Tuber Crop Varieties Released in India





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ICAR-CENTRAL TUBER CROPS RESEARCH INSTITUTE

Sreekariyam, Thiruvananthapuram - 695 017, Kerala, India (Indian Council of Agricultural Research)



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From the Director

DIRECTOR CAR - CTCRI

Root and tuber crops are quiet powerhouses of India's food and livelihood systems. They anchor nutrition and incomes for smallholders, buffer risk in climate-stressed agro-ecologies, and increasingly feed, pharmaceutical and bio-based industries. Their resilience, biological efficiency and year-round relevance to diverse farming situations make them central to the national agenda of nutrition security, farmer prosperity and sustainable growth.

In this context, it is timely to present this Technical Bulletin on Released Varieties of Tropical Root and Tuber Crops in India. The compendium consolidates, in one place, verified information on improved varieties developed and released through our national research and innovation network up to November 2025. By documenting this diversity in an accessible format, the bulletin is expected to support more informed decisions on varietal choice, seed planning and value-chain development.

The bulletin will be useful to a wide range of stakeholders. For researchers and breeders, it provides a consolidated view of the varietal landscape that can guide future priorities in crop improvement. For extension systems and seed agencies, it serves as a ready reference for planning multiplication and dissemination. For entrepreneurs, processors and investors, it signals the raw-material potential of tropical root and tuber crops in emerging markets and product lines. Ultimately, the beneficiaries are smallholder farmers and consumers who stand to gain from better varieties deployed in the right agro-ecologies.

This publication is the outcome of collective efforts across the AICRP on Tuber Crops, ICAR institutes, State Agricultural Universities, partner departments, private collaborators and, importantly, the farmers who hosted trials and shared their practical insights. I place on record my appreciation to the editors for their rigorous compilation and contributors for their timely validation and documentation. We gratefully acknowledge the guidance and support of the Indian Council of Agricultural Research and our collaborators across the NARES.

I am confident that this compendium will serve as a useful reference for the tuber-crop community, help accelerate the translation of science to farms and markets, and contribute to resilient livelihoods, improved nutrition and a more vibrant, circular bioeconomy.

G. Byju Director



Introduction

Tropical root and tuber crops are foundational to food and livelihood security across the tropics and subtropics. Characterised by high productivity, resilience to diverse environments and versatility in food and industrial uses, they provide affordable dietary energy along with starch, essential minerals, vitamins, antioxidants and dietary fibre. In India, these crops cassava (*Manihot esculenta*), sweet potato (*Ipomoea batatas*), yams (*Dioscorea* spp.), taro (*Colocasia esculenta*), tannia (*Xanthosoma sagittifolium*), yam bean (*Pachyrhizus erosus*) and arrowroot (*Maranta arundinacea*) are supported by a long-standing tradition of organised research, breeding and farmer-oriented dissemination.

To date, a total of 161 improved varieties of tropical root and tuber crops have been released in India: 38 of cassava, 46 of sweet potato, 17 of greater yam, 3 of lesser yam, 6 of white yam, 2 of aerial yam, 25 of taro (arvi), 2 of dasheen taro (bunda), 2 of tannia, 8 of elephant foot yam, 4 of Chinese potato, 4 of arrowroot and 4 of yam bean. These varieties capture substantial morphological, agronomic and biochemical diversity. Key breeding targets have included high and stable yield; enhanced starch quantity and quality; nutritional enrichment (e.g. β-carotene and anthocyanins in sweet potato); resistance/tolerance to major diseases and pests (e.g. cassava mosaic disease); improved corm/tuber architecture and pigmentation in yams; non-acridity, storability and extended shelf life in elephant foot yam; desirable tuber shape and productivity in Chinese potato; and superior starch and functional properties in arrowroot and favourable sugar-fibre profiles in yam bean. Together, these trait packages underpin farm profitability and downstream value for food, pharmaceutical and bio-based industries.

The bulletin is intended for researchers and breeders to identify gaps and opportunities for future improvement; for seed system managers and extension personnel to plan multiplication and area expansion; for policy planners to align missions and investments; and for entrepreneurs and informed growers to support varietal choice, seed planning and value-chain development.

By documenting the breadth of India's released germplasm in tropical root and tuber crops, this compendium also highlights priority opportunities for biofortification, climate resilience, pest and disease resistance and end-use quality trait that will guide the next generation of breeding and deployment.



