



# POMEGRANATE

## Package Of Practices

### From Field Preparation to Harvesting



#### Soil, Climate & Pit Preparation

Suitable for arid and semi-arid regions with well-drained light to medium soils. Avoid water stagnation. Prepare 1 m deep pits at 4.5 m x 3.0 m spacing and incorporate well-decomposed FYM/compost. Before filling, drench pits with **BEHTAR** (Chlorpyrifos 20% EC) @ 4-5 L of 0.4% solution per pit. Apply **MYCO-PEP** (Mycorrhiza) @ 50-100 g/pit, **CROP TIGER** @ 10-15 g/pit, **TRICHO-PEP H** (Trichoderma harzianum 1.0% W.P) @ 25 g/pit, and **PSEUDO-PEP** (Pseudomonas fluorescens 1.0% WP) @ 25 g/pit.



#### Planting

Use healthy, vigorous and disease-free rooted cuttings or air-layered plants of 12-18 months age. Plant from June-December. Maintain 2.5-3 m x 2.5-3 m spacing for proper canopy development and air circulation.



#### Nutrition & Root Development

- **AMINOFERT MMF** @ 10-15 g/pit to support micronutrient uptake and plant development.
- **AMINOFERT CB 6:1** (Calcium Boron Amino Acid Chelate 6:1) @ 10-15 g/pit during flowering and fruit development for Ca and B nutrition.
- **CABZEE** (fortified Calcium Suspension) @ 1.5-2.0 ml/L during fruit development for calcium nutrition and fruit quality.
- **RIMCHA** (Fortified With Calcium Magnesium & Boron (Suspension)) @ 1.5-2.0 ml/L during flowering and fruit development for Ca, Mg and B nutrition.
- **PEPPY-X** (Ethephon 39% SL) @ 400-500 ml/200 L water for defoliation and better flowering.



#### Irrigation

Provide regular irrigation during dry periods. Use drip irrigation for efficient water management. In black soils, approximately 11 L/plant/day pre-monsoon, 12 L post-monsoon and 22 L during summer. Maintain uniform soil moisture to reduce fruit cracking.



#### Pest Management

- For thrips and aphids, use **ICHCHA** (Fipronil 40% + Imidacloprid 40% WG) @ 0.15-0.20 g/L or **TRIOMETHOXAM 25** (Thiamethoxam 25% WG) @ 0.25 g/L.
- For fruit borer, use **LAMRON CS** (lambda Cyhalothrin 4.9% CS) @ 1-2 ml/L.
- For fruit fly, use **PEPMIDA-17** (Imidacloprid 17.8% SL) @ 0.30-0.35 ml/L.
- Biological options include **BIOVERT** (Verticillium lecanii 1.15% WP) @ 5 g/L for thrips, aphids and mealybug; **ZYAMI** (Bacillus thuringiensis kurstaki 0.50% WP Min) @ 5-10 g/L for fruit borer; and **BAREEK** (Beauveria bassiana 1.15% WP) @ 5-10 g/L for fruit fly.



#### Disease Management

- For bacterial blight, use **KYCIN** (Kasugamycin 3% SL) @ 2-2.5 ml/L or **PEPTILIS** (Bacillus subtilis 1.5% AS) @ 3 ml/L / **PSEUDO-PEP** (Pseudomonas fluorescens 1.0% WP) @ 2 g/L.
- For wilt, use **TOSEM 70** (Thiophanate Methyl 70% WP) @ 1.43 ml/L, Propiconazole 25% EC @ 1.5 ml/L or Carbendazim 50% WP @ 2 g/L as drenching; biologically, apply **TRICHO-PEP H Liquid** (Trichoderma harzianum 2.0% AS Liquid) @ 3 ml/L.
- For anthracnose and fruit rot, use **TAL M-45** (Mancozeb 75% WP) @ 3-4 g/L or **TRICHO-PEP V Liquid** @ 3 ml/L.
- For Phytophthora blight, use **MOYRA** (Dimethomorph 50% WP) @ 2 g/L or **MAXXAL** (Metalaxyl 8% + Mancozeb 64%) @ 2.5 g/L. Apply **TRICHO-PEP H Liquid** (Trichoderma harzianum 2.0% AS Liquid) @ 3 ml/L and **PSEUDO-PEP** (Pseudomonas fluorescens 1.0% WP) @ 1 ml/L in the root zone.



#### Harvesting

Harvest fruits at proper maturity based on fruit colour, size and rind development. Avoid delayed harvesting under conditions favourable for fruit cracking and fungal infection. Average yield: 20-25 t/ha/year.





# Complete and Integrated Crop Care Program for Pomegranate

Maximizing Growth, Minimizing Losses

|                       | Orchard Preparation               | Nursery & Planting                | Vegetative Growth            | Nut Initiation to Flowering      | Fruit Development                | Fruit Maturity to Harvest |
|-----------------------|-----------------------------------|-----------------------------------|------------------------------|----------------------------------|----------------------------------|---------------------------|
| Bio Pesticides        | TRICHO-PEP H<br>PSEUDO-PEP        |                                   | BIOVERT<br>ZYAMI<br>PEPTILIS | BIOVERT<br>ZYAMI<br>TRICHO-PEP H | BIOVERT<br>ZYAMI<br>TRICHO-PEP V |                           |
| Bio Stimulants        |                                   |                                   | AMINOFERT<br>MMF             | AMINOFERT<br>CB 6:1              | CABZEE<br>RIMCHA                 | PEPPY-X                   |
| Nutrient / Fertilizer | FABIANA<br>CROP TIGER<br>MYCO-PEP | FABIANA<br>CROP TIGER<br>MYCO-PEP |                              |                                  |                                  |                           |
| Pesticides            | BEHTAR                            |                                   | ICHCHA<br>KYCIN              | LEMRON CS<br>TOSEM 70            | PEPMIDA 17<br>TAL M-45<br>MOYRA  |                           |

**Terms & Conditions:** \*Recommendations are indicative and may vary based on local conditions. Application guidelines may vary depending on soil, climate, and other conditions. Users are advised to conduct trials before use.



25 g/pit



4-5 L of 0.4% solution/pit



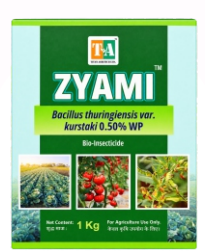
1-2.5 g/L of water



3 ml/L



1.43 g/L of water



5-10 g/L of water



25 g/pit



50-100 g/pit



2-2.5 ml/L



0.15-0.20 g/L of water



10-15 g/pit



5 g/L of water



## TITAN AGRITECH LIMITED

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