PONALAB BIOGROWTH PVT LTD

Sweet Orange (Mosambi) Crop Management Schedule - Comprehensive 1 Acre Guide

STANDARD 1 ACRE DOSING

1. ROOT ZONE, DRIP & SOIL APPLICATION SCHEDULE

Crop Stage / Timing	Bahar / Timing	Recommended Ponalab Product	Application Rate & Method
Bahar Treatment / Soil Prep (Pruning & Root Exposure)	Prior to Irrigation / Stress Release	NPK Consortia, Trivikram, Chaitanya 24, Jeeva Granules	• NPK/Bio: 1-2 kg/acre • Jeeva Granules: 8-10 kg/acre (Tree Basin) • Trivikram: 1 kg/acre
Vegetative Shoot Flush (Post Stress / New Leaf Flush)	15 - 30 Days After First Irrigation	Raheel / Bhumiras 12 & PMC, Ponaplus	• Raheel / Bhumiras 12: 500 ml/acre or 2-3 ml/L • PMC: 2 kg/acre • Ponaplus: 5 ml/L
Flowering & Fruit Set (Bud Break to Pea Stage)	30 - 60 Days After First Irrigation	Pona potash, Pomus17, Micronutrients	• Pona potash: 5 g/L • Pomus17: 2 ml/L • Micronutrients : 5g / plant
Fruit Development Stage (Marble to Golf Ball Size)	90 - 150 Days After First Irrigation	Powermix, Raheel, Pomus17, Ponaplus	• Powermix : 5g/plant • Pomus17: 3-5 ml/L • Ponaplus: 3-5 ml/L
Fruit Maturity & Harvest (Color Break & Juice Filling)	180 - 240 Days After First Irrigation	Powermix, PMC, Pona Potash	• Pona Potash: 5 g/L (Apply prior to harvest cycles) • PMC: 2 kg/acre

2. APPLICATION INTERVALS & DRIP GUIDELINES

DRIP APPLICATION
Raheel 1 Litre/ Acre
Every 20 Days for active shoot growth & fruit enlargement.

FOLIAR SPRAYING
Every 20 Days
Alternate PMC & Pomus17 for leaf flush vigor and pest resilience.

PRE-HARVEST SPRAY DOSE
Pona Potash @ 5g/L
Spray 30 days before harvest to build juice sweetness (Brix), skin luster & shelf life.

3. PEST & DISEASE MANAGEMENT OPTIONS

Target Pest / Issue	Ponalab Option	Dose & Application Guidance
Citrus Psylla, Leaf Miner, Aphids, Mites & Thrips	Nauvvo, Yuktava (Botanical Extract) / Sticky Traps	• Nauvvo: 1.5 ml/L • Yuktava: 2-3 ml/L
Fruit Fly, Fruit Sucking Moth & Lemon Butterfly Caterpillar	Trishakthi, Yuktava, Brutus (Bacillus thuringiensis)	• Trishakthi: 2-3 ml/L • Brutus: As per label instructions
Phytophthora Gummosis, Root Rot,	Trivikram, Chaitanya	• 1-2 kg/acre via soil basin

4. DETAILED APPLICATION NOTES & BEST PRACTICES

Important Growth & Soil Guidance:

- **Jeeva Granules:** Apply 8–10 kg/acre around tree drip lines during Bahar treatment / soil loosening to establish beneficial root microflora and promote soil organic carbon.
- **Micronutrient Boost (Pre-Bloom to Fruit Set):** Foliar application of Zinc Sulphate, Boron, and Magnesium Sulphate prior to flower bud break reduces flower/fruit drop and prevents citrus leaf chlorosis.
- **Fruit Quality & Maturity:** Spray Pona Potash @ 5 g/L with water during marble and golf-ball development stages to enhance rind quality, reduce fruit cracking, and raise juice sugar content (Brix).
- **Regular Foliar Spray Routine:** Maintain a 20-day spraying schedule using Ranjay 35 (2 g/L) and Pomus17 (2 ml/L) to guard new shoot flush against Citrus Psylla and leaf miner damage.
- **Raheel:** Apply every 20–30 days via drip or root basin drench to support feeder root development and uniform fruit sizing.
- **Gummosis & Nematode Control:** Apply Nemarazer at 2–3 kg per acre during soil prep to prevent Citrus Nematodes. For Phytophthora gummosis, apply Trivikram slurry around the trunk base.
- **PMC:** Apply 2 kg per acre once every month through fertigation to improve long-term citrus tree longevity and yield stability.

Safety & Compatibility Caution:

Do NOT mix Powermix with any synthetic chemical or biological copper formulations. Always perform a jar test prior to tank-mixing. Refrain from spraying during heavy bloom to safeguard honeybee pollination.

5. CORPORATE CONTACT & SUPPORT DETAILS

Ponalab Biogrowth Private Limited

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