Tuber crop varieties released in India

Sl. No.	Name	Year of release	Released by	Average yield (t/ha)	Salient features	Recommended state / region				
	A. CASSAVA (38)									
1	H-97	1971	ICAR-CTCRI	25-35	Semi-branching, starch: 27-31%, duration: 10 months	Tamil Nadu, Kerala, Karnataka, Andhra Pradesh, Telangana				
2	H-165	1971	ICAR-CTCRI	33-38	Non-branching, starch: 23-25%, duration: 8-9 months	Tamil Nadu, Kerala, Karnataka, Andhra Pradesh, Telangana				
3	H-226	1971	ICAR-CTCRI	30-35	Semi-branching, starch: 28-30%, duration: 10 months	Tamil Nadu, Kerala, Karnataka, Andhra Pradesh, Telangana				
4	CO 1	1976	TNAU	50	Erect, tall and non-branching, starch: 25%, duration: 9-10 months	Tamil Nadu				
5	Sree Sahya	1977	ICAR-CTCRI	35-40	Semi-branching, starch: 29-31%, duration: 10-11 months	Kerala, Tamil Nadu, Karnataka, Andhra Pradesh and North Eastern Region				
6	Sree Visakham	1977	ICAR-CTCRI	35-38	Semi-branching, starch: 25-27%, duration: 10 months	Kerala, Tamil Nadu, Karnataka, Andhra Pradesh, Maharashtra and North Eastern Region				
7	MVD 1	1983	TNAU	35	Erect, tall growing and non branching type, suitable for chips making, starch: 35%, duration:10 months	Tamil Nadu				
8	CO 2	1985	TNAU	35	Erect growing with top branching, dual purpose (edible and industry), starch: 35%, duration: 9-10 months	Tamil Nadu, Kerala				
9	Sree Prakash	1987	ICAR-CTCRI	30-35	Semi-branching, suitable for lowland, starch: 29-31%, duration: 7 months	Kerala, Tamil Nadu, Andhra Pradesh, Assam				
10	CO 3	1992	TNAU	42	Highly branching, tolerant to CMD, starch: 35%, duration: 9-10 months	Tamil Nadu				
11	Nidhi	1996	KAU	35-40	Tall and non branching, tolerant to mosaic and moisture stress, starch: 27%, duration: 5.5-6 months	Kerala (Onattukara- coastal sandy tract)				
12	Sree Harsha	1996	ICAR-CTCRI	35-40	Erect branching, drought tolerant, good cooking quality, starch: 38-41%, duration: 10 months	Kerala and Tamil Nadu				
13	Kalpaka	1996	KAU	42	Non-branching, suitable for intercropping in coconut gardens, starch: 31%, duration: 6 months	Kerala (Kuttanad region)				
14	Sree Jaya	1998	ICAR-CTCRI	26-30	Erect branching, suitable for lowland, excellent cooking quality, starch: 24-27%, duration: 6-7 months	Kerala, Tamil Nadu, Andhra Pradesh				
15	Sree Vijaya	1998	ICAR-CTCRI	25-28	Erect branching, suitable for lowland, excellent cooking quality, starch: 27-30%, duration: 6-7 months	Kerala, Tamil Nadu, Bihar, Assam				
16	Sree Prabha	2000	ICAR-CTCRI	35-40	Semi-branching, starch: 26-29%, duration: 9-10 months	Kerala, Tamil Nadu, Karnataka, Andhra Pradesh				



					Erect branching, starch: 28-30%,	Kerala, Tamil Nadu,
17	Sree Rekha	2000	ICAR-CTCRI	35-40	duration: 9-10 months	Karnataka, Andhra Pradesh
18	CO (TP) 4	2002	TNAU	50	Erect, tall, non-branching, starch: 40%, duration: 9-10 months	Tamil Nadu
19	Vellayani Hraswa	2002	KAU	35-40	Dwarf with good branching habit, moderately susceptible to cassava mosaic virus, very good cooking quality, starch: 28%, duration: 5-6 months	Kerala
20	Sree Padmanabha	2006	ICAR-CTCRI	38	Tall and late branching, resistant to CMD, starch: 25-26%, duration: 9-10 months	Kerala, Tamil Nadu, Andhra Pradesh
21	CO (TP) 5	2007	TNAU	38	Erect, tall and non branching, suitable for industrial purpose, starch: 28%, duration: 9-10 months	Tamil Nadu
22	YTP 1	2013	TNAU	50	Erect, tall, non-branching, starch: 25-27%, duration: 9-10 months	Tamil Nadu
23	Sree Athulya	2014	ICAR-CTCRI	35-40	Tall, erect and top branching, starch: 30%, duration: 10 months	Plains of Tamil Nadu, Andhra Pradesh
24	Sree Apoorva	2014	ICAR-CTCRI	35-40	Tall and top branching, starch: 30%, duration: 10 months	Plains of Tamil Nadu, Andhra Pradesh
25	Chhattisgarh Cassava-1	2015	IGKV	38	Spreading and branching, excellent cooking and culinary quality, starch: 30%, duration: 7-8 months	Chhattisgarh (Bastar Region)
26	Sree Swarna	2015	ICAR-CTCRI	35-40	Tall and top branching, starch: 25%, duration: 7-8 months	Kerala, Tamil Nadu, Andhra Pradesh
27	Sree Pavithra	2015	ICAR-CTCRI	35-40	Tall and top branching, potassium use efficient (243 kg tuber/kg K absorbed), starch: 24%, duration: 9-10 months	Kerala
28	Sree Reksha	2017	ICAR-CTCRI	40-50	Non-branching, tolerant to PPD and resistant to CMD, starch: 27-31%, duration: 9-10 months	Kerala, Tamil Nadu, Maharashtra and Andhra Pradesh
29	PDP CMR-1	2017	Dr. YSRHU	43	Tall, semi-spreading and non-branching, resistant to CMD, starch: 24%, duration: 9-10 months	Andhra Pradesh (Coastal region)
30	KAU Uthama	2018	KAU	45-50	Erect growth habit, good cooking quality, starch: 23%, duration: 6 months	Kerala (Upper Kuttanad)
31	Sree Sakthi	2018	ICAR-CTCRI	45-50	Non-branching, tolerant to PPD and resistant to CMD, starch: 27-32%, duration: 9-10 months	Kerala, Maharashtra, Tamil Nadu and Andhra Pradesh
32	Sree Suvarna	2018	ICAR-CTCRI	45-50	Non-branching, resistant to CMD, starch: 25-27%, duration: 7-8 months	Kerala, Tamil Nadu, Andhra Pradesh
33	YTP 2	2020	TNAU	46	Erect, medium tall and top branching, dual purpose (edible and industry), starch: 30%, duration: 9-10 months	Tamil Nadu
34	CAU Umangra-1	2021	CAU	24-31	Medium tall with branching, excellent cooking quality, starch: 25-32%, duration: 8-9 months	Manipur
35	Dr. YSRHU- Aditya	2022	Dr. YSRHU	40	Erect branching, suitable for lowlands, good cooking quality, starch: 26-27%, duration: 7 months	Andhra Pradesh



