PONALAB BIOGROWTH PVT LTD

Chilli Crop Management Schedule – Comprehensive 1 Acre Guide

1. ROOT ZONE, DRIP & SOIL APPLICATION SCHEDULE

CROP STAGE / TIMING	TIMING / DAS	RECOMMENDED PONALAB PRODUCT	APPLICATION RATE & METHOD
Land Prep & Transplanting	Basal / 0–10 DAS	NPK Consortia, Trivikram, Jeeva Granules	• Jeeva Granules: 10 kg/acre (Soil) • Trivikram: 1 kg/acre • NPK Consortia: 1–2 kg/acre
Vegetative & Rooting Stage	15–35 DAS	Raheel / Bhumiras, Ponaplus	• Raheel / Bhumiras: 500 ml/acre • Ponaplus: 3–5 ml/L (Foliar/Drip)
Pre-Flowering & Branching	40–60 DAS	Pomus17, PMC, Micronutrients	• PMC: 2 kg/acre via drip • Pomus17: 2–3 ml/L foliar • Micronutrients: 2 kg/acre
Flowering & Fruit Set	65–90 DAS	Powermix, Raheel, Pona Booster	• Powermix: 2 kg/acre • Pona Booster: 2 g/L foliar spray • Raheel: 500 ml/acre drip
Fruit Dev. & Plucking	95+ DAS (Continuous)	Pona Potash, PMC	• Pona Potash: 5 g/L prior to pickings • PMC: 2 kg/acre monthly

2. APPLICATION INTERVALS & DRIP GUIDELINES

STANDARD DRIP DOSING

Raheel 1 Litre / Acre

Interval: Once every 15–20 days during vegetative and fruit setting stages.

FOLIAR SPRAYING

Every 15–20 Days

Alternate PMC & Pomus17 to ensure flush protection and vigorous flowering.

PRE-HARVEST DOSE

Pona Potash @ 5g/L

Spray 10–15 days prior to picking to maximize chillies' length, shine & pungency.

3. PEST & DISEASE MANAGEMENT OPTIONS

TARGET PEST / ISSUE	PONALAB OPTION	DOSE & APPLICATION GUIDANCE
Thrips, Mites & Sucking Insects (Leaf Curling)	Yuktava, Pona Bossy / Pona Verti	Yuktava: 2–3 ml/L Pona Bossy/Verti: 2–3 g/L foliar wash
Fruit Borer & Caterpillars	Brutus (*Bacillus thuringiensis*), Heer	Brutus: 2 ml/L Heer: 2–3 g/L spray at onset
Damping Off & Root Rot / Wilt	Trivikram, Chaitanya 24	1–2 kg/acre drenching near root zone during early growth

4. DETAILED APPLICATION NOTES & BEST PRACTICES

Important Growth & Soil Guidance:

- **Jeeva Granules:** Apply 10 kg/acre during final field preparation or ridge construction to build organic humus and encourage robust beneficial soil microbial colonies.
- **Root & Wilt Disease Defense:** Apply *Trivikram* (1 kg/acre) or *Chaitanya 24* via drip or soil drenching 10 days after transplanting to safeguard young seedlings from damping-off and bacterial wilt.
- **Sucking Pest & Virus Vector Management:** Use yellow and blue sticky traps (10–15 traps/acre). Spray *Yuktava* (2–3 ml/L) mixed with *Pona Bossy* (2 g/L) at the earliest sign of thrips or mite activity to prevent Leaf Curl Virus (LCV) infestation.
- **Flowering & Fruit Drop Prevention:** Spray *Pomus17* @ 2–3 ml/L combined with *Pona Booster* @ 2 g/L during flower initiation to minimize bud drop and increase the number of productive pickings.
- **Quality & Color Enhancement:** Foliar application of *Pona Potash* @ 5 g/L at green fruit development significantly improves fruit length, wall thickness, deep red color development, and capsaicin content.
- **Root Nematode Suppression:** Drench *Nemaerazer* or *Sowmyaa* @ 2 kg/acre in fields with known root-knot nematode problems before transplanting.

Safety & Compatibility Caution:

Do NOT mix biological products (Trivikram, Chaitanya 24, Pona Bossy) with chemical bactericides or copper-based fungicides. Always maintain a gap of 4–5 days between biological treatments and chemical sprays. Perform a jar compatibility test before tank-mixing new formulations.

5. CORPORATE CONTACT & SUPPORT DETAILS

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