

Characteristics of popular rice landraces in Tamil Nadu

S. No.	Common/ Local Name	Characteristics and Benefits	Insect-Pest and Disease Resistance/ Climate-Resilience	Medicinal Value and Other Uses	Duration (Days)	Yield (t/ha)
1	Kuli Vedichan	Good for sandy clay, saline and alkaline soils and coastal areas	Drought, pest- and disease-resistance	Good for lactating women	110	2.4
2	Sooran Kuruvai	Dark brown grain with granular texture	Drought, flood and cyclone tolerance	Reduces body weight	130–135	3.0
3	KudaiVazhi	Red rice with granular texture, suitable for idly, dosa preparation	Suitable for water logging drought and flood conditions	Cures digestive issues	120–125	3.5
4	Kalurundai	Bold rice with yellow and black color strips. Good for saline soils.	Resistant to insect-pests and diseases; drought, flood and cyclone tolerance	Straw used for roof thatching purposes	120	3.5
5	Soolai Kuruvai	Good in clay-loam and coastal saline soils, bold and brown color grain.	Suitable for irrigated and rainfed and drought, flood tolerance	Straw used for cattle feed and roof thatching	130–140	2.8
6	Val Sivappu	Red rice, good for saline sandy clay	Drought, flood and cyclone tolerance	-	145–150	2.3
7	Chinna Ponni	Yellow color grain	Drought- and flood-tolerant	-	140	-
8	Kichedi Samba	Pale white color grain	Resistant to pests, diseases, drought and flood	Good for some skin diseases	140	2.8
9	Vai Kunda	Good for direct-sowing and transplanting	Tolerant to drought, flood and weeds	-	145–150	3.4
10	Pichavari	Good for direct-seeding and transplanting	Tolerant to drought, flood and cyclone	-	110–120	4.8
11	Seeraga Samba	Small fine grain. Useful for biryani preparation.	Drought, flood and cyclone resistance	It is an aromatic rice	120–130	3.7

12	Vellai Kuruvai Kar	Yellow color grain. Good for direct sowing in upland conditions	Insect-pest and disease, drought and flood tolerance	Good for meal, idli and dosa preparation	120–135	3.5
13	Mappilai Samba	Small ovular grain. Rich in fiber	Tolerant to drought, flood and cyclone	Treats mouth ulcers, digestion disorders and diabetes	160 days	-
14	Thuya Malli	White grain with fine quality	Pest and disease resistance	Increases nerve strength	140	3.0
15	Karuppukavuni	Black rice suitable for direct-sowing in red and black soils, drylands	It requires lower quantities of water having non-lodging habits	Good for making sweets	150–170	4.5
16	Poongkar	Tall cultivar, good for coastal sandy and saline soils	It grows well in rainfed conditions	It gives physical strength	80–90	1.0
17	Sigappukavuni	Red rice contains high levels of anti-oxidants, rich in vitamin B6	Drought tolerance	Prevents heart diseases, asthma and obesity	140	-
18	Muttakar	Red rice with coarse quality	Drought tolerant	-	120	3.2
19	Neelan Samba	Red rice with course quality	Brown plant hopper-(BPH) and earhead bug-resistant	Good for lactating women	175–180	-
20	Kavuni	Black rice rich in iron and vitamin E. Good for making noodles and cakes	-	Good food for pregnant women	-	-
21	Pisini	Red rice with coarse quality. Good for making dosa, porridge and aval	Drought tolerant	High level of anthocyanin, an antioxidant	120	3.7
22	Karudan Samba	White rice with fine quality	Pest and disease-resistant	Gluten-free rice	165	3.4
23	Kaattuyanam	Tall variety good for making idly, dosa, flattened rice	Good for flood conditions	Treats diabetes and heart diseases	170	3.2
24	Kottara samba	Red rice good for idly, dosa, and gruel purposes. Gluten free grain	Resistant to pests and diseases	High fiber, treats diabetics and helps to lower cholesterol	150	-

25	Kullakkar	Good for idly, flake rice, dosa, vermicelli and porridge.	Good for alkaline soils. Hardy plant, resistant to pests and drought	High zinc and iron content. Lowers bad cholesterol and blood sugar	90–105	3.0
26	Arupatham Kuruvai	Red rice good in rainfed areas. Useful for making idly, dosa, puttu and meals	Suitable for all seasons. It can be cultivated five times within a year	Prevents diabetes and good for heart health and bones	60	-
27	Kaivara samba	Small bold grain rice good for idly, dosa, and meals	Drought, flood, cyclone, salinity, pest and disease resistance	Good for diabetic Patients	140	3.4
28	Karunkuruvai	Red rice useful in Siddha medicine. Removes impurities, toxins and controls bad cholesterol	-	Treats arthritis, elephantiasis and chicken pox. Controls diabetes and improves immunity	90–110	-
29	Kaalanamak	Fine quality scented rice. Easily digestible with longer shelf-life.	Resistant to panicle blast. Performs well in saline and sodic soils of pH 9.0 to 9.5	Treats diseases related to kidney, skin, blood and brain.	-	-
30	Pullangadu	-	-	Good for diabetes and treating paralytic attacks	90–110	-
31	Perungar	Good for preparing idly and dosa	Stem borer-, earhead bug-resistant. Good for water logging conditions	-	120–130	3.5
32	Samba Mozsanam	Red rice with coarse quality good for dry-sowing and transplanting	Good for growing in vicinity of lakes	Good for idly, dosa flattened rice preparation	160–165	4.5
33	Vadan Samba	Dull white grain with coarse quality	Drought, pest/disease resistance	-	155–160	3.0
34	Sembalai	Dull white grain	Resistant to pests and diseases	-	100–105	2.8
35	Thang Samba	Fine and long grain with	-	Improves condition of	150–165	3.7

