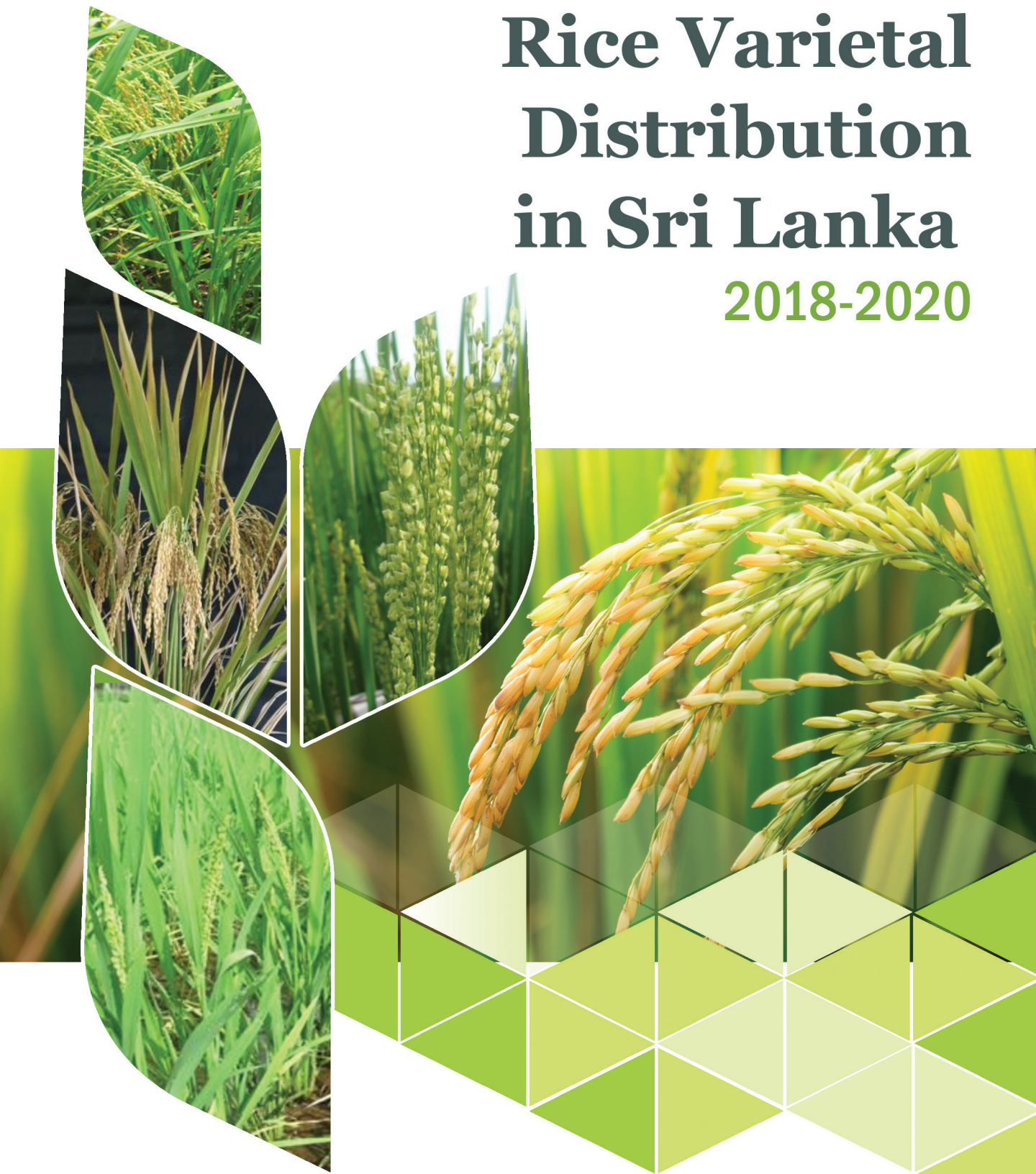


Rice Varietal Distribution in Sri Lanka

2018-2020



Rice Research and Development Institute
Department of Agriculture

June 2022



This newsletter provides information on rice varietal distribution in Sri Lanka for the period 2018 – 2020. Due to Covid – 19 impact, data collection for this newsletter experienced a delay.

Highlights

	Extent ('000 ha)	Production ('000 mt)	Productivity (mt/ha)
2020	1,208	5,120	4.8
2019	1,117	4,592	4.7
2018	1,041	3,930	4.4

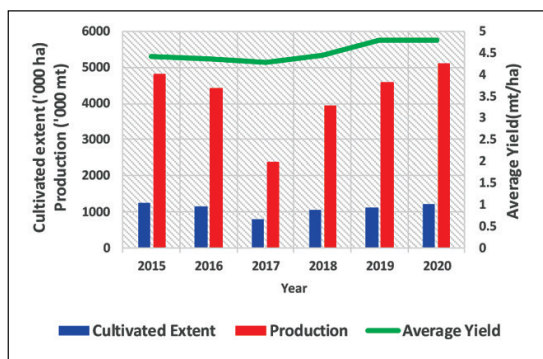
Source: Department of Census and Statistics

- At 362, Bg 352 and Bg 300 are the top three varieties grown.
- Bg 352 most popular in 2020 but in 2018 and 2019, it was At 362
- 3 ½ month varieties adopted, 76.30% in 2020, 77.02% in 2019 and 76.16% in 2018
- White pericarp varieties 78%- 2020, 78% - 2019 and 76% -2018.
- Red pericarp varieties adopted 22% in both 2020 and 2019, 24% in 2018
- Long grain (Nadu) varieties adopted 78% in 2020, 76% in 2019 and 76% in 2018.
- Short grain (Samba) varieties adopted 22% in 2020, 24% in 2019 and 24% in 2018
- New Improved Varieties (NIV) and Old Improved Varieties (OIV) as follows

	2020	2019	2018
NIV	99.1%	99.1%	98.77%
OIV	0.52%	0.68%	0.45%

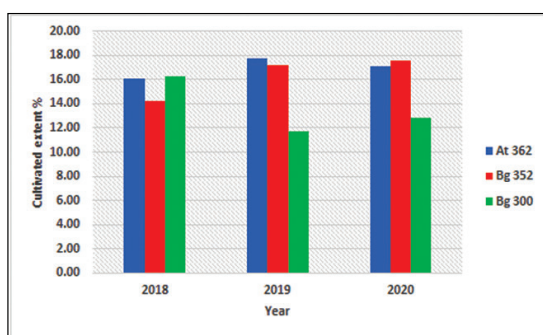
- Bg 409, Bw 312, Bg 375, Bg 314 and At 313 varieties were released in 2019 & 2020

Cultivated Extent, Production and Average yield of Paddy (2015 - 2020)



Source: Department of Census and Statistics

Top three rice varieties (2018 - 2020)



Grain Type Comparison (2017- 2020)

