ring application to improve feeder root mass and drought resilience.
- **Safety & Tank-Mix Precaution:** Do not tank-mix biological formulations with copper-based fungicides or harsh chemical insecticides. Always perform a jar compatibility test first.

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