

**Supplemental Table 1.** List of the 152 non-glutinous Japanese rice cultivars, and their evaluation scores for endosperm enzyme activities and eating-quality traits in 2012. Each cultivar is classified in accordance with the items specified in the footnotes.

Accession name	Classification		Year of development <sup>c</sup>	Endosperm enzyme activity										Cooked Rice Taste Analyzer										Tensipresser																
	NIAS Core Collection No. <sup>a</sup>	Landrace/Improved cultivar <sup>b</sup>		$\alpha$ -amylase	$\beta$ -amylase	$\alpha$ -glucosidase	$\alpha$ -mannosidase	$\alpha$ -galactosidase	$\beta$ -galactosidase	$\beta$ -glucanase	$\beta$ -xylanase	Protein content	Amylose content	Eating quality	Appearance	Hardness	Stickiness	Balance degree	Hardness s H1	Stickiness s S1	Adhered mass L3	Adhesiveness A3	Adhesive degree <sup>e</sup>	Adhesive degree <sup>e</sup>	Adhesive degree <sup>e</sup>	Hardness s H2	Stickiness s S2	Adhered mass L6	Adhesiveness A6	Adhesive degree <sup>e</sup>	Adhesive degree <sup>e</sup>	Adhesive degree <sup>e</sup>	Sample thickness	Tenderness	Pliability	Toughness	Brittleness	Days to heading		
				(U/g)	(U/g)	(U/g)	(U/g)	(U/g)	(U/g)	(U/g)	(U/g)	(%)	(%)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(N/m <sup>2</sup> × 10 <sup>3</sup> )	(N/m <sup>2</sup> × 10 <sup>3</sup> )	(mm)	(N/m <sup>2</sup> × 10 <sup>3</sup> )	(-)	(-)	(-)	(-)	(-)	(mm)	(N/m <sup>2</sup> × 10 <sup>3</sup> )	(-)	(-)	(-)	(mm)	(N/m <sup>2</sup> × 10 <sup>3</sup> )	(-)	(N/m <sup>2</sup> × 10 <sup>3</sup> )	(-)	(days)
Aichisashi	JRC52	Landrace	-	1	271.5	47.3	83.6	-	331.0	97.0	299.4	181.6	30.1	5.1	18.9	86.3	8.9	5.1	8.9	9.0	66.0	13.9	0.74	0.46	0.21	13.0	0.29	22.3	0.42	1.34	20.6	0.19	0.66	0.19	2.29	56.2	1.15	81.0	1.73	126
Aichinokori	JRC26	Landrace	1987	5	294.6	66.7	140.6	-	330.4	338.2	357.9	184.5	48.4	7.0	15.0	62.0	5.7	6.5	4.5	5.3	70.5	8.5	0.60	0.36	0.12	0.14	21.8	0.47	12.3	0.50	1.14	23.0	0.43	1.09	58.2	2.09	104			
Aikoku	JRC17	Landrace	-	1	214.8	47.7	95.4	-	233.6	258.0	199.6	219.0	38.0	7.8	17.0	47.0	3.2	7.7	2.5	2.9	63.1	4.6	0.39	0.10	0.07	0.65	0.06	22.6	0.45	1.02	12.1	0.21	0.47	0.11	2.42	39.4	0.91	49.1	3.93	72
Akanazora	-	Improved	1991	5	146.1	38.4	49.3	-	233.6	161.6	123.6	117.2	18.9	6.1	17.4	82.3	8.6	5.3	8.1	8.5	69.0	12.9	0.85	0.48	0.19	1.54	0.31	23.2	0.45	1.65	20.3	0.20	0.82	0.18	2.24	26.2	0.79	31.9	4.67	109