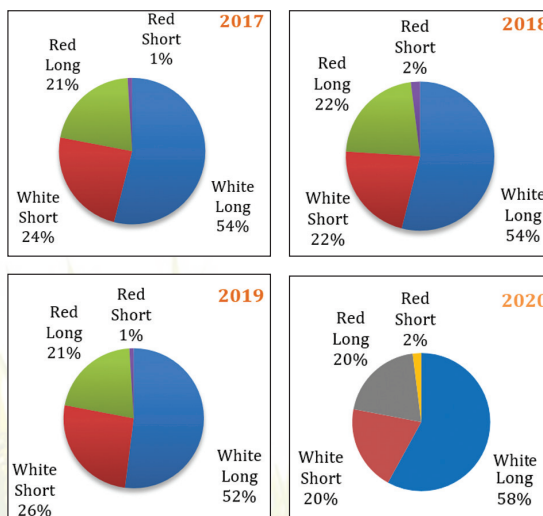


Table 01: Summary of rice varietal distribution in Sri Lanka, 2020

Age Group	Variety	Type	2019/20 Maha		2020 Yala		Annual		
			(ha)	%	(ha)	%	(ha)	%	
New Improved Varieties (NIV)									
2 1/2 month	Bg 250	White, LG	3,963	0.527	1,566	0.343	5,529	0.457	
	Bg 251	White, LG	467	0.062	1,022	0.224	1,490	0.123	
	Bg 252	Red, SG	2,639	0.351	693	0.152	3,333	0.276	
	Ld 253	Red, LG	457	0.061	773	0.169	1,230	0.102	
	Sub Total		7,526	1.001	4,054	0.889	11,581	0.958	
3 months	Bw 272-6b	Red, LG	802	0.107	1,169	0.256	1,971	0.163	
	Bg 300	White, LG	97,645	12.980	57,871	12.685	155,516	12.869	
	At 303	Red, LG	3	3.98E-06	32	0.007	35	0.003	
	Bg 304	White, LG	33	0.004	2	4.38E-06	35	0.003	
	Bg 305	White, LG	48	0.006	260	0.057	308	0.025	
	At 306	White, LG	5	6.64E-06	136	0.030	141	0.012	
	At 307	White, LG	18,990	2.524	8,783	1.925	27,773	2.298	
	At 308	White, LG	14,433	1.919	7,762	1.701	22,195	1.837	
	At 309	White, LG	12	0.002	0	0.000	12	0.001	
	Bg 310	White, LG	7,565	1.006	5,580	1.223	13,145	1.088	
	At 311	Red, LG	11	0.001	177	0.039	187	0.015	
	Other		8,184	1.088	5,457	1.196	13,641	1.129	
	Sub Total		147,731	19.639	87,228	19.120	234,960	19.443	
	3 1/2 month	Bg 94-1	White, LG	26,440	3.515	18,298	4.011	44,738	3.702
		Bg 94-2	White, LG	0	0.000	2	4.38E-06	2	1.65E-06
		Bw 267-3	White, LG	112	0.015	135	0.029	246	0.020
		Bg 350	Red, LG	2,291	0.305	1,363	0.299	3,654	0.302
Bg 352		White, LG	136,116	18.095	76,231	16.710	212,347	17.572	
At 353		Red, LG	835	0.111	409	0.090	1,244	0.103	
At 354		White, LG	355	0.047	0	0.000	356	0.029	
Ld 356		Red, SG	86	0.011	13	0.003	99	0.008	
Bg 357		White, LG	17,817	2.368	13,316	2.919	31,132	2.576	
Bg 358		White, SG	24,271	3.226	12,388	2.715	36,659	3.034	
Bg 359		White, LG	16,434	2.185	12,183	2.671	28,617	2.368	
Bg 360		White, SG	92,341	12.275	35,219	7.720	127,560	10.556	
Bw 361		Red, LG	21	0.003	36	0.008	57	0.005	
At 362		Red, LG	113,159	15.043	93,841	20.570	207,000	17.129	
Bw 363		White, LG	23	0.003	17	0.004	40	0.003	
Bw 364		Red, LG	834	0.111	597	0.131	1,431	0.118	
Ld 365		Red, SG	5,153	0.685	2,343	0.514	7,496	0.620	
Bg 366		White, LG	71,651	9.525	46,767	10.251	118,418	9.799	
Bw 367		White, SG	40,616	5.399	24,162	5.296	64,778	5.360	
Ld 368		Red, SG	4,464	0.593	5,239	1.148	9,703	0.803	
Bg 369	White, LG	531	0.071	172	0.038	703	0.058		

Rice Varietal Distribution in Sri Lanka (2018-2020)

Age Group	Variety	Type	2019/20 Maha		2020 Yala		Annual		
			(ha)	%	(ha)	%	(ha)	%	
3 ½ months	Bg 370	White, SG	1,317	0.175	1,025	0.225	2,342	0.194	
	Ld 371	White, SG	33	0.004	5	6.64E-06	38	0.003	
	Bw 372	Red, LG	3,119	0.415	4,663	1.022	7,782	0.644	
	At 373	White, SG	6	7.97E-06	0	0.000	6	4.96E-06	
	Bg 374	White, LG	3,540	0.471	2,693	0.590	6,233	0.516	
	Other		5,467	0.727	3,651	0.800	9,118	0.755	
	Sub Total		567,030	75.378	354,767	77.765	921,797	76.279	
4 - 4 1/2 months	Bg 379-2	White, LG	4,922	0.654	4,523	0.992	9,445	0.782	
	Bw 400	Red, LG	6	7.97E-06	0	0.000	6	4.96E-06	
	Bg 400-1	White, LG	264	0.035	38	0.008	302	0.025	
	At 402	Red, LG	13	0.002	14	0.003	27	0.002	
	Bg 403	White, LG	2,363	0.314	1,042	0.228	3,405	0.282	
	Bg 406	Red, LG	6,488	0.862	0	0.000	6,488	0.537	
	Ld 408	Red, LG	2	2.65E-06	10	0.002	12	0.001	
	Bg 450	White, SG	2,006	0.267	956	0.210	2,961	0.245	
	Bg 455	Red, LG	8	0.001	13	0.003	20	0.002	
	Pokuru samba	White, SG	4,378	0.582	1,790	0.392	6,168	0.510	
	Sub Total		20,448	2.718	8,386	1.838	28,834	2.386	
	5 - 6 months	Bg 745	White, SG	71	0.009	0	0.000	71	0.006
		Bg 3-5	White, LG	28	0.004	0	0.000	28	0.002
Bg 38		White, SG	297	0.039	3	0.001	300	0.025	
Sub Total			395	0.053	3	0.001	398	0.033	
Old Improved varieties									
3 1/2 months	Attakkari	Red, LG	5,262	0.699	847	0.186	6,109	0.506	
4 - 4 1/2 months	H 4	Red, LG	161	0.021	60	0.013	222	0.018	
	Sub Total		5,423	0.721	908	0.199	6,331	0.524	
Traditional varieties									
3 months	Pachcha-perumal	Red, LG	39	0.005	22	0.005	61	0.005	
	Sub Total		39	0.005	22	0.005	61	0.005	
3 1/2 months	Suwadel	White, SG	837	0.111	599	0.131	1,436	0.119	
	Kalu heenati	Red, LG	15	0.002	55	0.012	70	0.006	
	Madathawalu	Red, LG	33	0.004	47	0.010	80	0.007	
	Kahawanu	White, SG	5	6.64E-06	13	0.003	18	0.001	
	Batapolaal	Red, LG	23	0.003	0	0.000	23	0.002	
	Pokkali	Red, LG	1	1.32E-06	0	0.000	1	8.27E-05	
	Unakola samba	White, SG	270	0.036	17	0.004	287	0.024	
	Sub Total		1,183	0.157	732	0.160	1,915	0.158	