36	Sree Kaveri	2023	ICAR-CTCRI	40-50	Tall and top branching, resistant to CMD, nutrient use efficient (243.65 kg tuber/kg K absorbed), starch: 27-28%, duration: 9-10 months	Kerala, Tamil Nadu and Andhra Pradesh
37	Sree Annam	2025	ICAR-CTCRI	30-40	Erect stems with branching, NPK use efficient (75% of NPK fertilizer can be saved), excellent cooking quality, starch: 20-25%, duration: 9-10 months	Kerala
38	Sree Manna	2025	ICAR-CTCRI	40-50	Erect stems with top branching, NPK use efficient (75% of NPK fertilizer can be saved), excellent cooking quality, starch: 20-25%, duration: 9-10 months	Kerala
			В	. SWEET	POTATO (46)	
1	H-41	1971	ICAR-CTCRI	20-25	Semi-spreading plant type, unifoliate leaf, tuber fusiform, reddish purple skin & white flesh, excellent cooking quality, duration: 120 days	Kerala, Tamil Nadu, Karnataka
2	H-42	1971	ICAR-CTCRI	22-25	Semi-spreading plant type, unifoliate leaf, tuber fusiform, pink skin & cream flesh, duration: 120 days	Kerala, Tamil Nadu, Karnataka
3	CO 1	1976	TNAU	28	Low spreading type, medium lobed leaf, elliptic shaped tubers, light pink skin and white flesh, tolerant to weevil infestation, duration: 135 days	Tamil Nadu
4	CO 2	1980	TNAU	28	Less spreading, multilobed leaf, medium sized tuber, light pink skin and white flesh, tolerant to weevil infestation, duration: 110 days	Tamil Nadu
5	Rajendra Sakarkand-5	1980	Dr. RPCAU	18	Extremely spreading, broad and six lobed leaf, cylindrical tubers, creamywhite skin, white flesh, duration: 105-120 days	Plains of Bihar, Jharkhand, Uttar Pradesh
6	CO 3	1982	TNAU	31	Bushy growth habit, slightly lobed leaves, elliptic shaped tubers, light red skin and dark orange flesh (\$\beta\$ carotene-13.28 mg/100g), tolerant to weevil infestation, duration:105-110 days	Tamil Nadu
7	Varsha	1983	ICAR-CTCRI	17-22	Semi-spreading plant type, simple 3-5 lobed leaf, tuber fusiform, reddish purple skin & light yellow flesh, drought tolerant, duration: 120 days	Maharashtra (Konkan region)
8	Sree Nandini	1987	ICAR-CTCRI	20-25	Spreading plant type, unifoliate leaf, tuber fusiform, cream skin & yellow lesh, excellent cooking quality and sweet, drought tolerant, suitable for paddy fallows, duration: 100-105 days	Kerala
9	Sree Vardhini	1987	ICAR-CTCRI	20-25	Semi-spreading plant type, simple leaf with 3-4 lobes, tuber fusiform, purple skin and yellow flesh (0.72 mg/l00g), duration: 100-105 days	Kerala



10	Samrat	1987	SKLTGHU	15	Medium spreading, cordate leaf, fusiform tubers, white and pinkish streaked skin colour, creamy white flesh colour, duration: 100-120 days	Telangana and Andhra Pradesh
11	Rajendra Sakarkand-35	1990	Dr. RPCAU	20	Medium spreading plant type, green teethed leaves, tubers cylindrical, dull white skin and white flesh, suitable for spring planting, duration: 110-120 days	Bihar, Assam, Karnataka, West Bengal and Jharkhand
12	Rajendra Sakarkand-43	1990	Dr. RPCAU	20	Medium spreading type, green teethed leaves, cylindrical tubers, brownish skin and white flesh, suitable for late harvesting, duration: 105-110 days	Bihar, Assam, Karnataka, Andhra Pradesh, Maharashtra and Jharkhand
13	Kanhangad	1992	KAU	12	Spreading type, cordate heart shaped leaf, dark medium sized spindle shaped tubers with purple skin and yellow flesh, duration: 105- 120 days	Kerala
14	Rajendra Sakarkand-47	1993	Dr. RPCAU	25	Spreading plant type, green triangular leaves, cylindrical tubers, reddish purple skin and white flesh, deep bulking and suitable for late harvesting, duration: 120-130 days	Bihar, Jharkhand, West Bengal and Uttar Pradesh
15	Kiran	1994	SKLTGHU	22.5	Medium spreading, palmate leaves with 4-8 shallow lobes, tubers fusiform, light red skin and orange colour flesh (4-6 mg-100g), duration: 110-130 days	Andhra Pradesh, Bihar, Telangana
16	Sree Bhadra	1996	ICAR-CTCRI	20-22	Semi-spreading plant type, broad and cordate leaf, spherical tuber, light pink skin & cream flesh (0.48-0.60mg/100g), excellent cooking quality, trap crop for root knot nematode (Meloidogyne incognita), duration: 90 days	Kerala, Maharashtra, Bihar & Madhya Pradesh
17	Sree Rethna	1996	ICAR-CTCRI	20-22	Spreading plant type, shouldered leaf, tuber spherical, purple skin, orange flesh (1.92-2.10 mg/100g), excellent cooking quality, duration: 90-105 days	Kerala
18	Gouri	1998	ICAR-CTCRI	19	Semi-erect plant type, simple leaf with 5-6 lobes, tuber obovate to round elliptic, purple red skin & deep orange flesh (4.50-5.46 mg/100g), tolerant to mid-season drought, suitable for <i>kharif</i> and <i>rabi</i> seasons, duration: 11-120 days	Odisha
19	Sankar	1998	ICAR-CTCRI	14	Spreading plant type, hastate leaf, tuber elliptical, red skin & pale yellow flesh, starch: 22.5-24%, excellent cooking quality, duration: 120 days	Odisha
20	CO CIP 1	1999	TNAU	35	Spreading plant type, simple leaf with 3-4 lobes, elliptic tubers, pink skin and yellow flesh, tolerant to weevil infestation, duration: 95-100 days	Tamil Nadu



