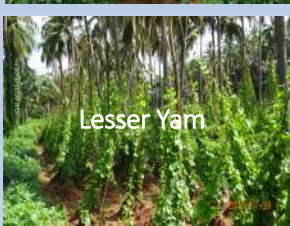
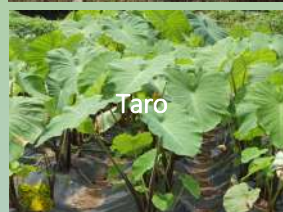
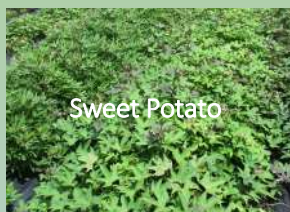


Agrotechniques of Tropical Tuber Crops



Improved Varieties of Tropical Tuber Crops Released by ICAR-CTCRI (67)

Cassava (19): H-97, H-165, H-226, Sree Prakash, Sree Jaya, Sree Vijaya, Sree Vishakam, Sree Sahya, Sree Rekha, Sree Prabha, Sree Harsha, Sree Padmanabha, Sree Swarna, Sree Pavithra, Sree Athulya, Sree Apoorva, Sree Reksha, Sree Sakthi, Sree Suvarna

Sweet Potato (21): H-41, H-42, Varsha, Sree Kanaka, Sree Bhadra, Sree Arun, Sree Varun, Sree Rethna, Sree Nandini, Sree Vardhini, Gowri, Sankar, Kalinga, Goutam, Kishan, Sourin, Bhu Sona, Bhu Kanti, Bhu Ja, Bhu Krishna, Bhu Swami

Greater Yam (9): Sree Keerthi, Sree Roopa, Sree Shilpa, Sree Karthika, Odisha Elite, Sree Swathy, Sree Neelima, Bhu Swar, Sree Nidhi

White Yam (5): Sree Subhra, Sree Priya, Sree Haritha, Sree Dhanya (dwarf), Sree Swetha (dwarf)

Lesser Yam (2): Sree Latha, Sree Kala

Elephant Foot Yam (2): Sree Padma, Sree Athira

Taro (8): Sree Rashmi, Sree Pallavi, Muktakeshi, Pani Saru-1, Pani Saru-2, Sree Kiran, Bhu Kripa, Bhu Sree

Chinese Potato (1): Sree Dhara

Agrotechniques of Tropical Tuber Crops

Crop	Time of Planting	Planting Material	Method of Land Preparation and Planting	Spacing (cm)	FYM (t/ha)	N:P ₂ O ₅ :K ₂ O (kg/ha)	Intercultural Operations	Duration (months)	Average Yield (t/ha)
Cassava	Rainfed : April-May & September- October Irrigated : Anytime	Stem cuttings: 7-10 months old, 2-3 cm thick, 15-20 cm long	Mound/ Ridge & Furrow/ Flat Bed; Vertical to 5 cm depth	90 x 90 (Branching) 75 x 75 (Non branching)	12.5	100:50:100	Weeding and earthing up at 1.5-2 months stage and again 1 month later; irrigate @ 20 mm/week if dry spell exceeds 2 weeks	6-10	25-30
							Weeding & earthing up 15 & 30 days after planting; irrigate once in a week during drought		
Sweet Potato	Upland rainfed : June-July Upland irrigated : October-November Lowland irrigated: January-February	Vine cuttings: 20-30 cm long	Horizontal /Slant burial; 2-4 nodes below soil on mound/ridge	60 x 20 (Ridge) 80 x 75 (Mound)	5	50:25:50	Trailing the plants 15 days after sprouting; weeding & earthing up within a week after sprouting and 1 month later	3-4	20-25
Greater Yam	March-April	Setts:250-300 g	Pit reformed into mound	90 x 90	10	80:60:80		8-10	25-30
White Yam	March-April	Setts:250-300 g	Pit reformed into mound	90 x 90 60 x 60 (Dwarf white yam)	10	100:50:100		9-10	35-40
Lesser Yam	March-April	Seed yam:100-150 g	Mound	75 x 75	10	80:60:80		8-9	15-20
Elephant Foot Yam	February-April	Corm piece: 750 g; corm 500 g	Pits	90 x 90	25	100:50:150	Mulching immediately after planting; weeding & intercultivation at 45 days stage and 1 month later	8-9	35-40
Taro	April-June	Cormel/side corm: 20-25 g; mother corm: 75-100 g	Ridge & Furrow / Pit / Mound / Bed	60 x 45	12.5	80:25:100	Mulching after planting; 9-12 irrigations; stop irrigation 1 month before harvest; weeding, light hoeing & earthing up at 1 & 2 months stage; smother leafy parts 1 month before harvest	6-7	15-20
Tannia	March-April	Mother corm piece: 100-150 g; cormel: 50-75 g	Mound / Pit / Ridge & Furrow	90 x 90	12.5	80:25:100	Weeding and earthing up at 30-45 days stage and 1 month later	9-10	20-25
Chinese Potato	July-October	Whole tuber; vine cuttings (10-15 cm long)	Mound / Ridge & Furrow; Horizontal / Vertical planting	45 x 30	10	60:60:100	Weeding & earthing up at 1 month stage and 1 month later	4-5	20-25
Arrowroot	May-June	Rhizome pieces: 4-7 cm long, 2-4 buds, 20-25 g; sucker	Raised bed	30 x 15	10	50:25:75	Weeding & earthing up at 1 month stage and 1 month later	10-11	20-25