



GRAPES

Package Of Practices

From Field Preparation to Harvesting



Soil & Field Preparation

For grapes prepare the orchard by ploughing 3 to 4 times to achieve good soil aeration and proper soil preparation. Ensure adequate drainage and remove weeds, before transplanting in pits. Deep, well drained loamy, sandy loam and red loamy soils are suitable for these crops. Maintain a soil pH of around 5.5 to 7.0, depending on the crop and soil condition. Apply 4 to 6 tonnes/acre of well decomposed FYM along with **FABIANA** (Microbial-NPK Liquid) @ 1 litre/acre, **Myco-pep** (Mycorrhiza GR) @ 4 kg/acre and **Crop Tiger** @ 2 kg/acre before the last harrowing. This helps improve soil conditioning, support beneficial microbial activity and enhance nutrient availability for grape.



Planting & Seedling Treatment

Treat healthy saplings with **TRICHO-PEP V** (Trichoderma viride 1.50% Liquid) and **PSEUDO-PEP** (Pseudomonas fluorescens 1.0% WP) for healthy plant establishment. Planting: Prepare 3 x 3 x 3 feet pits during April-May and fill them with topsoil and well-decomposed compost or FYM. Plant healthy budded vines with the bud union above ground level. Stake and train vines to a single stem up to 5 feet.



Nutrition & Root Development

- **FABIANA** (Microbial-NPK Liquid): Apply 1 litre/acre during soil preparation.
- **MYCO-PEP** (Mycorrhiza): Apply 4 kg/acre to promote root development and improve nutrient and water uptake.
- **AMINOFERT GOLD**: Apply 200-300 ml/acre as a foliar spray during vegetative growth, bud initiation, flowering, and fruit development.
- **BAYANI (PDR)**: Apply 48 g/acre as a foliar spray from flowering to fruit setting and early fruit development. AMINOFERT CB 6:1: Apply 200-400 g/acre as a foliar spray during vegetative growth, bud initiation, flowering, and fruit development.
- **MASTER BERRY** (CPPU 0.1% Liquid): Apply 400 ml/acre during the recommended berry development stage.
- **PEP-GIBB 40** (Gibberellic Acid 40% WSG): Apply 0.10 g/L during the recommended flowering and berry development stages.



Irrigation Management

Irrigate vines immediately after pruning and fertilizer application. Provide irrigation at 5-7 day intervals until berries reach pea size, followed by approximately 10-day intervals based on soil and weather conditions. Use drip irrigation for efficient water management. Reduce or stop irrigation before harvest according to crop maturity and local conditions.



Pest Management

- **Flea Beetle, Wasps & Stem Girdle**: BEHTAR (Chlorpyrifos 20% EC) @ 2 ml/L of water.
- **Mealy Bugs & Thrips**: PEPIDA-17 (Imidacloprid 17.8% SL) @ 0.3 ml/L of water.
- **Leaf Eating Caterpillar**: PEPORA (Chlorantraniliprole 18.5% SC) @ 0.3 ml/L of water.
- **Spiders & Mites**: AVARRA (Abamectin 1.9% EC) @ 0.75-1.25 ml/L of water.
- **Biological Management**: BIOVERT (Verticillium lecanii 1.15% WP) @ 5 g/L of water and BAREEK (Beauveria bassiana 1.15% WP) @ 5 g/L of water.



Disease Management

- **Downy Mildew**: DIXOZY (Azoxystrobin 18.2% + Difenoconazole 11.4% SC) @ 1 ml/L of water.
- **Anthraco**: TOSEM 70 (Thiophanate Methyl 70% WP) @ 1.43 g/L of water.
- **Powdery Mildew**: STROBIT (Tebuconazole 50% + Trifloxystrobin 25% WG) @ 0.35 g/L of water.
- **Biological Management**: PSEUDO-PEP (Pseudomonas fluorescens 1.0% WP) @ 5 g/L of water and PEPTILIS (Bacillus subtilis 1.5% AS) @ 5 ml/L of water.



Harvesting & Expected Yield

Harvest fully mature grape bunches during the early morning to maintain fruit quality. Expected yield: 8-12 tonnes/acre, depending on variety and crop management.



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Complete and Integrated Crop Care Program for Fruit

Maximizing Growth, Minimizing Losses

	 Orchard Preparation	 Vegetative Growth	 Bud Initiation to Flowering	 Berry Development	 Berry Maturity to Harvest
Bio Pesticides	TRICHO-PEP V PSEUDO PEP	MERHIZO PSEDUO PEP	ZYAMI PEPTILIS	ZYAMI PEPTILIS	
Fertilizer	FABIANA	BAYANI			
Nutrient/ Root Development	MYCO-PEP CROP TIGER				
Bio Stimulants	AMINOFERT® GOLD AMINOFERT® CB 6:1				
Pesticides		BEHTAR DIXOZY	PEPMIDA 70 TOSEM 70	AVARRA STROBIT	
PGRs				PEP-GIBB 40	MASTER BERRY

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.



4 kg/acre



200-300 ml/acre



5 g/Ltr
of water



5 ml/Ltr
of water



0.75-1.25 ml/Ltr
of water



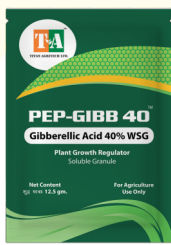
200-400 g/acre



2 ml/Ltr
of water



1.43 g/Ltr
of water



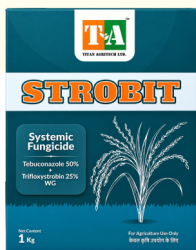
2 ml/100 ml
of water



0.10 g/Ltr



5-10 g/pit



5-10 g/pit



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