21	Konkan Ashwini	2000	Dr. BSKKV	34	Semi spreading, heart spread leaves, elliptical round tuber, pink skin and creamy white flesh, duration:105 days	Maharashtra (Konkan region and adjoining area)
22	Narendra Shakarkand-9	2001	NDUAT	27	Semi spreading, semi elliptical leaf with five lobes, elliptical to long elliptical tuber, cream skin and whitish cream flesh, excellent cooking quality and less weevil incidence, duration: 120-130 days	Uttar Pradesh
23	Rajendra Sakarkand-92	2001	Dr. RPCAU	30	Spreading plant type, distinctly different leaf incision, cylindrical tubers, red skin and yellowish white coloured flesh, tolerant to weevil and <i>Cercospora</i> leaf spot, good cooking quality with sweet taste, duration: 75-120 days	Plains of Bihar
24	Sree Arun	2002	ICAR-CTCRI	20-28	Spreading plant type, cordate leaf, tuber fusiform short/spherical, very pale pink skin & cream flesh, good cooking quality, duration: 90 days	Kerala (Uplands)
25	Sree Varun	2002	ICAR-CTCRI	20-28	Spreading plant type, slightly 5-lobedleaf, tuber fusiform short/spherical, cream skin, cream flesh, good cooking quality, duration: 90 days	Kerala (Uplands)
26	Kalinga	2004	ICAR-CTCRI	17	Spreading plant type, deeply lobed leaf, tuber round to elliptic, purple red skin & white flesh, excellent cooking quality, suitable for food, fodder and starch extraction, duration: 105-110 days	Odisha, Bihar, Jharkhand and West Bengal
27	Sree Kanaka	2004	ICAR-CTCRI	15	Compact plant type, 3-5 lobed leaf, tuber cylindrical, cream skin & dark orange flesh (8.79-10.00 mg/100g), good cooking quality, duration: 75-85 days	Kerala
28	Goutam	2005	ICAR-CTCRI	19	Spreading plant type, triangular leaf, tuber round to ovate, white skin & cream flesh, very good cooking quality, soft, mealy, very sweet, duration: 105-110 days	Odisha (Coastal and hilly regions)
29	Kishan	2005	ICAR-CTCRI	17	Semi-compact plant type, triangular leaf, tuber elliptical tubers, reddish purple skin & creamy white flesh, suitable for food, fodder and starch extraction, tolerant to mid-season drought, duration: 110-120 days	Odisha
30	Sourin	2005	ICAR-CTCRI	16	Spreading plant type, lobed leaf, tuber round to elliptic, red skin & creamy white flesh, suitable for both $kharif$ and $rabi$ seasons, duration: 105-110 days	Odisha
31	Indira Madhur	2007	IGKV	26	Semi spreading plant type, narrow lobed leaf, elliptical to long tubers, red skin and orange flesh (3.31 mg/100 g beta carotene), excellent cooking quality, duration: 110-120 days	Chhattisgarh



32	Indira Naveen	2007	IGKV	33	Semi spreading plant type, narrow lobed leaf, elliptical to long tubers, pinkish red skin and cream coloured flesh, tolerant to sweet potato weevil, suitable for culinary purpose, duration: 90-100 days	Chhattisgarh
33	Indira Nandini	2007	IGKV	25	Semi spreading plant type, broad lobed leaf, elliptical to round tubers, red skin and cream flesh, good culinary quality, tolerant to sweet potato weevil, duration: 120 days	Chhattisgarh
34	Kamala Sundari	2008	BCKV	27	Spreading type, cordate leaf, long elliptical tubers, orange skin and vibrant orange coloured tuber flesh with beta carotene: 8.20 mg/100g, Vitamin C: 17.74 mg/100g, duration: 110-120 days	West Bengal
35	Bidhan Jagannath	2011	BCKV	26-27	Medium spreading type, semi elliptical lobed leaf, uniform oblong shaped tubers, red skin colour and deep orange coloured flesh, beta carotene: 3.5-5mg/100 g, duration: 4 months	West Bengal
36	CO 5	2013	TNAU	25	Vigorous spreading type, cordate shaped leaves, oblong shaped tubers, pink skin and orange flesh, carotene:2 mg/100g, tolerant to weevil infestation (11-15%), duration: 135 days	Tamil Nadu (Coimbatore, Erode, Tiruppur, Namakkal, Salem districts)
37	Chhattisgarh Shakarkand Priya	2015	IGKV	28	Erect plant type, deep lobed and elliptical leaf, fusiform tubers, pink skin and pale yellow coloured tuber flesh,tolerant to sweet potato weevil, duration:100-110 days	Chhattisgarh, Tamil Nadu
38	Chhattisgarh Shakarkand Narangi	2015	IGKV	24	Erect plant type, deep lobed and elliptical leaf, fusiform tubers, purple red skin and orange-flesh (5.72 mg/100g beta carotene), duration: 90 days	Chhattisgarh, Andhra Pradesh
39	Bhu Sona	2017	ICAR-CTCRI	20-24	Spreading plant type, triangular leaf, tuber round elliptic, yellow skin & dark orange flesh (11.46-12.48 mg/100g), starch: 19-20%, tolerant to salinity(6-8 dS/m), duration: 105-110 days	Odisha
40	Bhu Kanti	2017	ICAR-CTCRI	22-24	Spreading plant type, triangular leaf, tuber elliptic, light yellow skin & orange flesh (6.49 mg/100g), tolerant to mid-season drought and salinity, duration: 105-110 days	Odisha
41	Bhu Ja	2017	ICAR-CTCRI	20-22	Semi-compact plant type, triangular leaf, tuber round elliptic, pink skin & orange flesh (5.49-6.40 mg/100g), good cooking quality, tolerant to salinity (6-8 dS/m), duration: 100-110 days	Odisha
42	Bhu Swami	2017	ICAR-CTCRI	20	Semi-compact plant type, triangular leaf, tuber round, white skin & white flesh, suitable for food and processing, tolerant to mid-season drought, excellent cooking quality, duration: 105-110 days	Odisha



