



COCONUT

Package Of Practices

From Field Preparation to Harvesting



Soil & Field Preparation

Coconut grows well in humid, equatorial climates with a mean annual temperature of around 27°C. It requires well-drained soil with a depth of 1.2-1.5 m or more and a pH range of 5.2-8.6. Avoid shallow soils, hard rock, and waterlogged areas. Prepare the field through ploughing and harrowing, and adopt contour bunding or terracing in sloping areas. Apply well-decomposed FYM or compost along with **MYCO-PEP** (Mycorrhiza) @ 50 g/pit and **CROP TIGER** @ 10-15 g/pit near the root zone to support root development, microbial activity, and nutrient uptake.



Seedling Selection & Planting

Select healthy coconut seedlings aged 9-12 months from high-yielding mother palms. Treat seedlings with **TRICHO-PEP H Liquid** ((*Trichoderma harzianum* 2.0% AS)) @ 5-10 ml before sowing. Prepare pits according to soil type: 1 m x 1 m x 1 m in loamy soil, 1.2 m x 1.2 m x 1.2 m in laterite soil, and 0.75 m x 0.75 m x 0.75 m in sandy soil. Maintain recommended spacing of 7.5-9 m for tall varieties, 6.5-7.5 m for dwarf varieties, and around 8.5 m for hybrids. Plant with the onset of monsoon rains, provide staking and temporary shade, and apply **FY-GRO 3** (Fipronil 0.3 % GR) @ 10 g/pit for termite control.



Nutrition & Root Development

Apply FYM or compost gradually from 20 kg/palm in the 2nd year to 50 kg/palm/year from the 5th year onwards. From the 5th year, a general recommendation is 1.3 kg Urea + 2 kg SSP + 2 kg MOP/palm/year, adjusted according to soil testing and local recommendations. Apply fertilizers in a circular basin around the palm in three or four doses during April-May, August-September, December, and February-March. Use **TRICHO-PEP H** (*Trichoderma harzianum* 1.0% W.P) @ 100 g, mixed with green leaf manure and neem cake, to support soil health. Apply biofertilizers @ 100 g/palm/year after 10 days. **AMINOFERT MMF** and **AMINOFERT B 12%** (Boron Amino Acid Chelate 12%) @ 5-10 g/pit support micronutrient uptake, root development, flowering, and nut development.



Irrigation Management

Young palms up to 4 years require 25-30 L water/palm every 2-3 days, depending on growth and weather. Bearing palms require approximately 200-250 L/palm once every 4 days through a basin maintained 5.5-6 ft from the trunk. Under drip irrigation, place laterals 4-6 ft from the trunk and supply approximately 35-40 L/palm/day, adjusted according to soil and climate. Recommended nutrients can be supplied through fertigation.



Pest Management

For chemical pest management, use **BEHTAR** (CHLORPYRIPHOS 20% EC) @ 10 ml/litre for termites and root grubs, **PEPORA GR** (Chlorantraniliprole 0.4% GR) @ 5 g mixed with 250 g sand for rhinoceros beetle, **SANHAAR** (Novaluron 5.25% + Indoxacarb 4.5% SC) @ 1.67-1.77 ml/litre for coconut black-headed caterpillars, and **PEPMIDA-17** (Imidacloprid 17.8% SL) @ 0.5 ml/litre for mealy bugs and scales. For biological management, apply **MERHIZO** (Metarhizium Anisopliae 1% W.P) @ 5-10 g/litre to the affected soil or root zone, **ZYAMI** (*Bacillus thuringiensis kurstaki* 0.50% WP Min) @ 5-10 g/litre on affected foliage, and **BIOVERT** (*Verticillium lecanii* 1.15% WP) @ 5 g/litre on affected plant parts. Use a talc-based *Hirsutella thompsonii* preparation @ 20 g/litre/palm for coconut eriophyid mites, with three sprayings per year as recommended.



Disease Management

For chemical disease control, use **TAL M-45** (Mancozeb 75% WP) @ 3-4 g/litre for Pestalotia leaf spot, **HIKSA-5** (Hexaconazole 5% SC) @ 2 ml/litre for Ganoderma, and **DIZOXY** (Azoxystrobin 18.2% + Difenconazole 11.4% SC) @ 1 ml/litre for bud rot disease. For biological management, apply **TRICHO-PEP H Liquid** (*Trichoderma harzianum* 2.0% AS Liquid) or **TRICHO-PEP V Liquid** (*Trichoderma viride* 1.50% Liquid) @ 3 ml/litre for Pestalotia leaf spot, **TRICHO-PEP H** (*Trichoderma harzianum* 1.0% W.P) or **TRICHO-PEP V** (*Trichoderma viride* 1.5% W.P) @ 5 g/litre for Ganoderma, and **PEPTILIS** (*Bacillus subtilis* 1.5% AS) @ 3 ml/litre for bud rot disease. For stem bleeding disease, apply 50 kg FYM with 5 kg neem cake containing **TRICHO-PEP H** (*Trichoderma harzianum* 1.0% W.P) @ 200 g/palm/year to the basin during September.



Harvesting

Tall varieties generally start bearing in 4-7 years, while dwarf varieties and hybrids begin bearing in around 3-4 years. Coconut can be harvested throughout the year, with the major harvesting period generally during April-May. Mature nuts for copra or oil are harvested at around 11-12 months after flowering. Under good management, average yield may reach 80-100 nuts/palm/year.



Complete and Integrated Crop Care Program for Coconut

Maximizing Growth, Minimizing Losses

	 Orchard Preparation	 Vegetative Growth	 Nut Initiation to Flowering	 Fruit Development	 Fruit Maturity to Harvest
Bio Pesticides	TRICHO-PEP H Liquid	MERHIZO TRICHO-PEP H	ZYAMI TRICHO-PEP V	BIOVERT PEPTILIS	
Nutrient/ Root Development	MYCO_PEP CROP TIGER	FABIANA			
Bio Stimulants			AMINOFERT MMF AMINOFERT B 12%		
Pesticides	FY-GRO 3	BEHTAR HIKSA-5	PEPORA GR PEPMIDA 17 TAL M-45	SANHAAR DIZOXY	

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.



3 ml/Ltr
of water



5 g/Ltr
of water



1 ml/Ltr
of water



3 ml/Ltr
of water



10-15 g/Ltr
water



100 g/palm
/year



3 ml/Ltr
of water



5 g/Ltr
of water



2 ml/Ltr
of water



3-4 g/Ltr
of water



5-10 g/pit



5-10 g/pit

