

TEA RESEARCH FOUNDATION OF KENYA



A list of released clones showing highest yields in Timbilil, Kericho, year of release, % total polyphenols, leaf colour and quality index relative to the high black tea quality clone, TRFK 6/8

CLONE	Source of Seed	Yields kg (Kg mt/ ha)	Year of release	% Total polyphenols*	Variety type	Quality index ^s	Immature leaf colour	Resistance to pests/diseases	Adaptability /stability
TRFK 303/577	OP of TRFK 6/8	7817 (2.9)	1989	20.57	China	Medium quality	yellow-green	Sus.-nematodes	average
TRFK 11/4	Kericho, Kenya	6132 (2.3)	1964	22.50	Assam	Medium quality	yellow-green	Moderate	Unknown/commercial
¹ TRFK 301/5	Reunion	5909 (2.2)	2001	22.47	Cambod	Medium quality	yellow-green	Resistant-nematodes	Average
TRFK 303/178	OP of TRFK 6/8	5722 (2.1)	1986	22.00	Assam	Medium quality	yellow-green	resistant	Unknown/ commercial
TRFK 303/1199	OP of TRFK 6/8	5569 (2.1)	1989	24.97	Assam	Medium quality	yellow-green	Susc. nematodes	Below average
TRFK 303/216	OP of TRFK 6/8	5383 (2.0)	1986	20.17	Assam	Plain quality	yellow-green	susceptible	Unknown/ commercial
TRFK 108/82	Rwebitaba, Uganda	5329 (2.0)	1976	21.07	China	high quality	yellow-green	moderate	Unknown/shelved
TRFK 303/231	OP of TRFK 6/8	5286 (2.0)	1989	25.10	Assam	Plain quality	yellow-green	Sus-Phomopsis	Unknown/ commercial
TRFK 7/9	Ambangulu, Tanzania	5246 (2.0)	1969	24.20	China	High quality	yellow-green	moderate	Above average
TRFK 100/5	Rwebitaba, Uganda	5238 (2.0)	1976	22.73	Assam	Medium quality	yellow-green	tolerant	Unknown/shelved
TRFK 54/40	Kericho, Kenya	5117 (1.9)	1986	24.80	Assam	High quality	yellow-green	moderate	Unknown/ commercial
TRFK 31/8	Ambangulu, Tanzania	5049 (1.9)	1964	21.47	Assam	Medium quality	yellow-green	moderate	average
² TRFK 301/4	Reunion	4864 (1.8)	2001	23.10	Cambod	Plain quality	yellow-green	Susc. nematodes	average
TRFK 12/19	Kericho, Kenya	4686 (1.7)	1964	24.30	Assam	high quality	yellow-green	moderate	Average
TRFK 12/12	Kericho, Kenya	4671 (1.7)	1964	23.90	Assam	high quality	yellow-green	Susc. mites	Average
TRFK 7/3	Ambangulu, Tanzania	4592 (1.7)	1964	25.80	Assam	Medium quality	yellow-green	Mod, susc.frost	Average, East
TRFK 56/89	Kericho, Kenya	4580 (1.7)	1988	22.63	China	Medium quality	yellow-green	Sucs. Mites	
TRFK 7/14	Ambangulu, Tanzania	4496 (1.7)	1964	21.40	Assam	Medium quality	yellow-green	Susc.-mites	Unknown/ commercial
TRFK 6/8	Kericho, Kenya	4441 (1.7)	1964	27.07	Assam	high quality	yellow-green	Susc. nematodes	Average
TRFK 303/156	OP of TRFK 6/8	4410 (1.6)	1994	23.93	Assam	high quality	yellow-green	Resistant	Unknown/ commercial
TRFK 303/259	OP of TRFK 6/8	4351 (1.6)	1988	22.33	Assam	Plain quality	yellow-green	Moderate	Above average
TRFK 337/3	OP of TRFK 6/8	4104 (1.5)	1995	26.63	Assam	Medium quality	yellow-green	Resistant	Unknown/ commercial
TRFK 31/27	Ambangulu, Tanzania	4100 (1.5)	1988	21.93	Assam	Medium quality	yellow-green	Moderate	Average/shelved
TRFK 337/138	OP of TRFK 6/8	4097 (1.5)	1995	26.37	Assam	Plain quality	yellow-green	Moderate	Unknown/ commercial
TRFK 338/13	OP of TRFK 31/11	4097 (1.5)	1995	24.40	Assam	poor quality	yellow-green	Moderate	Unknown/ commercial
TRFK 303/999	OP of TRFK 6/8	3945 (1.5)	1989	20.87	Assam	Medium quality	yellow-green	Resistant	average
TRFK 303/791	OP of TRFK 6/8	3927 (1.5)	1989	23.70	Assam	Plain quality	yellow-green	No data	

