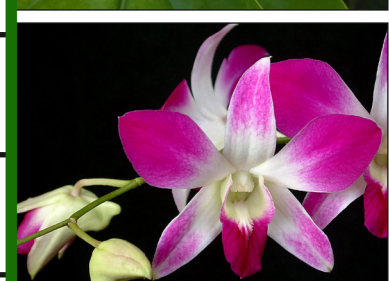
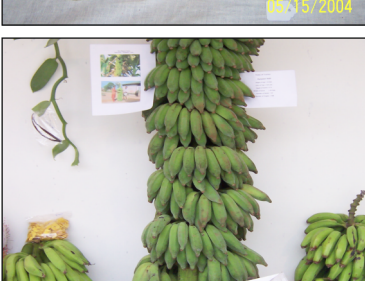
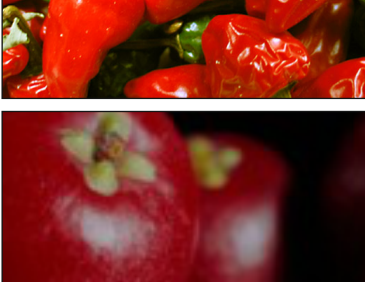


READY RECKONER FOR IMPORTANT CROPS OF GOA

(RECOMMENDATIONS ARE FOR 1000 Sq. Mt. IN FIELD CROPS & PER PLANT PER YEAR FOR TREE CROPS)

