PONALAB BIOGROWTH PVT LTD

# Arecanut Crop Management & Disease Protection Schedule (1 Acre)

## 1. MAJOR DISEASES & PESTS IN ARECANUT

| Disease/Pest Name | Main Symptoms & Field Identification | Recommended Ponalab Product & Dosage |
|---|---|---|
| **Koleroga / Fruit Rot** *(Phytophthora meadii)* | Dark water-soaked lesions on tender nuts, rotting, foul odor, and heavy dropping of green nuts during heavy rains. | • **Trivikram:** 50–100 g/palm (Root drenching)<br>• **PMC:** 2 kg/acre (Prophylactic spray)<br>• **Chaitanya 24:** 20 g/palm |
| **Anabe Roga / Foot Rot** *(Ganoderma lucidum)* | Yellowing of outer fronds, stem bleeding near base, bracket fungus formation, root rot, and eventual death. | • **Trivikram:** 100 g/palm (Root drenching)<br>• **PMC:** 2 kg/acre (Prophylactic spray)<br>• **Chaitanya 24:** 20 g/palm |
| **Yellow Leaf Disease (YLD)** *(Phytoplasma)* | Yellowing of middle leaves, dark green streaks along leaf veins, core rotting, and severe drop in nut production. | • **Raheel / Bhumiras 22:** 3 ml/L (Drip)<br>• **Powermix:** 20g/palm (depans on the age of the plant)<br>• **PMC:** 2kg/acre (Foliar) |
| **Pentatomid Bug & White Mites** *(Halyomorpha / Mites)* | Sucking sap from tender tender nuts resulting in kernel discoloration, cracking, and premature nut shedding. | • **Yuktava:** 3 ml/L<br>• **Trishakthi:** 3 ml/L (Crown spray)<br>• **Brutus:** 3 ml/L |

## 2. STAGE-WISE CROP NUTRITION & APPLICATION SCHEDULE

| Crop Stage | Timing / Season | Ponalab Product Solution | Application Rate & Method |
|---|---|---|---|
| **Pre-Monsoon Protection** | May – June | Trivikram + PMC + Jeeva Granules | Apply **Jeeva Granules** in basins and spray **PMC** on crowns as pre-monsoon preventative. |
| **Monsoon Season Drenching** | July – August | Trivikram + Chaitanya 24 | Root drenching with **Trivikram** around palm base to combat Koleroga and Foot Rot during peak rains. |
| **Post-Monsoon Nutrition** | September – October | NPK Consortia + Raheel / Bhumiras 22 | Apply **NPK Consortia** to boost soil health, followed by **Raheel** via drip/drenching for root growth. |

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|---|---|---|---|
| **Nut Development & Maturity** | November – January | Powermix + Pona Potash | Spray **Pona Potash** (5 ml/L) and **Powermix** (20 g/palm) to enhance nut size, weight, and dry weight. |

## 3. SPECIFIC APPLICATION GUIDELINES

**Pre-Monsoon Crown Wash**
Spray crowns with PMC prior to monsoon rains to shield bunch bases and leaves against Phytophthora spores.

**Root Basin Drenching**
Drench standard palm basins with Trivikram (50–100 g/palm) in 3–5 liters of water to manage root rots and Ganoderma.

**Nut Weight & Filling Spray**
Spray Pona Potash during active nut maturation to increase kernel size, weight, and overall processing yield.

## 4. KEY BEST PRACTICES FOR HIGH ARECANUT YIELD

- **Phytophthora Control:** Timely pre-monsoon application of PMC and post-monsoon soil drenching with Trivikram is essential to prevent Koleroga nut dropping.
- **Drainage & Basin Management:** Maintain proper field drainage ditches between palm rows during heavy rains to prevent waterlogging and root rot.
- **Soil Health & Microbes:** Incorporate Jeeva Granules with organic manure during pre-monsoon and post-monsoon cycles to enrich soil microbial activity.
- **Nutrient Balance:** Ensure split applications of NPK Consortia and regular foliar feeding with Powermix to prevent Yellow Leaf Disease symptoms and maintain foliage vigor.

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