Akebano	-	Improved	1953	3	336.7	74.5	129.8	-	396.5	145.0	359.2	273.5	48.5	5.1	19.5	75.3	7.4	6.0	7.4	7.5	86.2	13.8	0.66	0.40	0.17	1.18	0.22	23.4	0.46	1.05	17.5	0.20	0.51	0.15	2.27	33.7	0.87	47.6	3.88	131
Akibare	-	Improved	1962	4	260.3	104.3	97.3	-	295.9	236.1	276.1	197.4	39.0	6.1	16.5	74.7	7.5	5.8	6.9	7.4	78.0	11.7	0.54	0.31	0.15	0.96	0.16	19.1	0.46	0.99	14.5	0.24	0.49	0.15	2.28	51.7	1.10	75.9	1.87	-
Akihikari	-	Improved	1976	4	289.4	103.9	117.6	-	247.8	312.5	302.0	276.3	51.4	5.8	17.5	77.3	7.8	5.7	7.5	7.8	83.4	13.3	0.66	0.41	0.16	1.14	0.20	22.3	0.48	1.31	19.8	0.22	0.62	0.18	2.34	44.4	1.03	61.6	2.46	92
Akiko	-	Improved	1996	5	200.6	32.9	90.4	-	277.3	309.1	248.0	198.6	32.1	6.0	14.8	72.5	7.1	5.9	6.5	7.1	89.8	19.9	0.73	0.67	0.22	1.22	0.28	21.6	0.58	1.31	26.4	0.27	0.60	0.23	2.45	43.1	1.07	62.0	2.22	-
Akiakomachi	-	Improved	1984	5	164.6	64.3	104.1	-	184.3	295.0	307.9	169.2	35.1	5.4	16.0	85.0	8.9	4.9	8.4	8.8	79.3	16.2	0.85	0.61	0.20	1.47	0.30	20.8	0.50	1.37	20.1	0.24	0.66	0.19	2.35	46.3	1.08	65.9	2.04	94
Aoinokaze	-	Improved	1989	5	286.4	68.4	94.6	-	399.7	113.6	306.9	220.3	35.8	5.5	17.6	79.3	8.2	5.3	7.5	8.1	69.6	13.7	0.73	0.46	0.20	1.34	0.27	19.9	0.46	1.40	20.6	0.23	0.71	0.21	2.21	53.7	1.07	68.4	2.51	-
Asahi	-	Landrace	-	1	283.1	43.9	100.4	-	328.8	357.4	283.2	191.0	35.8	5.4	18.4	79.7	8.1	5.7	8.1	8.2	87.0	18.7	0.75	0.63	0.21	1.31	0.29	22.3	0.48	1.46	22.8	0.22	0.71	0.20	2.31	50.0	1.06	71.4	2.42	129
Asahinoyume	-	Improved	1999	5	220.5	39.0	78.8	-	304.2	230.9	223.7	157.7	25.5	5.7	17.4	79.3	8.0	5.8	8.2	8.1	80.6	15.5	0.79	0.57	0.20	1.36	0.29	21.5	0.49	1.12	20.5	0.23	0.54	0.19	2.33	51.5	1.11	74.3	1.86	118
Asanohikari	-	Improved	1987	5	164.8	38.8	57.4	-	297.2	149.8	128.5	107.4	21.4	5.7	19.8	79.3	8.0	5.7	8.1	8.1	71.9	16.8	0.89	0.71	0.23	1.42	0.38	22.6	0.47	1.25	20.3	0.21	0.55	0.17	2.51	58.7	1.19	86.8	1.53	115
Benisengoku	-	Improved	1953	3	361.0	99.2	155.2	-	398.8	125.3	358.5	246.6	52.7	5.4	18.5	77.0	7.6	5.9	7.6	7.7	82.5	15.6	0.68	0.40	0.19	1.16	0.23	22.7	0.51	1.30	20.2	0.22	0.62	0.17	2.36	44.4	1.03	62.0	2.66	130
Bozu	-	Landrace	-	1	302.3	103.5	200.6	-	322.2	350.7	271.3	270.6	71.0	8.0	16.9	55.7	4.7	7.0	3.7	4.4	87.1	7.2	0.45	0.16	0.09	0.78	0.27	23.3	0.45	0.77	12.6	0.20	0.37	0.11	2.33	48.9	0.99	68.6	3.04	81
Chiyonohami	-	Improved	1987	5	270.8	102.1	214.6	-	232.2	257.1	247.2	169.3	41.5	5.5	17.4	80.3	8.5	5.1	7.2	8.3	68.7	13.0	0.81	0.45	0.19	1.46	0.27	21.3	0.46	1.74	22.2	0.73	0.17	2.25	34.4	0.92	44.2	3.40	100	