43	Bhu Krishna	2017	ICAR-CTCRI	18-22	Semi-compact plant type, lobed leaf, tuber long elliptic, dark purple skin & dark purple flesh (90 mg/100g anthocyanin), tolerant to salinity, suitable for processing, duration: 110-120 days	Odisha				
44	Dr YSRHU- Arunima	2022	Dr. YSRHU	20-22	Semi spreading, slightly lobed with purple petioles, elliptic shaped tuber, purplish red skin, orange flesh, rich in beta carotene (6.56 mg/100 g), anti-oxidants and vitamin-A, relatively low incidence of sweet potato weevil, duration:90-100 days	Andhra Pradesh				
45	Rajendra Sakarkand-7	2024	Dr. RPCAU	25	Medium spreading type, green triangular leaves, red tuber skin, white flesh, tolerance to sweet potato weevil (<i>Cylas formicarius</i>), duration: 110-120 days	Bihar				
46	Bhu Arunima	2025	ICAR-CTCRI	25	Spreading type, lobed leaf, elliptic shaped tuber, purple skin and flesh, anthocyanin content- 133-157 mg/100g, duration: 110-120 days	Odisha				
	C. GREATER YAM (17)									
1	Sree Keerthi	1987	ICAR-CTCRI	25-30	Conical tuber with rough texture, brown skin, yellowish cortex and white flesh colour, resistant to anthracnose disease, tolerant to scale insect during storage, suitable for intercropping in mature coconut gardens as well as with banana, duration: 9-10 months	Kerala				
2	Sree Roopa	1987	ICAR-CTCRI	25-30	Digitate, smooth tuber with black skin, purple cortex and white flesh colour, excellent cooking quality, resistant to scale insect during storage, duration: 9-10 months	Kerala				
3	CO 1	1991	TNAU	28	Long cylindrical tuber, brown skin, creamy white flesh, field tolerant to scale insect, duration: 8-8.5 months	Tamil Nadu				
4	Sree Shilpa	1998	ICAR-CTCRI	40.4	Medium sized oval tubers, black skin, yellow cortex, white flesh, world's first hybrid variety excellent cooking quality, duration: 8 months	Kerala (Coastal and interior plains)				
5	Indu	1998	KAU	3.93 kg/plant	Digitate tuber, brownish black skin, white cortex and flesh, recommended for cultivation in the reclaimed alluvial soils of Kuttanad, duration: 8-9 months	Kerala				
6	Konkan Ghorkand	2000	Dr. BSKKV	17	Spherical tuber, brown skin and snow white with purple tinge flesh, good cooking quality,	Maharashtra (Konkan region and adjoining area)				
7	Sree Karthika	2004	ICAR-CTCRI	30	Medium long, oval tuber with greyish black skin, with pink cortex and white flesh colour, excellent cooking quality, tolerant to anthracnose disease, duration: 9-10 months	Kerala, Maharashtra, Chhattisgarh				



8	Orissa Elite	2005	ICAR-CTCRI	20-25	Long cylindrical tuber, dark brown skin, cream cortex and cream flesh colour, field tolerant to scale insects and mealy bugs, duration: 6-7 months	Odisha
9	Sree Swathy	2011	ICAR-CTCRI	25	Medium conical irregular tuber, dark brown skin, yellowish cortex, white flesh colour without browning, drought tolerant and resistant to anthracnose disease, good cooking and nutritional quality, duration: 9 months	Kerala
10	Sree Neelima	2014	ICAR-CTCRI	33	Conical tuber, dark brown skin, dark purple cortex and light purple flesh colour, good cooking and nutritional quality, duration: 9 months	Kerala
11	Bhu Swar	2017	ICAR-CTCRI	20-25	Long cylindrical to irregular tuber, brown skin, yellow cortex, cream flesh, excellent cooking quality, duration: 6-7 months	Odisha
12	Sree Nidhi	2017	ICAR-CTCRI	35	Cylindrical tubers, brown skin, light pink cortex and white flesh without browning, good culinary quality, tolerant to anthracnose disease, duration: 8-9 months	Kerala, Odisha
13	Chhattisgarh Ratalu-1	2018	IGKV	25	Tuber cylindrical long, dark brown skin, dark brown cortex, purplish white flesh colour, tolerant against anthracnose disease, excellent cooking and culinary quality, duration: 6-7 months	Chhattisgarh, Gujarat
14	Hemlata	2019	NAU	18.48	Long tuber, dark brown skin, purple flesh, low anti-nutritional factor-diosgenin, moderately resistant to a n t h r a c n o s e d i s e a s e, duration: 8.5-9 months	Gujarat
15	Chhattisgarh Ratalu-2	2022	IGKV	25	Cylindrical tuber, yellowish cream skin, yellowish white cortex, yellow cream flesh, moderate resistant against anthracnose disease, duration: 7-8 months	Chhattisgarh, Rajasthan
16	Sree Hima	2022	ICAR-CTCRI	35-45	Medium sized digitate fused tuber, dark brown skin, purple cortex, white flesh, excellent cooking quality, duration: 7-8 months	Kerala
17	Dr. YSRHU- Sabari	2022	Dr. YSRHU	45-50	Oblong-oval tuber, dark brown skin, creamy white flesh, good cooking quality, suitable for making chips, less susceptible to anthracnose disease, duration: 8-9 months	Andhra Pradesh
				D. LESS	SER YAM (3)	
1	Sree Latha	1983	ICAR-CTCRI	25	Oblong to fusiform tuber shape, greyish brown skin, creamy white flesh, excellent cooking quality, low starch (18-19%), duration: 8 months	Kerala, Bihar, Maharashtra, Andhra Pradesh, Assam, West Bengal
2	Konkan Kanchan	1984	Dr. BSKKV	18	Long cylindrical tuber with blunt ends, yellowish light brown skin, white flesh, duration: 7 months	Maharashtra (Konkan region and adjoining areas)