Rice Varietal Distribution in Sri Lanka (2018-2020)

Age Group	Variety	Type	2019/20 Maha		2020 Yala		Annual	
			(ha)	%	(ha)	%	(ha)	%
4 - 4 1/2 months	Sudu heenati	Red, LG	33	0.004	14	0.003	47	0.004
	Kurulu thuda	Red, LG	120	0.016	47	0.010	168	0.014
	Moddai-karuppan	Red, LG	1,729	0.230	0	0.000	1,729	0.143
	Gonabaru	White, LG	14	0.002	8	0.002	21	0.002
	Sub Total		1,896	0.252	69	0.015	1,965	0.163
5 - 6 months	Maa wee	Red, LG	4	5.31E-06	34	0.007	38	0.003
	Rathel	White, SG	77	0.010	3	6.57E-06	80	0.007
	Murungakayan	Red, LG	406	0.054	0	0.000	406	0.034
	Periya velladiyan	Red, LG	88	0.012	0	0.000	88	0.007
	Sub Total		576	0.077	37	0.008	613	0.051
Grand Total		752,248	100.000	456,206	100.000	1,208,454	100.000	

Note: LG=Long Grain (Nadu), SG=Short Grain (Samba), Pokuru Samba**not a recommended variety E-06 means 10-06

Table 02: Summary of rice varietal distribution in Sri Lanka, 2019

	Variety	Grain type	2018/19 Maha		2019 Yala		Annual		
			(ha)	(%)	(ha)	(%)	(ha)	(%)	
New Improved Varieties (NIV)									
2 1/2 months	Bg 250	White, LG	3126	0.418	3724	1.009	6850	0.613	
	Bg 251	White, LG	76	0.010	93	0.025	169	0.015	
	Bg 252	Red, SG	304	0.041	275	0.075	579	0.052	
	Ld 253	Red, LG	201	0.027	243	0.066	444	0.040	
	Sub Total		3707	0.496	4335	1.175	8042	0.720	
3months	Bw 272-6b	Red,LG	845	0.113	586	0.159	1431	0.128	
	Bg 300	White,LG	90521	12.101	40017	10.847	130538	11.687	
	At 303	Red,LG	15	0.002	140	0.038	155	0.014	
	Bg 305	White,LG	20	0.003	5	1.29E-05	25	0.002	
	At 306	White,LG	0	-	39	0.011	39	0.003	
	At 307	White,LG	19286	2.578	6950	1.884	26236	2.349	
	At 308	White,SG	22805	3.049	6855	1.858	29660	2.655	
	At 309	White,LG	6	8.02E-06	-	-	6	5.37E-06	
	Bg 310	White,LG	5578	0.746	4413	1.196	9991	0.895	
	At 311	Red,LG	180	0.024	487	0.132	667	0.060	
	Other		-	-	2145	0.581	2145	0.192	
	Sub Total		139256	18.616	61637	16.708	200893	17.986	
	3 1/2 months	Bg 94-1	White,LG	22889	3.060	14769	4.003	37658	3.372
		Bg 94-2	White,LG	0	-	121	0.033	121	0.011

Rice Varietal Distribution in Sri Lanka (2018-2020)

Variety	Grain type	2018/19 Maha		2019 Yala		Annual		
		(ha)	(%)	(ha)	(%)	(ha)	(%)	
Bw 267-3	White,LG	13	1.73E-05	8	2.16E-05	21	0.002	
Bg 350	Red,LG	741	0.099	29	0.008	770	0.069	
Bw 351	Red,LG	180	0.024	19	0.005	199	0.018	
Bg 352	White,LG	141605	18.930	50436	13.672	192041	17.194	
At 353	Red,LG	1133	0.151	533	0.144	1666	0.149	
At 354	White,LG	435	0.058	0	-	435	0.039	
Ld 356	Red,SG	65	0.009	0	-	65	0.006	
Bg 357	White,LG	15785	2.110	8814	2.389	24599	2.202	
Bg 358	White,SG	26775	3.579	9153	2.481	35928	3.217	
Bg 359	White,LG	21358	2.855	5542	1.502	26900	2.408	
Bg 360	White,SG	67677	9.047	55347	15.003	123024	11.014	
Bw 361	Red,LG	113	0.015	15	0.004	128	0.011	
At 362	Red,LG	117351	15.688	80650	21.862	198001	17.727	
Bw 363	White,LG	17	0.002	5	1.35E-05	22	0.002	
Bw 364	Red,LG	1010	0.135	392	0.106	1402	0.126	
Ld 365	Red,SG	6459	0.863	2110	0.572	8569	0.767	
Bg 366	White,LG	54169	7.242	32612	8.840	86781	7.770	
Bw 367	White,SG	57517	7.689	19963	5.411	77480	6.937	
Ld 368	Red,SG	4667	0.624	1343	0.364	6010	0.538	
Bg 369	White,LG	150	0.020	143	0.039	293	0.026	
Bg 370	White,SG	2112	0.282	744	0.202	2856	0.256	
Ld 371	White,SG	30	0.004	-	-	30	0.003	
Bw 372	Red,LG	3051	0.408	1554	0.421	4605	0.412	
Bg 374	White, LG	4659	0.623	1352	0.366	6011	0.538	
Other		7062	0.944	9028	2.447	16090	1.441	
Sub total		557023	74.466	294682	79.880	851705	76.254	
4-4 1/2 months	Bg 379-2	White,LG	6648	0.889	3363	0.912	10011	0.896
	Bg 380	White,LG	6	8.02E-06	-	-	6	5.37E-06
	Bw 400	Red,LG	8	1.05E-05	-	-	8	7.16E-06
	Bg 400-1	White,LG	231	0.031	50	0.014	281	0.025
	At 402	Red,LG	142	0.019	14	0.004	156	0.014
	Bg 403	White,LG	4227	0.565	1406	0.381	5633	0.504
	Bg 406	Red,LG	8460	1.131	-	-	8460	0.757
	Bg 407 H	White,LG	2	2.67E-06	-	-	2	1.79E-06
	Ld 408	Red,LG	6	8.02E-06	52	0.014	58	0.005
	Bg 450	White,SG	2424	0.324	1155	0.313	3579	0.320
	Bg 455	Red,LG	3	4.01E-06	5	1.35E-05	8	7.16E-06
	Pokuru Samba	White,SG	8863	1.185	906	0.246	9769	0.875
	Other		6636	0.887	113	0.031	6749	0.604
	Sub total		37656	5.034	7064	1.915	44720	4.004
5-6 months	Bg 745	White,SG	120	0.016	-	-	120	0.011
	Bg 3-5	White,LG	37	0.005	-	-	37	0.003

Rice Varietal Distribution in Sri Lanka (2018-2020)