Chiyonishiki	-	Improved	1985	5	253.9	74.9	90.9	-	211.1	216.8	268.2	189.1	33.8	5.5	16.7	82.7	8.7	5.1	7.9	8.6	69.8	16.8	0.88	0.64	0.25	1.57	0.39	21.7	0.45	1.84	20.3	0.21	0.91	0.20	2.27	40.7	0.98	49.5	3.18	103
Chujo 2	-	Improved	1949	3	232.2	54.5	98.0	-	218.4	292.6	261.9	176.1	29.6	5.2	15.7	85.7	8.9	5.2	8.8	8.9	78.3	17.7	0.86	0.65	0.23	1.47	0.35	23.2	0.48	1.75	24.6	0.21	0.82	0.21	2.38	49.5	1.08	69.2	2.42	-
Chuukyouasahi	-	Improved	1943	3	298.7	97.7	130.3	-	296.3	423.0	322.8	237.9	41.9	5.4	17.6	78.3	7.8	5.8	7.8	7.9	83.4	16.3	0.88	0.58	0.19	1.48	0.27	24.3	0.50	1.42	22.8	0.21	0.66	0.18	2.44	47.1	1.04	67.0	2.74	-
Daichinokaze	-	Improved	1999	5	250.8	42.0	81.2	-	450.2	301.7	322.0	201.3	31.5	5.2	17.4	78.0	7.9	5.5	7.2	7.9	69.6	15.8	0.88	0.60	0.23	1.59	0.37	21.4	0.48	1.56	22.1	0.23	0.78	0.22	2.26	54.2	1.16	74.3	1.64	126
Dango	JRC25	Landrace	-	1	251.7	50.5	92.6	-	319.5	366.6	270.4	231.7	34.0	7.5	14.7	51.5	4.1	7.3	3.0	3.7	73.7	11.1	0.56	0.27	0.15	1.02	0.15	17.7	0.51	0.94	15.8	0.29	0.47	0.19	2.23	9.4	0.58	10.1	5.88	123
Densumaki	-	Improved	1992	5	265.5	80.6	113.7	-	202.2	275.4	302.1	226.0	36.3	5.3	17.1	81.5	8.6	5.0	7.4	8.5	60.9	12.4	0.74	0.41	0.20	1.26	0.27	18.3	0.50	1.39	20.2	0.28	0.65	0.23	2.36	37.7	0.98	48.9	3.22	99
Dontokoi	-	Improved	1995	5	175.1	25.7	55.8	-	212.1	249.2	152.3	148.4	17.6	6.1	16.0	82.0	8.5	5.4	8.3	8.5	81.1	18.1	0.83	0.70	0.23	1.51	0.35	24.5	0.51	1.62	24.0	0.21	0.81	0.20	2.23	37.0	0.90	45.2	3.88	109
Eiko	-	Improved	1942	3	245.8	68.7	111.7	-	279.9	356.7	290.9	278.1	46.1	7.1	16.5	60.0	5.3	6.7	4.5	5.1	86.7	10.0	0.53	0.27	0.12	0.87	0.13	20.6	0.55	0.99	19.2	0.27	0.45	0.18	2.45	38.3	1.00	59.0	2.52	75
Fujihikari	-	Improved	1977	4	260.3	82.3	146.8	-	258.7	294.9	334.3	227.4	45.3	5.7	16.6	70.5	7.0	5.9	5.9	6.8	86.7	14.8	0.66	0.49	0.22	1.15	0.28	19.9	0.51	1.40	20.5	0.26	0.67	0.21	2.36	47.4	1.05	67.3	2.46	88
Fujimitori	-	Improved	1960	4	179.9	44.2	74.5	-	182.9	244.8	192.2	210.5	31.5	5.7	17.9	76.3	7.7	5.7	7.1	7.6	86.7	15.9	0.69	0.48	0.19	1.26	0.24	20.3	0.44	1.13	18.0	0.22	0.57	0.18	2.21	42.3	0.90	61.2	3.63	-
Fujisaka 5	-	Improved	1949	3	283.3	101.4	134.3	-	278.0	267.1	294.7	226.7	50.0	6.0	17.3	72.7	7.1	6.0	6.6	7.0	76.9	12.2	0.79	0.38	0.16	1.33	0.20	22.2	0.50	1.16	17.6	0.23	0.54	0.16	2.39	32.6	0.83	45.4	4.04	91
Fukei 175	-	Improved	1993	5	295.1	97.5	120.0	-	221.8	255.9	347.5	259.1	45.2	5.4	15.8	86.0																								