		golden color		skin		
36	Kaliyan Samba	Red rice	Good in low laying areas	Resistant to pests and diseases	140	3.0
37	Puluthikaar	Red color bold rice.	Good for rainfed land and gardens	Resistant to drought	125–130	3.8
38	Kuthiraival samba	Yellow rice	Resistant to lodging, waterlogging, pest and diseases	-	140–150	3.3
39	Chandikaar	Good for black, red and saline soil	Resistant to blight disease and lodging	Fast growing nature	-	2.0
40	Kuliparichan	Tall variety. In grain, outer color is dark and inner is white	Suitable for coastal sandy soils, drought-resistant	Cooked rice has long shelf-life	-	2.5
41	Vellaiponni	Fine grain quality	Good for alkaline and saline soils	Good for raw rice and fodder	-	-
42	Norungan	Rich in iron, magnesium and vitamins	-	Regulates good cholesterol	120	4.6
43	Aathurkichili	Small sized grain. Rich in calcium and iron	-	Ideal for meals. Good for diabetics	150	3.6
44	Illupaipoo	Samba White rice with fine quality	Suitable for overcoming natural calamities	Treats paralysis and increased body heat, diabetes and joint pains	105–135	-
45	Kuzhi Adhichan	Red rice rich in antioxidants and calcium	Good in saline soils, resistant to drought	Good for lactating women	120	-
46	Sadakar	Grown in sandy soils	Pest- and disease-resistant (except leaf folders)	-	-	-
47	Kottuponni	Red colored bold rice. Good for inter-cropping with coconut and banana	Drought tolerant, pest- and diseases-resistant	Rich in protein, fiber and calcium	120–140	-

48	Milagu Samba	White and fine rice. Resembles pepper. Good for making gruel	-	Controls joint pains, gives strength	115–130	-
49	Salem Senna	Long slender grain. Good for making gruel	-	Good for bones, muscles and nerves	135–140	2.5
50	Sanna Samba	Light brown rice	Good in sandy clay soils	Good for making idli and dosa	140	-
51	Rasagadam	White rice with fine quality good for making pongal	Suitable for mountainous regions. Good in sandy clay and alluvial soils	-	125	-
52	Kamban Samba	Dull white rice with fine quality	Good in clay soil and suitable for SRI planting	Good for making pongal	120	-
53	Varappukkodanchan	Red rice good for rice gruel. Good in rainfed farming.	Drought tolerance and pest resistance	Good energy supplement	90–100	2.2
54	Poovan Samba	Red and bold rice	-	Good for food consumption	150	-
55	Sempili Samba	-	Highly resistant to pests and diseases	-	120	-
56	Valaan Samba	Good for women's health, particularly pregnant women	Resistant to pest and diseases	Strengthens pelvis bone. Supports normal delivery	140	-
57	Rajamudi	Good for making idly, dosa, idiyappam, puttu and meals	Pest and disease resistance	Gives high immunity against diseases	135–140	
58	Sornamusiri	Scented rice, good for biriyani preparations	-	It gives strength	150	-
59	Kanda Sali	Aromatic rice good for pongal preparation	Tolerance against floods, heavy winds	-	125	-
60	Sornavaari	Good for idli, dosa preparation	Tolerant to drought	-	120	-
61	Paal Kudavaalai	Rich in antioxidants and fiber	Flood, pest and disease resistance	Good for diabetes, intestine ailments and constipation	130–145	-

62	Kaarnel	Good for making idli, dosa	-	-	130	-
63	Kappakkar	Brown rice good for making idly and dosa.	Good for clay soils	Resistant to pests and diseases, drought and waterlogging	150–160	3.5
64	Koompazhai	Brown rice with coarse quality.	Good in sandy soil and waterlogged areas	Straw used for roofing material	130–135	3.2
65	Sivappukuruvikaar	Brown rice with coarse quality. Good for making idly and dosa	Resistant to pests and diseases. Good in sandy clay soils	Heavy grain and good yielder. It delays hunger.	125–130	-
66	Karuthakkaar	Good fiber, manganese, selenium and thiamin contents	It requires more water to grow. Good in flood-affected areas	Good for diabetes, heart health.	140	-
67	Mathimuni	Red rice of moderate quality	Preferred cultivar in sandy clay, clay and alluvial soils	Good for making meals, idly and dosa	140–150	-
68	Ottadam	Hill area cultivar	Pest and disease resistance	Raises energy levels and alleviates tiredness	160–175	-
69	Navara	-	-	Good for diabetes patients, prevents premature hair-loss, rectifies basic illnesses affecting circulatory, respiratory and digestive systems. Ideal for anaemic patients.	140	-

(Source : Muralikrishnan *et al.*, 2021)