Variety		Grain type	2018/19 Maha		2019 Yala		Annual	
			(ha)	(%)	(ha)	(%)	(ha)	(%)
	Bg 38	White,SG	232	0.031	31	0.008	263	0.024
	Other		73	0.010	-	-	73	0.007
	Sub Total		462	0.062	31	0.008	493	0.044
	Total N.I.V		738104	98.673	367749	99.686	1105853	99.008
Old Improved Varieties								
3 1/2 months	Attakkari	Red,LG	6685	0.894	649	0.176	7334	0.657
	Sub Total		6685	0.894	649	0.176	7334	0.657
4-4 1/2 months	H4	Red,LG	191	0.026	76	0.021	267	0.024
	Sub total		191	0.026	76	0.021	267	0.024
	Total O.I.V.		6876	0.919	725	0.197	7601	0.681
Traditional Rice Varieties								
3 months	Pachcha-perumal	Red,LG	155	0.021	15	0.004	170	0.015
	Sub total		155	0.021	15	0.004	170	0.015
31/2 months	Suwadel	White,SG	538	0.072	287	0.078	825	0.074
	Kalu Heenati	Red,LG	28	3.74E-05	30	0.008	58	0.005
	Madath-awalu	Red,LG	20	2.67E-05	9	2.43E-05	29	2.59E-05
	Kahawanu	White,SG	7	9.35E-06	3	8.13E-06	10	8.95E-06
	Pokkali	Red,LG	1	1.33E-06	0	-	1	8.95E-07
	Kahata wee	Red,LG	10	1.33E-05	6	1.62E-05	16	1.43E-05
	Sub total		604	0.081	335	0.091	939	0.084
4-4 1/2 months	Kurulu thuda	Red,LG	119	0.016	30	0.008	149	0.013
	Sudu Heenati	Red,LG	7	9.35E-06	-	-	7	8.95E-06
	Moddaika-ruppan	Red,LG	1145	0.153	-	-	1145	0.103
	Kahamaala	Red,LG	5	8.95E-06	-	-	5	4.47E-06
	Other		28	0.004	-	-	28	0.003
	Sub total		1304	0.174	30	0.008	1334	0.119
5-6 months	Maa wee	Red,LG	13	1.73E-05	4	1.08E-05	17	1.52E-05
	Murungakayan	Red,LG	721	0.096	-	-	721	0.065
	Rathel	White,SG	21	0.003	-	-	21	0.002
	Gonabaru	White,LG	8	1.06E-05	0	-	8	7.16E-06
	Maha Maa wee	Red,LG	78	0.010	3	0.001	81	0.007
	Unakola Samba	White,SG	143	0.019	45	0.012	188	0.017
	Sub total		984	0.132	52	0.014	1036	0.093
	Total Traditional		3047	0.407	432	0.117	3479	0.311
	Total		748027	100.000	368906	100.000	1116933	100.000

Note: LG=Long Grain (Nadu), SG=Short Grain (Samba), Pokuru Samba**not a recommended variety

Table 03: Summary of rice varietal distribution in Sri Lanka, 2018

	Variety	Grain Type	2017/18 Maha		2018 Yala		Annual		
			(ha)	%	(ha)	%	(ha)	%	
New Improved Varieties									
2 1/2 months	Bg 250	White,LG	7462	1.118	3599	0.539	11060	1.063	
	Bg 251	White,LG	154	0.023	441	0.118	595	0.057	
	Bg 252	Red,SG	1	1.51E-06	0	0	1	9.61E-07	
	Ld 253	Red,LG	0	0	1	2.68E-06	1	9.61E-07	
	Sub Total		7616	1.142	4040	1.081	11657	1.120	
3 months	Bw 272-6b	Red,LG	1007	0.151	1102	0.295	2109	0.203	
	Bg 300	White,LG	75536	11.321	48154	12.884	123690	11.882	
	At 303	Red,LG	177	0.027	23	0.006	200	0.019	
	Bg 304	White,LG	902	0.135	-	-	902	0.087	
	Bg 305	White,LG	440	0.066	25	0.007	465	0.045	
	At 306	White,LG	-	-	121	0.032	121	0.012	
	At 307	White,LG	25160	3.771	7950	2.127	33110	3.181	
	At 308	White,LG	16648	2.495	7765	2.078	24414	2.345	
	At 309	White,LG	155	0.023	-	-	155	0.015	
	Bg 310	White,LG	2073	0.311	2961	0.792	5033	0.484	
	At 311	Red,LG	1754	0.263	342	0.092	2096	0.201	
	Other		1	1.5E-06	6970	1.865	6972	0.670	
	Sub Total		123853	18.563	75414	20.177	199267	19.143	
	3 1/2 months	Bg 34-6	Red,LG	-	-	144	0.039	144	0.014
		Bg 94-1	White,LG	29693	4.450	11444	3.062	41137	3.952
Bw 267-3		White,LG	31	0.005	5	1.33E-05	36	0.003	
Bg 350		Red,LG	249	0.037	769	0.206	1018	0.098	
Bw 351		Red,LG	4	5.99E-06	0	0	4	3.84E-06	
Bg 352		White,LG	105969	15.883	74831	20.021	180801	17.369	
At 353		Red,LG	5080	0.761	223	0.060	5303	0.509	
At 354		White,LG	16	2.39E-05	30	8.02E-05	46	0.004	
Ld 356		Red,SG	70	0.011	16	4.28E-05	86	0.008	
Bg 357		White,LG	14945	2.240	9410	2.518	24355	2.340	
Bg 358		White,SG	34754	5.209	10776	2.883	45530	4.374	
Bg 359		White,LG	18490	2.771	12702	3.398	31191	2.996	
Bg 360		White,SG	63601	9.533	27273	7.297	90874	8.730	
Bw 361		Red,LG	405	0.061	71	0.019	475	0.046	
At 362		Red,LG	123852	18.563	72925	19.511	196777	18.904	
Bw 363		White,LG	95	0.014	38	1.01E-04	133	0.013	
Bw 364		Red,LG	1238	0.186	420	0.112	1658	0.159	
Ld 365		Red,SG	7085	1.062	2367	0.633	9453	0.908	
Bg 366	White,LG	46114	6.912	32131	8.597	78246	7.517		

Rice Varietal Distribution in Sri Lanka (2018-2020)