TRFK 303/978	OP of TRFK 6/8	3920 (1.5)	1989	21.33	Assam	Plain quality	yellow-green	No data	Unknown/ commercial
TRFK 303/199	OP of TRFK 6/8	3840 (1.4)	1988	22.17	Assam	Plain quality	yellow-green	Resistant	Unknown/ commercial
TRFK 303/186	OP of TRFK 6/8	3798 (1.4)	1994	23.63	Assam	poor quality	yellow-green	Moderate	Unknown/ commercial
TRFK 31/11	Ambangulu, Tanzania	3753 (1.4)	1969	22.97	Assam	high quality	yellow-green	Moderate	Unknown/shelved
TRFK 303/152	OP of TRFK 6/8	3591 (1.3)	1994	20.67	Assam	Medium quality	yellow-green	Resistant	Unknown/ commercial
TRFK 303/179	OP of TRFK 6/8	3591 (1.3)	1994	24.90	Assam	Medium quality	yellow-green	Moderate	Unknown/ commercial
TRFK 303/745	OP of TRFK 6/8	3523 (1.3)	1989	19.63	Assam	poor quality	yellow-green	No data	Unknown/ commercial
TRFK 303/348	OP of TRFK 6/8	3405 (1.3)	1989	21.33	Assam	poor quality	yellow-green	No data	Unknown/commercial
TRFK 303/388	OP of TRFK 6/8	3376 (1.3)	1989	21.33	Assam	Plain quality	yellow-green	No data	Unknown/ commercial
TRFK 303/366	OP of TRFK 6/8	3369 (1.3)	1989	21.80	Assam	poor quality	yellow-green	No data	Unknown/ commercial
TRFK 347/314	OP of TRFK 6/8	3362 (1.3)	1995	25.13	Assam	Plain quality	yellow-green	No data	Unknown/ commercial
TRFK 303/352	OP of TRFK 6/8	3340 (1.2)	1989	21.67	Assam	poor quality	yellow-green	Resistant	Unknown/ commercial
TRFK 347/26	OP of TRFK 6/8	3269 (1.2)	1995	23.13	Assam	poor quality	yellow-green	Resistant	Unknown/ commercial
TRFK 347/336	OP of TRFK 6/8	3260 (1.2)	1995	23.97	Assam	Plain quality	yellow-green	Moderate	Unknown/ commercial
TRFK 31/29	Ambangulu, Tanzania	3255 (1.2)	1988	21.13	Assam	poor quality	yellow-green	Moderate	Unknown/shelved
TRFK 347/573	OP of TRFK 6/8	3225 (1.2)	1995	23.50	Assam	Plain quality	yellow-green	Resistant	Unknown/ commercial
TRFK 31/28	Ambangulu, Tanzania	3180 (1.2)	1988	22.97	Assam	poor quality	yellow-green	Moderate	Unknown/ commercial
TRFK 55/56	Kericho, Kenya	3147 (1.2)	1988	22.47	Assam	poor quality	yellow-green	Susceptible	Unknown/shelved
TRFK 303/35	OP of TRFK 6/8	3073 (1.1)	1994	22.00	Assam	poor quality	yellow-green	Resistant	
TRFK 55/55	Kericho, Kenya	3066 (1.1)	1988	21.90	Assam	poor quality	yellow-green	Moderate	Unknown/shelved
TRFK 371/3	OP of AHP S15/10	6000 (2.2)	2008	26.00	Assam	High quality	yellow-green	Moderate	Wide adaptability
TRFK 430/90	TRFCA SFS150 x AHP S15/10	6000 (2.2)	2008	27.00	Assam	High quality	yellow-green	Moderate	Wide adaptability

NB: *Total polyphenols were estimated from fresh shoots by method outlined in British Standard ISO document (BS ISO 14502-1.2005(E)), following which the relative quality of the clones can be described as: high quality (24.80 - 27.07%), medium high quality (22.47 - 24.40%), medium quality (19.57 - 22.33%) and low quality (17.53 - 19.17%). [§] Quality indices were derived from Tea Tasters' sensory evaluation data as determined at the Mombasa tea auction. In parenthesis () are green leaf yields (Kg) per bush per year; ^{1,2} Attained 8304 Kg mt/ha/yr (3.1 Kg) and 7322 Kg mt/ha/yr (2.7 Kg), respectively, in 2004 by the end of the first pruning cycle.