

Appendix 1. List of *C. canephora* genotypes and their values in tests of Guinean and Congolese parents from the first SRR cycle for yield, rust susceptibility and bean size (Montagnon, 2000).

Code	Genotype	Group	Average yield in % 461	% trees with sporulation	Bean size
29	2571	B	48	8	
58	2583	B	35	30	12.72
60	2507	B	43	0	12.36
91	2569	B	64	54	
6	2518	Und	43	1	15.15
2	2669	C	56	0	10.95
33	2654	C	60	7	14.42
36	2679	C	55	2	
38	387	SG1	75	53	13.07
10	99	SG1	69	44	14.34
14	A30	SG1	81	28	14.94
18	307	SG1	101	18	11.60
26	314	SG1	73		
39	136	SG1	74	83	14.50
47	307	SG1	101	18	11.60
63	466	SG1	105	43	13.07
66	115	SG1	49	2	15.00
84	77	SG1	108	7	13.80
5	206	SG2	78		
22	2651	SG2	96	17	15.27
24	2650	SG2	66	6	13.77
25	210	SG2	75	8	10.91
50	464	SG2	86	36	12.50
8	222	SG2	56	27	14.12
76	46	SG2	44	28	14.90
81	32	SG2	77	2	13.48
83	2504	SG2	89	5	12.29
85	392	SG2	90	0	10.89
19	111	SG2	81	7	14.60
30	69	SG2	77	0	11.00
3	2143	Guinean	34	17	13.44
7	2090	Guinean	43	44	12.16
11	2070	Guinean	62	42	14.54
12	GOA31	Guinean	57	82	13.43
13	2178	Guinean	48	86	16.36
15	2145	Guinean	50	96	11.46
16	212	Guinean	80	75	16.63
17	2210	Guinean	49	52	14.98
20	2218	Guinean	45	80	11.51
21	2016	Guinean	49	88	10.19

23	2121	Guinean	46	38	12.44
27	GOA34	Guinean	62	28	13.79
28	2141	Guinean	50	71	12.33
69	GOA27	Guinean	42	49	14.98
32	2169	Guinean	53	92	12.48
31	2130	Guinean	45	40	12.49
34	2121	Guinean	46	38	12.44
42	2228	Guinean	54	59	13.77
49	2204	Guinean	56	73	19.15
51	2096	Guinean	50		
52	2171	Guinean	44	41	14.96
54	2028	Guinean	45	74	10.84
55	2227	Guinean	50	55	16.00
57	2155	Guinean	61	37	12.22
59	2255	Guinean	31	43	13.92
64	2213	Guinean	48	94	18.41
65	2009	Guinean	60	38	13.43
67	2224	Guinean	67	87	19.36
71	2189	Guinean	59	32	13.56
73	2105	Guinean	60		
79	2245	Guinean	44	62	14.12
82	2293	Guinean	26	30	16.31
86	2056	Guinean	68	20	13.56
87	410	Guinean	82	36	12.50
92	416	Guinean	30	30	
93	2040	Guinean	40	42	10.23

For Guinean genotypes: the grain size is expressed in weight (grams) of 10 seeds at 12% moisture and the average test value was performed on the tester clone 464.

For the Congolese genotypes: the grain size is expressed in weight (grams) of 10 seeds at 12% moisture and the average was adjusted with respect to tester 410; the test value on clone 155 is multiplied by

$57/47 = \text{Average of the test values on 410} / \text{Average of the test values on 155}$.