	Variety	Grain Type	2017/18 Maha		2018 Yala		Annual	
			(ha)	%	(ha)	%	(ha)	%
	Bw 367	White,SG	31935	4.786	22585	6.043	54520	5.238
	Ld 368	Red,SG	4431	0.664	2275	0.609	6705	0.644
	Bg 369	White,LG	13	1.94E-05	0	0	13	1.24E-05
	Bg 370	White,SG	2186	0.328	642	0.172	2828	0.272
	Ld 371	White,SG	63	0.009	40	0.011	103	0.010
	Bw 372	Red,LG	1760	0.264	1463	0.391	3223	0.310
	Bg 374	White,LG	3687	0.553	2216	0.593	5903	0.567
	Other		2319	0.348	199	0.053	2518	0.242
	Sub total		498085	74.654	284994	76.250	783079	75.227
4-4 1/2 months	Bg 379-2	White,LG	5269	0.790	3728	0.997	8997	0.864
	Bg 380	White,LG	7	1.05E-05	0	0	7	6.72E-06
	Bw 400	Red,LG	16	0.002	-	-	16	1.53E-05
	Bg 400-1	White,LG	332	0.050	109	0.029	441	0.042
	At 401	Red,LG	5	7.49E-06	0	0	5	4.8E-06
	At 402	Red,LG	99	0.015	-	-	99	0.010
	Bg 403	White,LG	2334	0.350	479	0.128	2813	0.270
	Bg 406	Red,LG	9120	1.367	0	0.000	9120	0.876
	Bg 407 H	White,LG	2	2.99E-06	2	5.35E-06	4	3.84E-06
	Ld 408	Red,LG	9	1.35E-05	4	1.07E-05	13	1.25E-05
	Bg 450	White,SG	2374	0.356	1297	0.347	3671	0.353
	Bg 455	Red,LG	13	1.94E-05	11	2.94E-05	24	2.30E-05
4-4 1/2 months	Pokuru Samba	White,SG	3676	0.551	2607	0.697	6282	0.604
	Other		2359	0.354	-	-	2359	0.227
	Sub total		25615	3.839	8237	2.204	33852	3.252
5-6 months	Bg 745	White,SG	37	0.005	4	1.07E-05	41	0.004
	Bg 3-5	White,LG	111	0.017	1	2.68E-06	112	0.011
	Bg 38	White,SG	183	0.028	26	0.007	209	0.020
	Sub Total		331	0.050	31	0.008	362	0.035
Old Improved Varieties								
3 1/2 months	Attakari	Red,LG	3084	0.462	-	-	3084	0.296
	Sub Total		3084	0.462	-	-	3084	0.296
4-4 1/2 months	H 4	Red,LG	1612	0.242	16	4.28E-05	1628	0.156
	Sub total		1612	0.242	16	4.28E-05	1628	0.156
Traditional Rice Varieties								

	Variety	Grain Type	2017/18 Maha		2018 Yala		Annual	
			(ha)	%	(ha)	%	(ha)	%
3 months	Pachcha-perumal	Red,LG	187	0.028	14	3.74E-05	201	0.019
	Sub Total		187	0.028	14	3.74E-05	201	0.019
3 1/2 months	Suwadel	White,SG	178	0.027	245	0.066	423	0.041
	Kalu Heenati	Red,LG	18	2.69E-05	20	5.35E-05	38	3.65E-06
	Madathawalu	Red,LG	10	1.49E-05	10	2.67E-05	20	1.92E-06
	Suduru Samba	White,SG	0	0	75	0.02	75	0.007
	Kahawanu	White,SG	19	2.84E-05	2	5.35E-06	21	2.01E-05
	Sub Total		225	0.034	352	0.094	577	0.055
	4-4 1/2 months	Kurulu thuda	Red,LG	65	9.74E-05	47	1.25E-04	112
	Sudu Heenati	Red,LG	64	9.74E-05	0	0	64	6.14E-05
	Moddai-karuppan	Red,LG	1006	0.151	0	0	1,006	0.097
	Other		4949	0.742	37	9.89E-05	4,986	0.479
	Sub Total		6084	0.912	84	0.022	6,168	0.593
5-6 months	Maa wee	Red,LG	11	1.64E-05	25	6.68E-05	36	3.45E-05
	Gonabaru	White,LG	11	1.64E-05	554	0.148	565	0.054
	Hathiyal	Red,LG	2	2.99E-06	0	0	2	1.92E-06
	Rathel	White,SG	7	1.05E-05	1	2.68E-06	8	7.68E-06
	Murung-akayan	Red,LG	466	0.070	-	-	466	0.045
	Sub Total		497	0.074	580	0.155	1077	0.103
	Grand total		667191	100	373763	100	1040954	100

Note: LG=Long Grain (Nadu), SG=Short Grain (Samba), Pokuru Samba**not a recommended variety

Table 04: Cultivated extent of rice varietal categories (2018 -2020)

Year	Season	New Improved Varieties		Old Improved Varieties		Traditional Varieties	
		(ha)	%	(ha)	%	(ha)	%
2018	2017/18 Maha	655,502	98.25%	4,696	0.71%	6,993	1.05%
	2018 Yala	372,717	99.72%	16	0.01%	1,030	0.27%
	Annual	1,028,229	98.77%	4,712	0.45%	8,023	0.77%
2019	2018/19 Maha	738,104	98.67%	6,876	0.92%	3,047	0.41%
	2019 Yala	367,749	99.69%	725	0.20%	432	0.12%
	Annual	1,105,853	99.01%	7,601	0.68%	3,479	0.31%
2020	2019/20 Maha	743,131	98.79%	5,423	0.72%	3,694	0.49%
	2020 Yala	454,439	99.61%	908	0.20%	860	0.19%
	Annual	1,197,570	99.10%	6,331	0.52%	4,554	0.38%

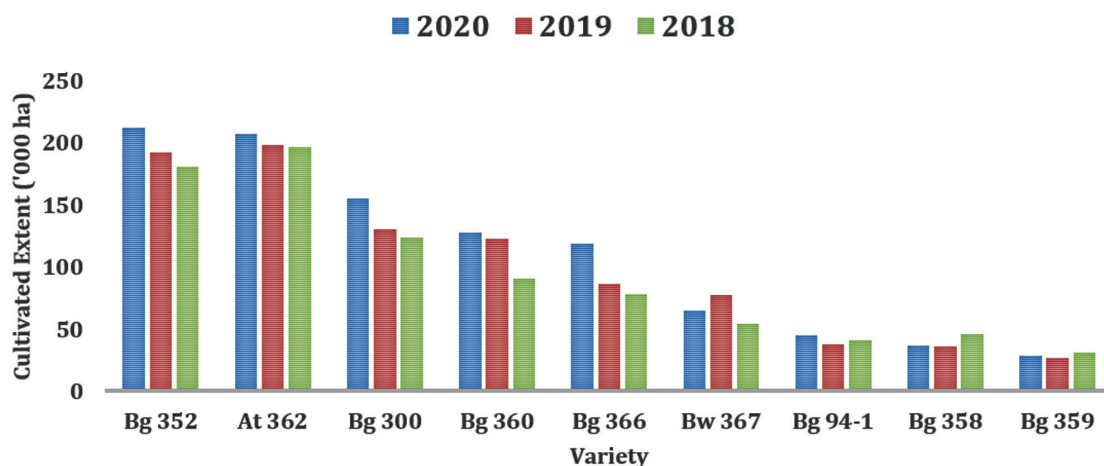


Figure 01: Cultivated extent of most popular rice varieties in Sri Lanka 2020 - 2018

Table 05: Percentage of cultivated extent accounts by ten most popular varieties (2020-2018)

2020		2019		2018	
Variety	Percentage	Variety	Percentage	Variety	Percentage
Bg 352	17.57	At 362	17.72	At 362	18.90
At 362	17.13	Bg 352	17.19	Bg 352	17.37
Bg 300	12.87	Bg 300	11.68	Bg 300	11.88
Bg 360	10.56	Bg 360	11.01	Bg 360	8.73
Bg 366	9.80	Bg 366	7.77	Bg 366	7.52
Bw 367	5.36	Bw 367	6.93	Bw 367	5.24
Bg 94-1	3.70	Bg 94-1	3.37	Bg 358	4.37
Bg 358	3.03	Bg 358	3.21	Bg 94-1	3.95
Bg 357	2.58	At 308	2.65	At 307	3.18
Bg 359	2.37	Bg 359	2.41	Bg 359	3.00