Manamsume	Improved	1997	5	207.3	60.7	79.7	191.5	226.3	258.0	215.5	27.9	5.8	16.0	86.0	8.9	5.0	8.7	8.9	66.1	16.4	0.88	0.60	0.26	1.60	0.43	18.9	0.43	2.13	23.1	0.23	1.07	0.25	2.21	36.8	0.91	46.5	3.72	103	
Matsuribare	Improved	1994	5	239.5	49.0	89.6	443.3	292.1	308.0	188.1	32.7	5.1	17.2	85.3	8.8	5.1	8.6	8.8	75.8	13.4	0.77	0.48	0.18	1.36	0.27	22.8	0.48	1.21	21.5	0.21	0.59	0.19	2.32	48.4	1.07	68.1	2.38	120	
Menkoia	Improved	1999	5	275.9	100.5	111.7	295.2	256.3	295.8	208.4	41.3	5.9	16.5	76.0	7.9	5.5	6.9	7.7	61.7	12.0	0.70	0.36	0.20	1.29	0.24	19.7	0.37	1.76	17.4	0.19	0.90	0.19	2.19	30.4	0.83	37.1	4.33	102	
Mineasahi	Improved	1980	5	247.6	78.0	100.1	280.0	86.4	232.3	178.5	37.9	5.3	16.8	83.3	8.6	5.1	8.2	8.6	64.7	14.7	0.87	0.52	0.23	1.57	0.31	22.7	0.44	1.95	19.5	0.20	0.96	0.18	2.27	31.1	0.86	35.7	3.97	105	
Mitsunishi	Improved	1980	6	156.5	39.8	58.5	225.1	98.7	126.2	150.3	24.1	6.0	17.7	77.3	7.7	5.8	7.5	7.7	72.3	17.6	0.76	0.44	0.25	1.30	0.36	21.4	0.50	1.42	22.2	0.24	0.67	0.21	2.37	52.7	1.16	73.1	1.66	115	
Moritawase	Improved	1913	2	176.4	68.7	73.7	244.2	256.7	205.5	156.8	26.0	7.4	17.2	60.7	5.3	6.9	4.8	5.1	94.1	12.9	0.60	0.36	0.13	1.05	0.15	24.6	0.49	1.02	18.4	0.21	0.48	0.14	2.35	40.1	0.90	54.9	3.74	91	
Mutsumomare	Improved	1985	5	318.5	120.8	158.6	305.7	330.1	292.3	262.4	63.5	5.8	17.0	76.0	7.6	5.7	7.2	7.6	80.8	13.6	0.65	0.42	0.17	1.14	0.20	17.9	0.41	1.03	14.8	0.20	0.50	0.16	2.28	39.5	0.95	57.8	2.95	91	
Nagoyashiro	Landrace	-	1	215.8	50.5	88.3	275.7	316.4	213.6	298.1	36.4	6.6	16.2	65.7	6.6	5.9	4.4	5.9	69.4	6.8	0.59	0.15	0.10	1.04	0.10	19.6	0.39	0.87	12.5	0.20	0.42	0.13	2.29	29.1	0.80	38.7	4.29	107	
Nagoyutaka	Improved	1979	4	245.2	80.9	95.1	266.4	102.0	239.0	177.8	32.3	5.7	16.6	75.7	7.6	5.9	7.4	7.6	64.2	11.0	0.79	0.37	0.17	1.39	0.25	23.3	0.47	1.34	17.5	0.21	0.66	0.16	2.29	14.0	0.65	13.9	5.40	-	
Nakateshinsenbon	Improved	1950	3	249.9	81.9	98.1	290.9	102.9	255.5	199.8	38.5	5.7	16.6	80.7	8.3	5.4	7.9	8.3	77.5	14.7	0.76	0.47	0.19	1.35	0.26	21.9	0.46	1.21	18.1	0.21	0.59	0.17	2.27	37.8	0.92	50.1	1.80	120	
Nakatsushiki	Improved	2001	6	266.1	73.3	119.4	320.1	297.9	291.0	158.8	46.0	6.0	14.4	78.5	8.1	5.4	7.4	8.0	67.5	13.1	0.80	0.44	0.19	1.34	0.26	19.2	0.50	1.47	23.0	0.29	0.69	0.25	2.38	40.2	1.08	54.5	2.06	79	
Natshikari	Improved	1983	5	234.3	100.2	95.4	218.0	91.2	263.8	172.0	34.2	6.1	16.3	72.0	7.1	5.9	6.3	6.9	79.2	18.3	0.87	0.60	0.23	1.60	0.32	22.4	0.52	1.51	21.6	0.23	0.77	0.20	2.20	47.3	1.00	67.1	2.72	90	
