

Supplementary Information S2

Seed samples	Maize Variety	Origin of maize	Weight (g)	Estimated number of seeds	PCR results					Farmer activities		Comments
					p35s	zein	Cry1Ab	MON810	NK603	Recycles	Shares	
1	Red Maize	Bought 2 yrs. ago in the Agricultural Shop, then recycled.	30.4	101	-	n/a	n/a	n/a	n/a	Recycles	Shares	Same household as sample 2
2	Silver King	Bought 2 yrs. ago in the Agricultural Shop, then recycled.	32	107	-	n/a	n/a	n/a	n/a	Recycles	Shares	Same household as sample 1
3	Xhosa White Maize	Recycled	20.4	68	-	n/a	n/a	n/a	n/a	Recycles	Shares	
4	Xhosa White Maize	Recycled	25.8	86	+	+	+	+	-	Recycles	Shares	
5	Silver King, Xhosa Maize	Recycled	34.6	115	-	n/a	n/a	n/a	n/a	Recycles	Shares	Same household as sample 15
6	Roundup Ready (DKC78-35R)	Agricultural Shop	32.8	109	+	+	-	-	+	Recycles	Shares	Same household as sample 20. Recycles, but not often
7	Roundup Ready	Ntinga Project	23.3	78	+	+	-	-	+	Recycles	Shares	Same household as sample 10 and 11
8	Xhosa Yellow Maize	Recycled	31	103	-	n/a	n/a	n/a	n/a	Recycles	Shares	
9	Local White Maize (Silver King), Red Maize	Recycled White Maize, Red maize from Agricultural Shop	32.6	109	-	n/a	n/a	n/a	n/a	Recycles	Shares	Mixed seeds together
10	Project maize	Recycled for two years	31.9	106	-	n/a	n/a	n/a	n/a	Recycles	Shares	Same household as sample 7 and 11, might be derived from NK603 from the Ntinga project.
11	Silver King	Recycled	29.9	100	-	n/a	n/a	n/a	n/a	Recycles	Shares	Same household as sample 7 and 10
12	Silver King	Agricultural Shop	34.9	116	+	+	n.d.	+	-	No	Shares	
13	Xhosa Red Maize	Recycled	30.5	102	-	n/a	n/a	n/a	n/a	Recycles	Shares	Same household as sample 5

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14	White Maize	Received from relatives outside the village	27.4	91	-	n/a	n/a	n/a	n/a	Recycles	Shares	
15	McDonalds "Mac Medium Pearl"	Agricultural Shop	33	110	-	n/a	n/a	n/a	n/a	Recycles	Shares	
16	CHEEKY White Maize	Grocery Shop	17.5	58	-	n/a	n/a	n/a	n/a	Recycles	Shares	Recycles, but not the last few years
17	Silver King/Xhosa White Maize	Recycled	32	107	-	n/a	n/a	n/a	n/a	Recycles	Shares	
18	Xhosa Maize, mixed seeds (Black Maize, Silver King/White Maize, Red Maize)	n.d.	34.5	115	-	n/a	n/a	n/a	n/a	n.d.	n.d.	Likely recycled seed
19	Xhosa Maize (Silver King)	Recycled	21.8	73	-	n/a	n/a	n/a	n/a	Recycles	Shares	Farmer told us this variety had white kernels on a red cob.
20	Roundup Ready	Recycled	35.6	119	+	+	-	-	+	Recycles	Shares	A whole cob, same household as sample 6. Recycles, but not often.

Table 1 Seed Samples Overview of all seed samples, each sample consisting of between 58 to 119 seeds, donated by a farmer. The maize variety and the origin of the seeds as far as we were able to track it with the farmers is given in columns 'Maize variety' and 'Origin of maize'. The weight of the seed samples and estimated number of seeds are given in the next two columns. Under 'PCR results' the first column indicates which samples were positive of the *p35s* transgene. Then follows a test for the maize reference gene *zein*. Two tests for the presence of insect resistance genes were performed, and results are shown in the columns 'Cry1Ab' for the presence of the *cry1Ab* transgene, and in column 'MON810' (Bt-maize) for the event specific tests. The results of the test for the NK603 event (Roundup Ready) is shown in the last column under 'PCR results'. Finally, information is given on whether the farmer participates in recycling or sharing of seeds (in the cases where this information was given).