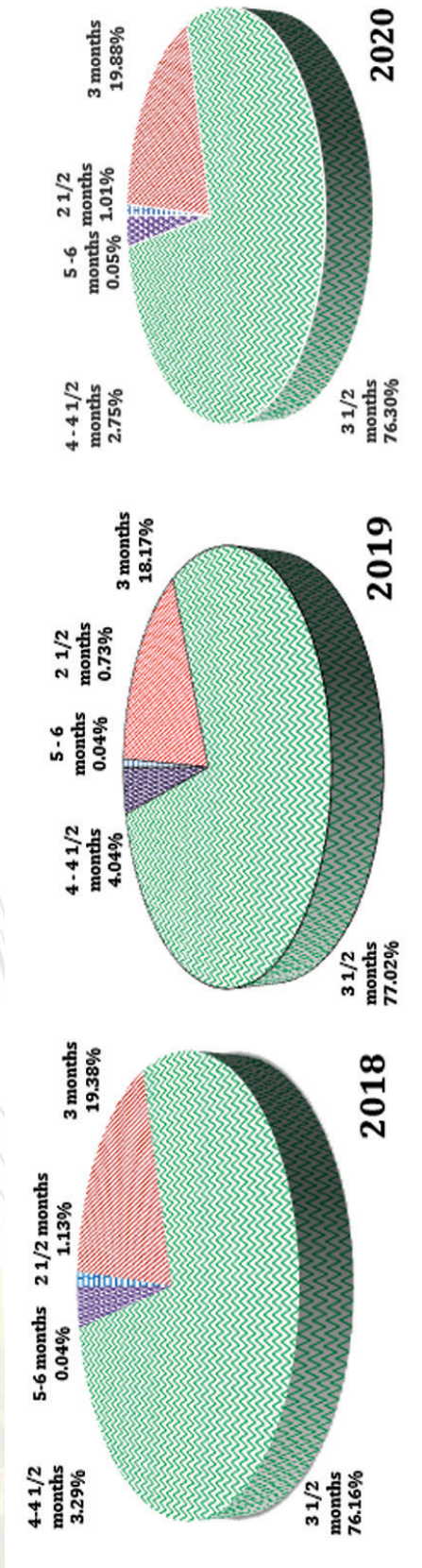


Figure 02 : Variety distribution of New Improved Varieties (NIV) according to age group (2018-2020)

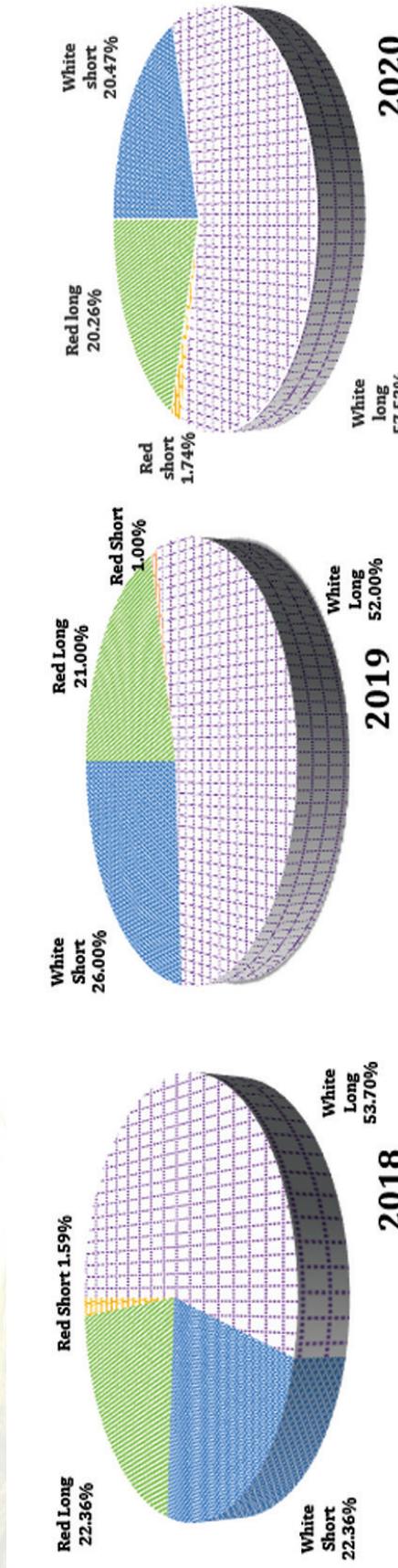


Figure 03: Rice varietal spread according to grain type and colour (2018-2020)

Table 06: Cultivated extent of ten most popular rice varieties in Sri Lanka (2018-2020)

2020			2019			2018		
Variety	District	Extent (ha)	Variety	District	Extent (ha)	Variety	District	Extent (ha)
Bg 352	Anuradhapura	42,855	At 362	Ampara	53,514	At 362	Hambantota	50,891
	Kurunegala	33,560		Hambantota	50,573		Ampara	40,686
	Polonnaruwa	27,278		Walawe Sp.	20,750		Walawe Sp.	20,673
At 362	Hambanthota	51,636	Bg 352	Anuradhapura	34,439	Bg 352	Kurunegala	25,576
	Ampara	51,127		Kurunegala	26,767		Polonnaruwa	22,498
	Udawalawa	20,431		Trincomalee	25,164		Monaragala	23,297
Bg 300	Anuradhapura	38,036	Bg 300	Anuradhapura	28,285	Bg 300	Kurunegala	24,705
	Kurunegala	37,058		Kurunegala	26,218		Batticaloa	18,393
	Batticaloa	17,135		Batticaloa	19,355		Anuradhapura	17,361
Bg 360	Mahaweli C	18,691	Bg 360	Mahaweli C	31,190	Bg 360	Mahaweli C	20,832
	Mahaweli B	14,870		Mahaweli B	16,115		Trincomalee	10,314
	Mannar	14,824		Trincomalee	10,027		Mahaweli B	8,883
Bg 366	Trincomalee	24,031	Bg 366	Trincomalee	16,520	Bg 366	Trincomalee	18,665
	Polonnaruwa	20,170		Polonnaruwa	14,281		Polonnaruwa	12,761
	Batticaloa	14,683		Batticaloa	13,576		Batticaloa	9,176
Bw 367	Anuradhapura	10,384	Bw 367	Anuradhapura	21,658	Bw 367	Anuradhapura	6,047
	Kurunegala	7,981		Kurunegala	9,058		Batticaloa	4,939
	Gampaha	6,743		Polonnaruwa	6,297		Gampaha	4,855
Bg 94-1	Ampara	35,040	Bg 94-1	Ampara	30,045	Bg 358	Kurunegala	7,175
	Batticaloa	2,550		Batticaloa	2,452		Kilinochchi	5,501
	Monaragala	2,003		Matale	1,449		Batticaloa	3,820
Bg 358	Kurunegala	8,561	Bg 358	Kurunegala	6,943	Bg 94-1	Ampara	27,495
	Kilinochchi	6,818		Kilinochchi	5,598		Batticaloa	4,635
	Batticaloa	3,225		Batticaloa	2,852		Monaragala	3,531
Bg 357	Ampara	16,361	At 308	Batticaloa	9,059	At 307	Anuradhapura (IP)	31,699
	Batticaloa	11,512		Mannar	4,770		Batticaloa	15,234
	Monaragala	1,400		Vavunia	4,708		Hambantota (IP)	5,012
Bg 359	Kandy	4,349	Bg 359	Kandy	6,422	Bg 359	Kandy	6,864
	Anuradhapura	3,131		Mahaweli H	4,165		Mahaweli H	3,869
	Gampaha	3,047		Anuradhapura	3,740		Matale	3,210