Nishimatsuri	Improved	1973	4	243.4	100.6	90.9	234.0	89.1	219.9	152.3	35.5	5.5	19.7	75.3	7.3	6.0	7.4	7.4	87.3	15.5	0.67	0.47	0.18	1.14	0.22	26.4	0.37	1.95	19.7	0.15	0.91	0.14	2.38	64.7	1.19	92.1	1.83	115	
Nikomaru	Improved	2005	6	248.7	35.0	87.3	314.5	338.2	277.3	207.8	26.1	5.0	16.7	87.0	9.1	4.9	8.9	9.1	67.6	17.4	1.00	0.71	0.25	1.76	0.42	21.4	0.47	1.68	25.0	0.22	0.82	0.24	2.30	41.0	1.00	53.7	2.72	-	
Nippombare	Improved	1963	4	217.5	31.7	75.0	297.2	262.5	225.9	175.5	23.8	6.1	17.6	74.4	7.4	5.9	7.1	7.3	70.7	13.4	0.77	0.47	0.19	1.31	0.27	21.5	0.45	1.33	19.6	0.22	0.62	0.18	2.39	51.9	1.12	74.9	1.90	117	
Nishihomare	Improved	1979	4	246.9	33.9	64.5	269.6	93.6	202.1	154.1	22.7	5.7	16.8	72.0	7.1	6.0	6.6	7.0	72.4	15.1	0.74	0.50	0.21	1.30	0.29	21.2	0.52	1.17	19.6	0.26	0.57	0.19	2.29	38.0	0.92	50.7	3.50	126	
Norin 1	Improved	1931	2	206.5	54.2	86.6	210.1	351.3	284.7	142.4	30.9	5.9	15.6	71.0	6.9	6.0	6.2	6.8	84.2	17.0	0.76	0.56	0.20	1.37	0.28	20.4	0.50	1.58	21.9	0.25	0.79	0.21	2.24	46.2	1.08	65.5	1.94	93	
Norin 18	Improved	1941	3	315.8	79.0	126.8	332.1	124.2	310.5	248.3	45.0	5.2	19.6	72.7	7.1	5.9	6.7	7.1	78.4	11.9	0.66	0.35	0.15	1.14	0.19	23.3	0.47	1.27	20.9	0.20	0.60	0.17	2.35	50.8	1.04	72.1	2.55	136	
Norin 22	Improved	1943	3	167.4	34.4	65.0	199.5	330.1	200.5	128.4	20.9	5.7	18.1	77.3	7.7	5.9	7.7	7.8	85.6	19.3	0.78	0.66	0.23	1.37	0.32	21.2	0.52	1.51	23.2	0.25	0.73	0.21	2.29	52.9	1.06	80.0	2.10	116	
Norin 29	Improved	1945	3	248.8	56.5	107.5	281.4	346.6	290.3	196.8	36.5	6.3	14.6	64.0	6.0	6.4	5.0	5.7	73.1	14.3	0.69	0.44	0.20	1.29	0.27	20.5	0.51	1.19	18.8	0.25	0.62	0.20	2.14	29.0	0.84	34.5	3.86	121	
Norin 6	Improved	1936	2	247.3	39.8	96.4	301.7	336.1	292.4	150.9	33.3	6.6	17.0	60.5	5.2	7.0	4.9	5.1	77.4	12.5	0.65	0.33	0.16	1.19	0.19	19.1	0.50	1.01	18.3	0.27	0.51	0.20	2.22	11.9	0.61	14.2	5.60	119	
Norin 8	Improved	1937	2	225.6	39.2	83.6	228.7	341.1	235.3	142.1	30.6	5.2	16.8	81.7	8.5	5.4	8.1	8.4	85.4	16.4	0.86	0.60	0.19	1.52	0.29	23.0	0.50	1.20	18.9	0.23	0.58	0.16	2.30	53.2	1.10	77.2	2.00	121	
Notohikari	Improved	1985	5	175.9	43.7	51.1	140.6	177.3	124.6	124.0	14.3	5.9	16.3	80.0	8.4	5.2	7.4	8.3	77.8	19.2	0.83	0.70	0.24	1.52	0.39	22.7	0.56	1.38	21.6	0.25	0.69	0.20	2.23	14.3	0.64	13.7	5.65	99	
Okazaki	Improved	1996	5	250.5	109.3	97.1	208.6	161.1	268.4	172.9	33.2	5.6	16.6	85.3	9.0	4.6	8.0	8.8	65.9	12.6	0.73	0.44	0.19	1.26	0.26	20.0	0.46	1.39	17.1	0.24	0.66	0.19	2.33	46.8	1.14	62.9	1.71	101	