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3	Sree Kala	1993	ICAR-CTCRI	20	Oval and smooth tubers, brown skin, white flesh, excellent cooking quality, duration: 7-8 months	Kerala			
	E. WHITE YAM (6)								
1	Sree Priya	1987	ICAR-CTCRI	35	Cylindrical tubers with smooth texture, brown skin, white flesh, drought tolerant, suitable for intercropping in mature coconut garden as well as banana, duration: 9-10 months	Kerala			
2	Sree Subhra	1987	ICAR-CTCRI	35	Cylindrical partly hairy tubers, brown skin, white flesh, excellent cooking quality with good flavour, duration: 9-10 months	Kerala			
3	Sree Dhanya	1993	ICAR-CTCRI	25	Cylindrical partly hairy tuber, brown skin, white flesh colour, dwarf bushy variety suitable for closer spacing, duration: 9-10 months	Kerala			
4	Sree Haritha	2017	ICAR-CTCRI	46	Compact cylindrical tubers with smooth texture, brown skin, white flesh colour, excellent cooking quality with good flavour, duration: 9-10 months	Kerala			
5	Sree Swetha	2017	ICAR-CTCRI	30	Cylindrical tuber, brown skin, white flesh colour, dwarf bushy variety suitable for closer spacing, duration: 9 months	Kerala			
6	Sree Dhrona	2024	ICAR-CTCRI	35	Cylindrical compact smooth tuber, beige coloured skin, light cream flesh, duration: 8-9 months	Kerala			
				F. AERI	AL YAM (2)				
1	Chhattisgarh Dang Kanda-1	2020	IGKV	15	Round with rough surfaced tuber, dark brown skin, light yellow flesh, free from leaf spot disease, duration: 4-5 months	Chhattisgarh			
2	Konkan Kalika	2024	Dr. BSKKV	5	Round aerial bulb, black skin, pale yellow flesh, good cooking quality, average aerial bulb weight 56 g, duration: 120 days	Maharashtra (Konkan region and adjoining areas)			
				G. TAR	O/ ARVI (25)				
1	Satamukhi	1983	SKLTGHU	20-25	Oblong elliptical corms and cormels, brown skin, white flesh, moderately resistant to leaf blight, duration: 180 days	Andhra Pradesh, Bihar, West Bengal, Tamil Nadu, Kerala, Bihar			
2	Sree Pallavi	1987	ICAR-CTCRI	16-18	Conical big corms, club shaped small cormels, brown skin, white flesh, good cooking quality, field tolerant to leaf blight and dasheen mosaic virus, duration: 7 months	Kerala			
3	Sree Rashmi	1987	ICAR-CTCRI	18-32	Cylindrical big corms, conical medium sized cormels, brown skin, white flesh, field tolerant to dasheen mosaic virus, duration: 7 months	Kerala			
4	CO 1	1991	TNAU	24-28	Round corms, oval cormels, light brown skin, white flesh, good cooking quality, moderately susceptible to leaf blight, duration: 180 days	Tamil Nadu			



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5	Narendra Arvi-1	1999	NDUAT	15-23	Round, clubbed shaped corms, medium sized cormels, suitable for table purpose, less acrid, least infection of <i>Phytophthora</i> leaf blight, duration: 170-180 days	Uttar Pradesh
6	Narendra Arvi-2	1999	NDUAT	16-24	Medium sized round corms, medium club shaped cormels, suitable for table purpose, less acrid, soft and easy to cook, tolerant to <i>Phytophthora</i> leaf blight, duration: 180-195 days	Uttar Pradesh and Bihar
7	Bidhan Chaitanya	2000	BCKV	14-15	Elliptical corms, light brown skin, white flesh, non-acrid type; good cooking quality, duration: 5-6 months for vegetable purpose, 9 months for seed purpose	West Bengal
8	Bidhan Joydev	2001	BCKV	14-16	Spherical corms, elongated cormels, greyish brown skin, white flesh, non-acrid type; tolerant to leaf blight; duration: 5-6 months for vegetable purpose, 9 months for seed purpose	West Bengal
9	Muktakeshi	2002	ICAR-CTCRI	20-30	Round corms, cylindrical cormel, light grey skin, white flesh, excellent cooking quality and non-acrid, resistant to taro leaf blight under field condition, suitable for uplands and lowlands during summer and rainy seasons, duration: 5-6 months	Odisha, Chhattisgarh and Jharkhand
10	Indira Arvi-1	2003	IGKV	22	Round medium corms, clubbed shape cormels with blunt ends, light brown skin and white flesh, suitable for culinary purpose, soft and easy to cook, non acrid, tolerant to pest and leaf blight disease, duration: 7-8 months	Chhattisgarh and Madhya Pradesh
11	Sree Kiran	2004	ICAR-CTCRI	17.5	Oval shaped corm, round to oval shaped cormel, light brown skin, white flesh, first hybrid taro variety in India, good cooking quality, long keeping quality (60 days), duration: 190-210 days	Kerala
12	Pani Saru-I	2005	ICAR-CTCRI	15-18	Round shaped corm, elliptic shaped cormel, white skin, white flesh, good cooking quality, field tolerant to leaf blight; can be grown in upland and low / submerged condition, duration: 6-7 months	Odisha (Coastal areas)
13	Pani Saru-II	2005	ICAR-CTCRI	13-18	Round shaped corm, round to elliptic shaped cormel, white and brown skin, white flesh, good cooking quality, field tolerant to leaf blight, can be grown in upland and low land / water logged / swampy conditions, duration: 6-7 months	Odisha