Table 07 : Spread of three major rice varieties at different districts in Dry Zone of Sri Lanka

	2020		2019		2018	
	Variety	Extent (ha)	Variety	Extent (ha)	Variety	Extent (ha)
Anuradhapura	Bg 352	42,855	Bg352	34,439	Bg300	16,406
	Bg 300	38,036	Bw367	21,658	Bg352	15,392
	Bw 367	10,384	Bg300	28,285	Bw367	6,047
Polonnaruwa	Bg 352	27,278	Bg 352	18,437	Bg352	22,498
	Bg 366	20,170	Bg 366	14,281	Bg366	12,761
	Bg 360	6,601	Bg 360	8,110	Bg 374	4,976
Ampara	At 362	51,127	At 362	53,514	At362	40,686
	Bg 94-1	35,040	Bg 94-1	29,571	Bg94-1	27,495
	Bg 357	16,361	Bg 357	11,776	Bg357	12,543
Puttalam	Bg 352	9,070	Bg 352	8,350	Bg352	6,586
	Bg 300	9,018	Bg 300	7,252	Bg300	6,526
	Bg 366	5,549	Bg 366	2,589	Bw367	946
Hambanthota	At 362	51,636	At362	50,573	At362	50,891
	Bg 360	381	Bg360	278	Bg352	474
	Bg 94-1	313	Bg357	149	Bg360	435
Mahaweli	Bg 352	40,987	Bg 360	48,093	Bg352	42,198
	Bg 360	34,079	Bg 352	32,252	Bg360	30,605
	At 362	20,467	At 362	20,750	At362	20,685
Killinochchi	Bg 300	8,511	Attakkari	6,700	Bg358	5,501
	Bg 358	6,818	Bg 358	5,598	At362	4,048
	At 362	5,590	At 362	3,967	Bg360	2,777
Trincomalee	Bg 366	24,031	Bg 352	25,164	Bg366	18,665
	Bg 352	12,347	Bg 366	16,520	Bg352	12,371
	Bg 360	9,133	Bg 360	10,027	Bg360	10,314
Mannar	Bg 360	14,824	Bg 360	8,289	Bg360	6,443
	Ld 365	1,855	At 308	4,770	At308	4,028
	At 308	1,205	Bg 300	3,004	Ld365	1,850
Batticaloa	Bg 300	17,135	Bg 300	19,355	Bg300	18,393
	Bg 366	14,683	Bg 366	13,576	At307	15,250
	At 362	11,548	At 362	10,494	At362	9,347
Vavuniya	Bg 360	11,795	Bg 360	7,276	Bg360	4,057
	At 308	2,911	At 308	4,708	At362	3,776
	Bg 300	1,762	Bg 300	1,978	At308	2,538
Jaffna	Bg 406	5,522	Bg 406	5,785	Bg406	7,173
	At 362	2,047	At 362	1,172	At362	1,848
	Moddaika-ruppan	1,259	Moddai-karuppan	1,114	Moddaika-ruppan	809
Mulativu	At 362	9,363	At 362	10,397	At362	8,643
	Bg 360	9,274	Bg 360	6,623	Bg360	5,565
	Bg 300	2,864	Bg 358	1,900	Bg300	1,782

Table 08 : Spread of three major rice varieties in different districts of Wet Zone and Intermediate Zone, Sri Lanka (2018-2020)

District	Wet Zone						Intermediate Zone								
	2020			2019			2020			2019			2018		
	Variety	Extent (ha)	Variety	Extent (ha)	Variety	Extent (ha)	Variety	Extent (ha)	Variety	Extent (ha)	Variety	Extent (ha)	Variety	Extent (ha)	
Colombo	Bw 367	1,485	Ld 368	1,085	Bw367	1,032	Bg 352	7,023	Bg 352	4,873	Bg352	6,334	Bg352	6,334	
	Bg 358	1,076	Bw 367	548	Ld368	1,001	Bg 359	2,835	Bw 367	3,549	Bg359	3,210	Bg359	3,210	
	Bg 359	927	Ld 365	471	Ld365	731	Bw 367	2,550	Bg 359	2,124	Bg300	2,829	Bg300	2,829	
Kalutara	Bg 300	3,800	Bg 300	3,414	Bg300	3,662	Bg 300	37,058	Bg 352	26,767	Bg352	25,576	Bg352	25,576	
	Bw 367	3,574	Bw 367	2,211	Bw367	2,515	Bg 352	33,560	Bg 300	26,218	Bg300	24,705	Bg300	24,705	
	Ld 368	3,401	Bg 359	2,153	Bg359	2,180	Bg 366	12,452	Bw 367	9,058	Bg358	7,175	Bg358	7,175	
Gampaha	Bw 367	6,743	Bg 300	4,394	Bw367	4,855	Bg 352	4,142	Bg 352	5,260	Bg352	7,132	Bg352	7,132	
	Bg 359	3,047	Bw 367	3,535	Bg358	3,571	At 362	2,279	Bw 367	2,312	At362	1,808	At362	1,808	
	Bg 358	2,970	Bg 250	2,170	Bg300	2,126	Bg 360	1,390	At 362	1,929	H4	1,523	H4	1,523	
Kandy	Bg 352	4,373	Bg352	8,703	Bg359	6,864	Bg 352	19,593	Bg352	17,776	Bg352	23,297	Bg352	23,297	
	Bg 359	4,349	Bg359	6,422	Bg352	3,911	At 362	11,697	At362	12,704	At362	14,161	At362	14,161	
	Bg 403	2,138	Bg403	3,779	Bw367	1,845	Bg 360	4,483	Bg360	4,918	Bg300	5,798	Bg300	5,798	
N'Eliya	At 362	3,308	At 362	2,330	At362	3,146	Bg 366	1,005	Bg 359	1,495	Bg366	1,477	Bg366	1,477	
	Bg 359	1,005	Bg 359	1,495	Bg359	1,477	Bg 94-1	767	Bg 94-1	595	Bg94-1	1,074	Bg94-1	1,074	
	Bg 94-1	767	Bg 94-1	595	Bg94-1	1,074	Bg 379-2	3,163	Bg 379-2	2,288	Bg379-2	3,424	Bg379-2	3,424	
Kegalle	Bg 379-2	3,163	Bg 379-2	2,288	Bg379-2	3,424	Bg 366	2,019	Bg 366	1,401	Bg366	2,059	Bg366	2,059	
	Bg 366	2,019	Bg 366	1,401	Bg366	2,059	Bw 367	1,158	Bw 367	879	Bw367	1,316	Bw367	1,316	
	Bw 367	1,158	Bw 367	879	Bw367	1,316	At 362	10,415	At 362	8,651	At362	8,495	At362	8,495	
Rathnapura	At 362	10,415	At 362	8,651	At362	8,495	Bg 352	3,828	Bg 352	3,140	Bg352	3,474	Bg352	3,474	
	Bg 352	3,828	Bg 352	3,140	Bg352	3,474	Bw 372	1,888	Bg 300	1,025	Bg300	1,346	Bg300	1,346	
	Bw 372	1,888	Bg 300	1,025	Bg300	1,346	At 362	9,562	At 362	4,300	At362	7,823	At362	7,823	
Galle	At 362	9,562	At 362	4,300	At362	7,823	Ld 368	3,433	Ld 368	1,700	Ld368	2,608	Ld368	2,608	
	Ld 368	3,433	Ld 368	1,700	Ld368	2,608	Bw 372	2,279	Bg 360	1,252	Bg300	837	Bg300	837	
	Bw 372	2,279	Bg 360	1,252	Bg300	837	At 362	14,895	At 362	15,255	At362	16,398	At362	16,398	
Matara	At 362	14,895	At 362	15,255	At362	16,398	Bg 366	5,502	Bg 366	6,417	Bg366	6,205	Bg366	6,205	
	Bg 366	5,502	Bg 366	6,417	Bg366	6,205	Bg 379-2	1,864	Bg 379-2	2,176	Bg379-2	1,448	Bg379-2	1,448	
	Bg 379-2	1,864	Bg 379-2	2,176	Bg379-2	1,448									