Omachi	Landrace	-	1	269.9	71.6	109.9	350.1	323.3	280.3	259.5	42.1	6.4	16.3	66.3	6.0	6.5	5.9	6.0	99.1	15.8	0.54	0.40	0.16	1.58	0.08	25.8	0.50	1.13	19.8	0.20	0.48	0.10	2.24	35.4	0.89	48.2	3.81	134	
Oochikara	Improved	1989	5	259.7	125.2	96.8	235.1	260.4	182.8	222.9	39.3	7.5	17.3	72.7	7.6	5.7	6.0	7.0	86.0	16.1	1.11	0.80	0.20	1.47	0.37	31.0	0.53	2.11	24.3	0.17	0.77	0.13	3.02	39.1	1.07	56.2	2.75	-	
Oou 197	Improved	1937	2	237.8	55.7	78.8	184.9	231.7	243.0	121.9	28.0	5.7	18.6	75.0	7.5	5.8	7.0	7.4	96.1	15.2	0.70	0.45	0.16	1.21	0.19	23.7	0.52	1.42	22.4	0.23	0.67	0.18	2.35	31.9	0.85	42.0	4.29	102	
Oou 292	Improved	1974	4	243.9	82.3	93.0	189.6	186.0	245.3	186.6	34.6	6.1	16.3	78.7	8.2	5.3	7.0	8.0	80.9	15.2	0.75	0.51	0.19	1.38	0.26	22.4	0.47	1.15	18.1	0.21	0.58	0.17	2.22	42.7	1.02	57.3	2.64	-	
Raiden	Landrace	-	1	265.7	55.6	99.4	301.9	307.0	225.4	221.9	30.4	6.4	16.3	69.0	6.5	6.3	6.3	6.5	79.0	14.0	0.79	0.47	0.18	0.81	0.12	25.2	0.56	1.50	21.9	0.22	0.61	0.11	2.39	14.2	0.63	16.7	5.89	129	
Reihou	Improved	1969	4	256.7	73.4	122.4	334.8	260.4	180.3	43.8	5.9	15.4	74.0	7.2	6.1	7.2	7.2	77.0	11.3	0.64	0.32	0.15	1.13	0.18	22.8	0.41	1.41	21.2	0.19	0.69	0.18	2.29	55.7	1.15	80.9	1.82	126		
Reimei	Improved	1966	4	358.8	83.8	148.7	318.2	319.5	351.2	277.9	58.2	6.0	17.6	73.0	7.1	6.1	6.9	7.1	84.9	14.2	0.80	0.51	0.17	1.35	0.25	23.0	0.50	1.54	19.8	0.22	0.72	0.17	2.38	29.4	0.82	41.0	4.09	91	
Rikutoauriku 2	Landrace	-	1	266.2	98.0	115.4	243.8	-	325.3	256.5	302.9	39.9	5.9	16.3	76.7	7.8	5.6	7.3	7.7	98.2	12.0	0.62	0.31	0.12	1.06	0.13	22.8	0.56	0.90	17.7	0.25	0.43	0.15	2.35	29.2	0.79	43.4	4.24	102
Rikuu 132	Improved	1921	2	317.8	114.6	157.7	284.8	384.1	312.6	249.2	55.6	5.6	15.3	80.7	8.4	5.3	7.6	8.3	59.7	10.7	0.71	0.34	0.18	1.20	0.23	20.1	0.45	1.50	18.1	0.23	0.70	0.19	2.40	27.0	0.83	35.9	3.96	95	
Rikuu 20	Improved	1915	2	257.4	45.1	105.1	273.5	298.8	244.1	41.8	6.0	17.1	77.0	7.8	5.6	-	7.7	78.1	13.6	0.87	0.44	0.18	1.43	0.23	24.8	0.44	1.66	19.0	0.18	0.76	0.15	2.41	43.4	1.06	59.2	2.34	102		
Sachikaze	Improved	1960	4	247.6	42.8	106.9	298.3	260.1	297.5	175.8	33.7	5.5	16.5	80.7	8.3	5.4	8.0	8.3	79.0	13.7	0.68	0.43	0.17	1.16	0.21	21.2	0.46	1.26	19.0	0.22	0.59	0.17	2.37	46.3	1.02	66.2	2.59	-	
Sakhiikari	Improved	2003	6	242.2	40.4	85.9	273.2	301.4	298.8	29.4	5.4	14.2	81.5	8.6	5.0	7.4	8.4	69.9	15.6	0.87																			