PONALAB BIOGROWTH PVT LTD

Pomegranate Crop Management & Disease Protection Schedule (1 Acre)

1. MAJOR DISEASES & PESTS IN POMEGRANATE

DISEASE / PEST NAME	MAIN SYMPTOMS & FIELD IDENTIFICATION	RECOMMENDED PONALAB PRODUCT & DOSAGE
Bacterial Blight / Telya *(Xanthomonas axonopodis)*	Water-soaked oily spots on leaves, dark L-shaped cracking on fruits, stem cankers.	• Chaitanya 24: 1 kg/acre (Root/Soil) • Trivikram: 1 kg/acre drenching • PMC: 2 kg/acre foliar wash
Wilt Complex & Root Rot *(Ceratocystis / Fusarium)*	Yellowing of leaves on individual branches, rapid drying, trunk browning, root decay.	• Trivikram: 2 kg/acre (Soil drenching) • Nemarazer: 2 kg/acre (if nematodes present) • Bhumiras 22: 500 ml/acre
Thrips, Fruit Borer & Shot Hole Borer	Scabbing/russeting on fruit rind, bored holes with frass, pinholes on main trunk.	• Yuktava: 3 ml/L • Trishakthi: 5g/L • Brutus: 3ml/L
Root-Knot Nematodes	Galls on feeder roots, plant stunting, high vulnerability to fungal wilt complex.	• Nemarazer: 2–3 kg/acre • Sowmyaa: 1 L/acre (Drip)

2. STAGE-WISE CROP NUTRITION & SPRAY SCHEDULE

CROP STAGE / BAHAR TIMING	BAHAR PERIOD	PONALAB PRODUCT SOLUTION	APPLICATION RATE & METHOD
Bahar Treatment & Pruning	Rest Period / Basal	NPK Consortia, Trivikram, Jeeva Granules	• NPK Consortia: 1–2 kg/acre • Jeeva Granules: 10 kg/acre in basin
New Flush & Defoliation	15–30 Days Post-Water	Raheel / Bhumiras 22, Ponaplus	• Raheel / Bhumiras 22: 500 ml/acre • Ponaplus: 3–5 ml/L
Flowering & Fruit Set	45–75 Days Post-Water	PMC, Pomus17, Micronutrients	• PMC: 2 kg/acre • Pomus17: 2–3 ml/L • Add Boron & Calcium Nitrate
Fruit Dev. & Marble Stage	80–120 Days	Powermix, PMC, Pona Booster	• Powermix: 2 kg/acre • Pona Booster: 2 g/L spray • PMC: 2 kg/acre
Maturity & Harvesting	130–160 Days	Pona Potash, PMC	• Pona Potash: 5 g/L spray 20 days prior • PMC: 2 kg/acre

3. DRIP & FOLIAR APPLICATION GUIDELINES

ORCHARD DRIP DOSING

Raheel 1 Litre / Acre
Interval: Every 20 days throughout active Bahar cycle and fruit expansion.

FOLIAR SPRAYING

Every 15–20 Days
Alternate PMC & Pomus17 to protect flush, blooms & fruit skin integrity.

PRE-HARVEST DOSE

Pona Potash @ 5g/L
Apply 20–30 days prior to harvest to enhance aril color, sugar content & rind luster.

4. KEY BEST PRACTICES FOR DISEASE-FREE POMEGRANATE ORCHARD

Cultural & Disease Prevention Practices:

- **Bacterial Blight (Telya) Management:** Prune infected twigs and paste cut ends. Apply *Chaitanya 24* (1–2 kg/acre) via drip and spray *Trivikram / PMC* regularly during high-humidity monsoons.
- **Wilt Complex Control:** Drench *Trivikram* (2 kg/acre) combined with *Bhumiras 22* (500 ml/acre) at the base of trees showing early branch wilting.
- **Root & Soil Health:** Incorporate *Jeeva Granules* @ 10 kg/acre in tree basins during Bahar ground preparation to strengthen feeder roots.
- **Fruit Cracking & Blossom Drop:** Maintain consistent soil moisture. Apply Calcium Nitrate, Boron, and *Pomus17* (2–3 ml/L) during marble to lemon stage to prevent fruit rind cracking.
- **Thrips & Fruit Scabbing Management:** Spray *Yuktava* (2–3 ml/L) or *Trishakthi* (2 ml/L) at petal fall to protect tender fruits from thrips scabbing.
- **Aril Color & Shelf Life:** Spray *Pona Potash* @ 5 g/L during fruit color development to boost deep red aril color, juice percentage, and post-harvest transport quality.

Safety & Tank-Mix Precaution:

Do NOT mix Powermix with harsh synthetic pesticides or copper-based chemical products. Always conduct a jar compatibility test before tank mixing.

5. CORPORATE CONTACT & SUPPORT DETAILS

Ponalab Biogrowth Private Limited
Karn Nagalaxmi Towers, #1029, 20th Main Road
5th Block, Rajajinagar, Bengaluru, Karnataka – 560010

Customer Support & Technical Queries:
Phone: +91 9900874433
Website: **https://ponaglobal.com/**