PONALAB BIOGROWTH PVT LTD

Mango Crop Management Schedule - Comprehensive 1 Acre Guide

STANDARD 1 ACRE DOSING

1. ROOT ZONE, DRIP & SOIL APPLICATION SCHEDULE

Crop Stage / Timing	Timing / Month	Recommended Ponalab Product	Application Rate & Method
Post-Harvest / Soil Prep (Pruning & Basin Prep)	July - August (Post Monsoon)	NPK Consortia, Trivikram, Chaitanya 24, Jeeva Granules	• NPK/Bio: 1-2 kg/acre • Jeeva Granules: 10 kg/acre (Soil/Basin) • Trivikram: 1 kg/acre
Vegetative & Dormancy (Shoot & Root Dev.)	September - November	Raheel / Bhumiras & PMC, Ponaplus	• Raheel / Bhumiras 12: 500 ml/acre or 2-3 ml/L • PMC: 2 kg/acre • Ponaplus: 5 ml/L
Pre-Flowering Stage (Bud Differentiation)	December - January	PMC, Pomus17, Micronutrients	• PMC: 2 kg/acre • Pomus17: 3 ml/L • Micronutrients : 2kg/acre
Flowering Stage (Full Bloom to Setting)	February - March	Powermix, Raheel, Pomus17, Ponaplus	• Powermix : 2 kg/acre • Pomus17/Raheel: 3 ml/L • Ponaplus: 5 ml/L
Fruiting & Harvest Stage (Fruit Marble to Maturity)	April - June	Powermix, PMC, Pona Potash	• Pona Potash: 5 g/L (Apply prior to fruit growth spurts) • PMC: 2 kg/acre

2. APPLICATION INTERVALS & DRIP GUIDELINES

DRIP APPLICATION
Raheel 1 Litre / Acre
Interval: Once every 20 days during active growth & fruit development.

FOLIAR SPRAYING
Every 20 Days
Alternate PMC & Pomus17 to protect flush and inflorescence.

PRE-HARVEST DOSE
Pona Potash @ 5g/L
Spray 20-30 days prior to harvest to maximize fruit weight, color & TSS.

3. PEST & DISEASE MANAGEMENT OPTIONS

Target Pest / Issue	Ponalab Option	Dose & Application Guidance
Mango Hoppers, Thrips, Mealybugs & Sucking Pests	Nauvvo, Yuktava (Botanical Extract) / Yellow & Sticky Traps	• Nauvvo: 1.5 ml/L • Yuktava: 2-3 ml/L
Fruit Fly, Stem Borer & Caterpillar / Shoot Borer	Trishakthi, Yuktava, Brutus (Bacillus thuringiensis)	• Trishakthi: 2-3 ml/L • Brutus: As per label instructions
Powdery Mildew, Anthracnose & Dieback Diseases	Trivikram, Chaitanya	• 1-2 kg/acre each via soil basin or foliar wash

4. DETAILED APPLICATION NOTES & BEST PRACTICES

Important Growth & Soil Guidance:

- **Jeeva Granules:** Apply 10 kg/acre directly into orchard tree basins during post-harvest cleaning and soil tillage to establish strong mycorrhizal & beneficial bacterial colonies.
- **Micronutrient Boost (Pre-Flowering):** Integrate Boron, Zinc Sulphate, and Magnesium Sulphate via soil ring application or drip prior to bud break to prevent panicle malformation and enhance pollen viability.
- **Fruit Development & Harvesting:** Spray Pona Potash @ 5 g/L combined with water during pea-stage and marble-stage of fruit development to enhance fruit skin luster, weight, aroma, and shelf life.
- **Regular Foliar Spray Routine:** Maintain a 20-day spraying cycle with Ranjay 35 (2 g/L) and Pomus17 (2 ml/L) throughout vegetative shoot emergence to build immunity against powdery mildew and anthracnose.
- **Raheel:** Apply every 20–30 days via soil drenching or drip to stimulate active feeder root extension and preserve uniform flowering intensity.
- **Root & Soil Pathogen Control:** Apply Nemarazer at 2-3 kg per acre near the feeder root zone during post-monsoon soil cultivation to restrict root nematodes and wilt-causing fungi.
- **PMC Application:** Apply 2 kg per acre once every 30-45 days to enhance canopy vigor and overall orchard productivity.

Safety & Compatibility Caution:

Do NOT mix Powermix with any synthetic chemical pesticides or high-copper biological products. Always perform a jar compatibility test before tank-mixing new agricultural inputs. Avoid foliar sprays during peak sunlight hours or full bloom to protect pollinator activity.

5. CORPORATE CONTACT & SUPPORT DETAILS

Ponalab Biogrowth Private Limited

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