14	Bhavapuri	2006	Dr. YSRHU	28-30	Stout, solid, fleshy corm with medium size conical shape cormels, brown skin, white flesh, suitable for <i>Kharif</i> season, low in oxalic acid content (0.18%) on fresh weight basis, good cooking quality, duration: 240-250 days	Andhra Pradesh and Telangana (Coastal region)
15	Rajendra Arvi-1	2008	Dr. RPCAU	16	Spherical corm, cylindrical cormels, white and brown skin, white flesh, excellent cooking quality, duration: 170-180 days	Bihar, Jharkhand and Chhattisgarh
16	Chhattisgarh Arvi-2	2015	IGKV	24	Round corms and cormels, light brown skin, cream flesh, excellent cooking quality, resistant to leaf blight,duration: 170-180 days	Chhattisgarh
17	Bhu Kripa	2017	ICAR-CTCRI	15-20	Corm round; cormel round, brown skin, white flesh, non-acrid with excellent cooking quality, biotic and a biotic stress tolerant, duration: 6-7 months	All over Odisha
18	Bhu Sree	2017	ICAR-CTCRI	15-20	Corm round, cormel elliptic, light brown skin, white flesh, tolerant to stress, good cooking quality, duration: 5-6 months	Odisha
19	Godavari Chema	2017	Dr. YSRHU	24-25	Round corms, medium sized bold and round cormels, brown in colour, white flesh, tubers are low in oxalic acid content (0.19% on fresh weight) with good cooking quality, suitable as pure crop as well as inter crop in banana and coconut plantations, less susceptible to <i>Phytophthora</i> leaf blight disease, duration: 50-165 days	Andhra Pradesh
20	Bidhan Mitra Kachu	2019	BCKV	17-18	Cylindrical corms, oblique round cormels, greyish skin, white flesh, non-acrid type, good cooking quality, resistant to <i>Phytophthora</i> leaf blight, duration: 180 days	West Bengal
21	Megha Taro 2	2021	ICAR, RC-NEH	18.81	Round corms, obovoid cormels, brown skin and white flesh, low in calcium oxalate, suitable for leaf, petiole, corm and cormel purposes, duration: 180-220 days	Meghalaya, Bihar, Jharkhand and Andaman and Nicobar Islands
22	Sree Hira	2023	ICAR-CTCRI	18-20	Conical corms, elliptical cormels, brown skin, white flesh, suitable for rainfed uplands and irrigated medium and lowlands, good cooking quality and low acridity, tolerant to leaf blight disease, duration: 6 months	Odisha
23	Sree Telia	2023	ICAR-CTCRI	10-12	Conical corms, elliptical cormels, brown skin, white flesh, susceptible to leaf blight, but escapes leaf blight disease due to early harvest, good cooking quality and low acridity, duration: 4 months	Odisha
24	Rajendra Arvi-2	2024	Dr. RPCAU	18	Spherical corm surrounded by 8-10 cylindrical cormels, cormels are non-irritant and with excellent cooking quality, duration: 170-180 days	Bihar



25	Konkan Manohar	2024	Dr. BSKKV	14.62	Cylindrical corms and cormels, creamish white corms and cormels, moderately resistant to Phytophthora leaf blight disease,	Maharashtra (Konkan region and adjoining areas)			
	duration: 150-180 days H. DASHEEN TARO (BUNDA) (2)								
1	Narendra Bunda-1	1999	NDUAT	38-42	Medium sized cylindrical corms, medium sized elliptical cormels, suitable for table purpose with less acridity, soft and easy to cook, duration: 180-195 days	Uttar Pradesh and Arunachal Pradesh			
2	Chhattisgarh Shakhen Bunda-1	2019	IGKV	31	Elongate corms, narrow elongated and curved cormels, creamish white skin, off white flesh, excellent cooking and culinary quality, good shelf life, duration: 5-6 months	Chhattisgarh			
	I. XANTHOSOMA (TANNIA) (2)								
1	Konkan Haritparni	2000	Dr. BSKKV	3.44	Cylindrical corms and cormels, darkbrown coloured corms and whitish coloured flesh, good cooking quality, leaves and cormels are edible, duration: 190-210 days	Maharashtra (Konkan region and adjoining areas)			
2	Navsari Pari	2023	NAU	10.02	Round corm, slender and oblong cormels, brown skin and whitish yellow flesh colour, lower population of aphid as well as less prevalence of <i>Phytophthora</i> leaf blight and corm rots, duration: 270-300 days	Gujarat			
			J. E	LEPHAN	NT FOOT YAM (8)				
1	Gajendra	1991	Dr. YSRHU	45	Smooth corm with almost no cormels, brownish black skin, yellow with orange tinge flesh, having negligible acridity and good culinary quality, duration: 210-240 days	Andhra Pradesh, Tamil Nadu, Kerala, West Bengal			
2	Sree Padma	1998	ICAR-CTCRI	20-36	Globose shaped corms, brown skin, cream flesh, excellent cooking quality, field tolerant to collar rot, duration: 7-8 months	Kerala			
3	Bidhan Kusum	2002	BCKV	40-45	Globose flat shaped corms, brown skin, cream flesh, non-acrid type, good cooking quality, duration: 6-7 months for vegetable purpose, 9-10 months for seed purpose	West Bengal, Andhra Pradesh, Bihar			
4	Sree Athira	2006	ICAR-CTCRI	40.5	Globose corm shape, brown tuber skin, pink tuber flesh colour, excellent cooking quality, tolerant to collar rot (<i>Sclerotium rolfsii</i>) and mosaic disease, first genetically improved variety released in this crop, duration: 9-10 months	Kerala			
5	Narendra Asha	2011	NDUAT	45-50	Globose with 2-4 cormels, brown skin, cream flesh, good cooking quality with slight acridity, susceptible to mosaic and tolerant to collar rot disease, duration: 6-9 months	Uttar Pradesh, Uttarakhand, Himachal Pradesh			
6	Swagata	2020	NAU	44.84	Round to elliptical corms, brown skin, light orange colour flesh corm, tolerant to collar rot disease, duration: 170-180 days	Gujarat			