	CROP	VARIETIES	PLANTING SEASON	SEED/PLANT	PLANTING & SPACING	FERTILISER DOSE AT PRODUCTIVE STAGE (only indicative)-Kgs	PEST, DISEASES AND THEIR MANAGEMENT	YIELD	NUTRITION	
	FRUITS CASHEW	Vengurla – 4, 7, 8, Balli – 2	May - Jun	6-10 months old grafts with 4-5 leaves	60x60x60 cms– pits 7x7 mts	Neem cake-1, Rock Phosphate-2, Compost-10, Green manure-50, 10:26:26-2, Potash-0.5	Cashew stem and root borer- Avoid wounds, Tea mosquito bug	8-15 Kg	Vitamin B, Zinc, selenium, Iron	
	COCONUT	Benaulim, Hybrids Calangute, Chowghat dwarf	May - Jun	One year old seedling with 5-6 leaves	1x1x1 mt– pits 8x8 mts	Neem cake – 1, Rock Phosphate – 3, Compost – 10, Green manure – 50, 10:26:26 – 3, Potash – 1	Rhinoceros beetle, Red palm weevil– Avoid wounds, Pheromone traps Bud rot– Bordeaux mixture 1 %	100-150 Nuts	Vitamin B complex, Calcium, Iron	
	MANGO	Malcurado, Hilario, Alphonso, Ratna Amrapalli	Onset of monsoon	10 – 12 months grafts with 10 – 12 leaves	1 X 1 X 1 – pits 10 x 10 Mts.	Neem cake – 1, Rock Phosphate – 3, Compost – 10, Green manure – 50, 10:26:26 – 3, Potash – 1	Mango fruit fly – Methyl Eugenol traps Mango hopper	800-1000 fruits	Vitamins, Copper, Potassium, Iron	
	BANANA	Saldati, Raspali, Maindoli, Velchi, Savarboni, Grand naine	May - Jun, Oct	Sword suckers, Tissue culture plants with 3 – 4 leaves	60 X 60 X 60 cms. – pits 1.5 x 1.5 Mts. to 3 x 3 Mts.	Neem cake – 1, Rock Phosphate – 1, Compost – 10, Green manure – 20, 10:26:26 – 0.3, Potash – 0.1. In 4 splits once in 2 months	Bunchy top – uproot & bury/burn plants Pseudo stem weevil	25 – 30 kgs.	Vitamin A, B, C, Potassium, Iron	
	PAPAYA	Co-1, Red Lady, Taiwan	June	Seedling / Seed	Pits -- 30 X 30X30 cms 2X2mtr	Neem cake – 1, Rock Phosphate – 1, Compost – 10, Green manure – 20, 10:26:26 – 0.3, Potash – 0.1. In 4 splits once in 2 months	Mosaic virus - uproot & bury/burn plants	1000 Kgs./ 1000 Sq. Mts.	Vitamin A, B, C, Potassium, Calcium	
	SPICES BLACK PEPPER	Panniyur – 1, IISR Shakti, IISR Thevam	Sep - Oct	Rooted cutting with 3 – 4 leaves	60 X 60 X 60 cms. – pits 0.5 Mt. away from standard	Neem cake – 1, Rock Phosphate – 1, Compost – 10, Green manure – 20, 10:26:26 – 0.5, Potash – 0.25	Quick wilt, slow wilt – Bordeaux mixture – 1 % Trichoderma	0.5 to 3 Kgs.	Improves digestion, Intestinal Health, Vitamin A, Co	
	NUTMEG	Konkan Sugandha	May - Jun	One year graft with 5 – 6 leaves	60 X 60 X 60 cms. – pits 7 x 7 Mts.	Neem cake – 1, Rock Phosphate – 2, Compost – 10, Green manure – 50, 10:26:26 – 2, Potash – 0.5	Fruit rot, Die back - Bordeaux mixture – 1% Trichoderma	1000 – 3000 nutmeg	Protein, Iron, calcium, Potassium	
	CHILLY	Local Khola, Aldona, Sai Priya, UG 6609	Jan, Jun	Seed – 50 gms.	Ridges 60 x 30 cms. 75x75 cms. for hybrids	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 10:26:26 – 50, at planting; Potash – 15, Urea – 15 after 6 weeks	Damping off, Wilt - Drenching – Bordeaux mixture – 1 % Trichoderma, Leaf curl - Neem oil	1000 kgs. Green	Vitamin A, B, C, Iron, Copper	
	KOKUM	Konkan Amruta	May, Jun	One year graft with 5 – 6 leaves	60 X 60 X 60 cms. – pits 6 x 6 Mts.	Neem cake – 1, Rock Phosphate – 2, Compost – 10, Green manure – 50, 10:26:26 – 2, Potash – 0.5.	Leaf miner, Die back - Bordeaux mixture – 1 %, Trichoderma	40 - 50 kgs.	Vitamin B, C, Potassium	
	FLOWERS MARIGOLD	Local, African, French, Hybrids	Throughout the year	Seed – 10 gms.	Raised/Flat beds, ridges 45 X 45 cms.	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 10:26:26 – 30, at planting; Potash – 4, Urea – 8, after 4 weeks	Damping off, Wilt - Drenching – Bordeaux mixture – 1 %, Trichoderma	1000 kgs.		
	JASMINE	Mogra, Jai , Jui	June	Cuttings, layers	60 X 60 X 60 cms. – pits 2 x 2 Mts.	Neem cake – 0.5, Rock Phosphate – 1, Compost – 5, Green manure – 20, 10:26:26 – 0.25, Potash – 0.2 Per plant	White ants Bud worm	500 kgs.		
	ORCHID	Terrestrial, Epiphytic - Dendrobiums	Throughout the year	2 – 10 month tissue culture plants	Coconut husk as media 1000pots/100 Sq. Mts.	19:19:19 water soluble – 5 gms/1 L water, Micronutrient, Neem oil, Fermented cow urine spray twice a week	Aphids, Mealy bug, Scales Snails – hand picking – during evening	5 – 8 spikes		
	VEGETABLES CUCUMBER	Local, Himangi, Poona Kheera	May – Jun Oct – Nov Jan - Feb	Seed – 100 gms.	Soil mounds, Trellis 2 x 2 Mts.	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 10:26:26 – 20, at planting; Potash – 4, 10:26:26 – 4, after 4 weeks	Fruit fly – Use Pheromone trap	2000 kgs.	Most Vitamins, Molybdenum	
	BHENDI	Local, JK – 65, Sahiba, Bhendi - 10	Mar – Oct	Seed – 500 gms.	Ridges 60 x 30 cms.	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 10:26:26 – 25, at planting; Potash – 4, Urea – 4 after 4 weeks	Yellow vein mosaic virus– Remove the plant & burn, Use Resistant varieties – JK 62, JK 65	1500 kgs.	Most Vitamins, rich in dietary fibre, Iron	
	RED AMARANTHUS	Local, CO-1	May /June Oct/Nov Jan/Feb	Seed - 250 gm	Line 15 -20 cms	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 10:26:26 – 5, at planting; Potash – 2, Urea – 2 after 3 weeks	Avoid using pesticide for leafy vegetables	1000 kgs.	High Protein, Vitamin B, C, Iron, calcium	
	CLUSTER BEAN	Milan	May /June Oct/Nov Jan/Feb	Seed – 400 gms	Line 45 X 30 cms.	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 10:26:26 – 25, at planting; Potash – 4, Urea – 4 after 4 weeks	No major pest and diseases	500 kgs.	Most Vitamins, minerals, dietary fibre	
	RADDISH-MULA	Pusa, Hybrid Shweta	May /June Oct/Nov Jan/Feb	Seed - 1 kg	Line 30 – 60 cms	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 10:26:26 – 5, at planting; Potash – 2, Urea – 2 after 3 weeks	No major pest and diseases	2000 Kgs.	Vitamin B, C, calcium, dietary fibre	
	BRINJAL	Manjari, Agassim Long / Round , Krishna, Ruchira, Surya	May /June Oct/Nov Jan/Feb	Seed / Seedling	Line 75X60 cms. 60X60 cms.	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 10:26:26 – 25, at planting; Potash – 4, Urea – 4 after 4 weeks	Damping off, Wilt - Drenching – Bordeaux mixture – 1 %, Trichoderma Leaf curl - Neem oil	2500 Kgs.	Vitamin K, Potassium, manganese	
	FOOD GRAINS PADDY	Korgoot, Azgo, Jaya, Jyoti, Karjat – 3, Warangal	May – Jun, Nov – Dec	Seed – 2 – 8 kgs. Treat with Azotobacter	Broadcasting, Transplanting, SRI 20 x 15cms, 25x 25 cms.	Neem cake–25, Rock Phosphate–50, Compost–1000, 10:26:26–25, at planting; Potash–2, Urea–4 after 20 and 50 days	Leaf folder, case worm - Place Tricho card in the field Blast – Use Resistant varieties	300 – 600 kgs.	Carbohydrate, Minerals, Antioxidants	
	COWPEA	Alsando, Pusa komal	June, Oct – Nov	Seed 3 – 5 kgs. Treat with Rhizobium	Dibbling on ridges, Sowing behind plough 45 x 15 cm	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 18:46:0 – 15, at planting; Top dress with Potash – 2 after 40 days	Pod borer, Aphids – Neem oil 25 ml/10 lts. of water	100 kgs.	Vitamin B, Proteins, Minerals	
	GROUNDNUT	TAG – 24, Phule pragati, Trombay konkan	August, Nov - Dec	Kernels 10 Kgs. Treat with Rhizobium	Dibbling, Sowing behind plough 40 X 15 cms.	Neem cake – 25, Rock Phosphate – 50, Compost – 1000, 18:46:0 – 15, at planting; Top dress with Potash – 2 after 40 days	Leaf spot Rust	150 – 300 kgs.	Vitamin B, C, Proteins	

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