Source: Rice Research and Development Institute

Table 09: Average yield of top ten rice varieties at research level

Variety	Year of release	Research Yield (Mt/ha)
Bg 352	1992	4.9
At 362	2002	7.0
Bg 300	1997	5.0
Bg 360	1999	4.2
Bg 366	2009	6.0
Bw 367	2011	5.2
Bg 94-1	1975	4.1
Bg 358	1999	4.8
Bg 357	1997	5.8
Bg 359	1999	5.9

Source: Rice Research and Development Institute

Table 10: Rice varieties released by RRD I since 1985

Year of release	Variety	Maturity group (months)	Grain Size and Colour	Area of Recommendation
1985	Bg 450	4 - 4 ½	White -SR	General cultivation
1986	Bg 350	3 ½	Red - LM	General cultivation
1986	Bw 351	3 ½	Red - IB	Low country wet zone – Salinity prone areas
1987	Bg 300	3	White - IB	General cultivation
1987	Bg 301	3	Red - IB	Dry zone and Intermediate zone- Rain-fed areas
1987	Bw 302	3	White - IB	Wet Zone
1987	Bw 400	4 - 4 ½	Red - IB	Saline and acidic soil
1987	Bw 451	4 - 4 ½	White - SR	Low country wet zone – Salinity prone areas
1990	At 303	3	Red - LM	General cultivation
1992	At 353	3 ½	Red - LM	Salinity prone areas
1992	At 354	3 ½	White - LM	Salinity prone areas
1992	Bg 352	3 ½	White - IB	General cultivation
1992	At 401	4 - 4 ½	Red - LM	Coastal areas with saline soli
1992	At 402	4 - 4 ½	Red - IB	Southern area
1992	Bw 452	4 - 4 ½	Red - LM	General cultivation
1992	Bw 453	4 - 4 ½	White - LM	Low country wet zone
1993	Bg 304	3	White - LM	General cultivation
1993	Bg 403	4 - 4 ½	White - IB	General cultivation
1994	Ld 355	3 ½	White - SR	Southern area
1994	Ld 356	3 ½	Red - SR	Kalutara and Galle districts
1997	Bg 357	3 ½	White - LM	General cultivation
1997	At 405	4 - 4 ½	White - LS	Dry zone and Intermediate zone- irrigated condition
1999	Bg 358	3 ½	White - SR	General cultivation
1999	Bg 359	3 ½	White - IB	Wet zone
1999	Bg 360	3 ½	White - SR	Keeri Samba, For general cultivation
1999	Bg 305	3	White - IB	General cultivation
2002	At 362	3 ½	Red - IB	General cultivation
2002	Bw 361	3 ½	Red - IB	General cultivation - tolerant to iron toxicity
2003	Bw 363	3 ½	White - IB	General cultivation - tolerant to iron toxicity
2004	At 306	3	White - LS	Basmati type for general cultivation
2005	Bg 250	2½	White-IB	Drought-escaping and flood prone areas
2005	At 307	3	White-IB	General cultivation
2005	Bg 406	4 - 4½	Red -IB	Northern region
2005	Bg 407H	4 - 4½	White-IB	High potential areas (1st hybrid variety)
2005	Bg 454	4 - 4½	White-IB	General cultivation with assured supply of water
2006	Bw 364	3½	White-IB	Wet zone- tolerant to iron toxicity
2008	Ld 365	3½	Red-SR	Wet zone
2008	At 308	3	White-SR	General cultivation
2009	Bg 366	3½	White-IB	General cultivation
2010	Ld 408	4 - 4½	Red -IB	General cultivation
2011	Bw 367	3½	White-SR	General cultivation-tolerant to iron toxicity

Rice Varietal Distribution in Sri Lanka (2018-2020)

Year of release	Variety	Maturity group (months)	Grain Size and Colour	Area of Recommendation
2011	Ld 368	3½	Red-SR	Wet zone
2012	Bg 369	3½	White-LM	Salinity prone areas
2013	Bg 370	3½	White-SR	General cultivation
2013	Ld 371	3½	White-SR	Wet zone
2013	Bw 372	3½	Red -IB	Wet zone-tolerant to iron toxicity
2013	At 309	3	White-LS	General cultivation-for rice based products
2014	At 373	3½	White-SR	General cultivation -Ambalantota Suwanda Samba
2014	Bg 251	2½	White-IB	Drought prone areas
2014	Bg 310	3	White-IB	General cultivation-salinity tolerant
2014	Bg 455	4½	Red -IB	Flood prone area
2015	At 311	3	Red- LS	General cultivation - Neeroga
2016	Ld 253	2½	White-LS	General cultivation
2016	Bg 374	3½	White-IB	General cultivation
2019	Bg 409	4 - 4 ½	White-IB	General cultivation - non lodging
2019	Bw 312	3	Red-IB	General cultivation - tolerant to iron toxicity
2020	Bg 314	3	White - IB	Drought tolerant, suitable for rainfed cultivation in dry and intermediate zones
2020	Bg 375	3 ½	White - SR	Lodging resistant, Best alternative for Bg 358
2020	At 313	3	Red - LM	General cultivation

Long grain (Nadu) : LM (long Medium) , LS (Long Slender), IB (Intermediate Bold)
Short grain (Samba) : SR (Short Round)

Source: Rice Research and Development Institute

Message from Director RRDI....

Rice Research and Development Institute is the national center for the development and primary dissemination of rice technologies to improve quality of rice, the productivity and profitability of rice farming. In order to achieve the stated objective, a sound database on rice variety distribution is of paramount importance, particularly in planning of research and development activities related to rice.

RRDI has been in the process of compiling rice variety distribution in Sri Lanka since many decades in collaboration with Provincial and Inter-provincial Department of Agriculture and Mahaweli Authority of Sri Lanka. This newsletter on rice variety distribution is widely used by scientists, students, academia and many policy planners as a guideline/resource for an array of activities. I appreciate the effort made by Socio Economics Division of Rice Research and Development Institute under the supervision of Socio Economics and Planning Centre (SEPC) in compiling this newsletter which is enclosed with many significant details on rice variety distribution in Sri Lanka.

Dr D.M.J.B. Senanayake

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