7	CO 1	2022	TNAU	49.87	Flat round tubers, dark brown skin, light yellow flesh, low oxalate	Tamil Nadu			
\	COT	2022	INAU	49.07	content: 0.1%, duration: 240-250 days	Tallili Naqu			
8	Dangi Suran	2024	NAU	48.98	Round to elliptical, brown skin, orange fleshed corm, recommended for <i>kharif</i> season, devoid of acridity, showed field resistance against collar rot and moderate resistance against <i>Phytophthora</i> leaf blight, duration: 8-9 months	Gujarat			
K. CHINESE POTATO (4)									
1	CO 1	1991	TNAU	31-35	Round to oval tubers, brown skin, creamy white flesh, first variety of chinese potato, duration: 6-7 months	Tamil Nadu			
2	Sree Dhara	1993	ICAR-CTCRI	25-28	Round tubers, dark brown skin, cream flesh, susceptible to root knot nematode (<i>Meloidogyne incognita</i>), duration: 5 months	Kerala, Tamil Nadu			
3	Nidhi	2001	KAU	18-20	Oblong tubers, dark brown skin, off white coloured flesh, duration: 5 months	Kerala			
4	Suphala	2006	KAU	15.93	Capsule shaped tubers, dark brown skin, yellowish white flesh, duration: 4-5 months	Kerala			
			L. EAS	T INDIA	AN ARROWROOT (1)				
1	Chhattisgarh Tikhur-1	2018	IGKV	25	Round corms with elongated fingers, white flesh, excellent cooking and culinary quality of starch, 14% starch, duration: 150-160 days	Chhattisgarh			
			M. WES	ST INDIA	AN ARROW ROOT (3)				
1	Sree Nakshathra	2024	ICAR-CTCRI	32-39	Cylindrical obovoid tubers, white flesh, starch content of 26.63% and starch yield of 8.59 t ha ⁻¹ , duration: 9-10 months	Chhattisgarh and Jharkhand			
2	Sree Karti	2024	ICAR-CTCRI	23-42	Cylindrical obovoid tubers, white flesh, starch content of 21.52% and starch yield of 5.07 t ha ⁻¹ , duration: 9-10 months	Kerala, Tamil Nadu and Manipur			
3	Sree Aadya	2024	ICAR-CTCRI	30-49	Cylindrical obovoid tubers, white flesh, starch yield of 5.95 t ha ⁻¹ , duration: 9-10 months	Kerala			
				N. YAN	M BEAN (4)				
1	Rajendra Mishrikand-1	1992	Dr. RPCAU	35-45	Round conical tuber, white flesh, contain less sugar and fibre content, mature seeds posses Rotenone, duration: 110-140 days	North Bihar, West Bengal			
2	Rajendra Mishrikand-2	2012	Dr. RPCAU	35-40	Long conical tuber, white flesh, contain more sugar and fibre content and mature seeds posses Rotenone, duration: 100-110 days				
3	Rajendra Mishrikand-3	2023	Dr. RPCAU	35-36	Long conical tuber, white flesh, contain more sugar and fibre content, duration: 120-140 days				
4	Bhu Shakarkanda-1	2025	ICAR-CTCRI	33	Round shaped tuber, white coloured flesh, contains high source of vitamin C, duration: 120 days	Odisha			



References

- 1. Devi, A.K.B., Piloo, N.G., Meinam, C., Singh. K.J. and Keisham, B. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. CAU, Imphal.
- 2. George, J., Kumar, P.S., Unnikrishnan, M. 2012. *Description of recommended/ released varieties under AICRP on tuber crops 1975-2011*. ICAR-All India Coordinated Research Project on Tuber Crops, ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala, India, p.122.
- 3. Himani. B. Patel., Intwala, C.G. and Desai, G.B. 2024. Technical folder on Profile of AICRP on Tuber Crops. NAU, Navsari.
- 4. Imamsaheb Jatth. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. RHREC, Bagalkot.
- 5. Janaki, M., Sunitha, P. and Priyanka, A.P. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. Dr. YSRHU, Peddapuram.
- 6. John, K.S. and Sunitha, S. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. ICAR-CTCRI, Thiruvananthapuram.
- 7. Mamatha, K., Sivakumar, V. and Kameswari, L.P. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. Dr. YSRHU, Kovvur.
- 8. Mukherjee, A, Sheela, M.N., Asha, K.I., Devi, A.A., Anil, S.R, Radhika, N.K. and Kumar, K.M.S. 2019. *Tuber crop varieties released by ICAR-Central Tuber Crops Research Institute*. Technical Bulletin No. 77, ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala, India.
- 9. Nair, S.G., Unnikrishnan, M., Sheela, M.N., Abraham, K., Vimala, B., Sreekumari, M.T. and Amma, C.S.E. 1998. *Tuber crop varieties released by ICAR-Central Tuber Crops Research Institute*. ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala, India.
- 10. Nedunchezhiyan, M. and Pati, K. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. RS, ICAR-CTCRI, Bhubaneswar.
- 11. Pradnya, S.G. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. BSKKV, Dapoli.
- 12. Sunitha, S., George, J, Sheela, M.N., Kumar, J.S. and Mukherjee, A. 2018. *Tuber crops varieties released/ recommended for release by AICRP on tuber crops over five decades.* ICAR-All India Coordinated Research Project on Tuber Crops, ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala, India, p.140.
- 13. Surajit Mitra. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. BCKV, Kalyani.
- Suresh, V. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. SKLTGHU, Rajendranagar.
- 15. Talang, H. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. RC, NEH, Meghalaya.
- Thakur, P. and Naik, U. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. IGKV, Jagdalpur.
- 17. Thangamani, C., Rani, C.I., Kaviyarashi, S. and Velmurugan, M. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. TNAU, Coimbatore.
- 18. Velmurugan, M., Thangamani, C., Venkatachalam, S.R. and Rani, C.I. 2024. Technical folder on Profile of ICAR-AICRP on Tuber Crops. TNAU TCRS, Yethapur.





