PONALAB BIOGROWTH PVT LTD

Banana Crop Management Schedule - Comprehensive 1 Acre Guide

STANDARD 1 ACRE DOSING

1. ROOT ZONE, DRIP & SOIL APPLICATION SCHEDULE

Crop Stage / Timing	Days After Planting (DAP)	Recommended Ponalab Product	Application Rate & Method
Basal Dose / Sucker Prep (Pit Treatment & Planting)	Before Sowing / Planting	NPK Consortia, Trivikram, Chaitanya 24, Jeeva Granules	• NPK/Bio: 1-2 kg/acre • Jeeva Granules: 8-10 kg/acre (Pit/Basal) • Trivikram: 1 kg/acre
Early Vegetative Stage (Root Establishment)	15 - 45 DAP	Raheel / Bhumiras & PMC, Ponaplus	• Raheel / Bhumiras: 500 ml/acre or 2-3 ml/L • PMC: 2 kg/acre • Ponaplus: 5 ml/L
Active Canopy Growth (Pseudostem Expansion)	60 - 120 DAP	Ranjay 35, Pomus17, Micronutrients	• PMC: 2kg/acre • Pomus17: 3 ml/L • Micronutrients : 2kg/acre
Shooting & Bunch Emergence (Flower / Flag Leaf Stage)	150 - 210 DAP	Powermix, Raheel, Pomus17, Ponaplus	• Raheel: 500ml/acre • Pomus17: 2 ml/L • Ponaplus: 5 ml/L
Bunch Development & Harvest (Fruit Filling to Maturity)	220 - 300 DAP	Powermix, PMC, Pona Potash	• Pona Potash: 5 g/L (Apply during finger filling) • PMC: 2 kg/acre

2. APPLICATION INTERVALS & DRIP GUIDELINES

DRIP APPLICATION
Raheel 1 Litres / Acre
Interval: Once every 20 days through fertigation for continuous nutrient uptake.

FOLIAR SPRAYING
Every 20 Days
Alternate PMC & Pomus17 for robust foliage and disease resistance.

BUNCH SPRAY DOSE
Pona Potash @ 5g/L
Spray directly on banana hands/bunches after denavelling for finger length & shine.

3. PEST & DISEASE MANAGEMENT OPTIONS

Target Pest / Issue	Ponalab Option	Dose & Application Guidance
Aphids, Thrips, Banana Pseudostem & Rhizome Weevil	Nauvvo, Yuktava (Botanical Extract) / Sticky Traps	• Nauvvo: 1.5 ml/L • Yuktava: 2-3 ml/L
Fruit & Leaf Feeding Caterpillars / Pseudostem Borer	Trishakthi, Yuktava, Brutus (Bacillus thuringiensis)	• Trishakthi: 2-3 ml/L • Brutus: As per label instructions
Sigatoka Leaf Spot, Panama Wilt (Fusarium) & Erwinia Rot	Trivikram, Chaitanya	• 1 kg/acre each via drenching or drip

4. DETAILED APPLICATION NOTES & BEST PRACTICES

Important Growth & Soil Guidance:

- **Jeeva Granules:** Apply 8-10 kg/acre directly during pit preparation or around plant basins during early sucker growth to build biological soil health and root strength.
- **Micronutrient Boost (Vegetative to Shooting):** Integrate Zinc Sulphate, Boron, and Magnesium Sulphate via drip or soil ring application between 60–120 DAP to prevent leaf yellowing and ensure thick pseudostem development.
- **Bunch Development & Denavelling:** Spray Pona Potash @ 5 g/L directly on the banana hands right after removing the male bud (denavelling) to boost finger length, uniform fill, weight, and shelf life.
- **Regular Foliar Spray Routine:** Maintain a strict 20-day spraying cycle with Ranjay 35 (2 g/L) and Pomus17 (2 ml/L) to prevent Sigatoka leaf spot and build plant immunity.
- **Raheel:** Apply every 20 days via fertigation or root drenching to promote feeder root development and pseudostem thickness.
- **Root-Knot Nematode & Wilt Control:** Apply Nemarazer at 2-3 kg per acre around the root zone at 30 DAP and 90 DAP to safeguard roots against burrowing nematodes and soil-borne fungal wilts.
- **PMC:** Apply 2 kg per acre once every month to boost soil organic activity, fruit quality, and overall yield.

Safety & Compatibility Caution:

Do NOT mix Powermix with any other chemical pesticide or copper-based product. Always conduct a small jar test before tank-mixing new product combinations. Avoid spraying during extreme midday heat.

5. CORPORATE CONTACT & SUPPORT DETAILS

Ponalab Biogrowth Private Limited

Karn Nagalaxmi Towers, #1029, 20th Main Road
5th Block, Rajajinagar, Bengaluru, Karnataka - 560010

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