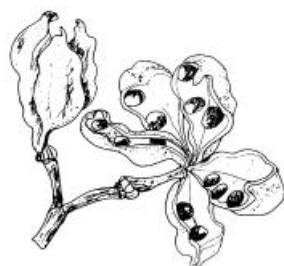


Sterculia quinqueloba

<i>Collecting partner</i>	Forestry Research Institute of Malawi (FRIM) P.O. Box 270 Zomba, Malawi				
<i>Collection date</i>	23-24 September 2001				
<i>Seed source</i>	Liyenda				
Initial trials					
	Fruit	Seed	Seed coat	Embryo and storage tissue	
<i>Mc (%)</i>	74,4 ± 1,65	42,0 ± 7,88	41,2 ± 8,13	46,5 ± 6,49	
<i>Initial germination (%)</i>	51				
Desiccation trial					
<i>Mc after desiccation (%)</i>	37±2,70	32±1,39	23±1,22	12±0,72	
<i>Germination (%)</i>	43	72	65	70	
Storage trial					
Storage in refrigerator 5 °C					
<i>Mc after 3 months (%)</i>	39,8	31,4	25,2	8,0	
<i>Germ. after 3 months (%)</i>	2 (2,31)	26 (9,52)	42 (10,1)	57 (5,03)	
<i>Mc after 6 months (%)</i>	38,8	33,5	24,1	*	
<i>Germ. after 6 months (%)</i>	0	0	68 (5,66)	77 (5,03)	
Storage in cold room 0-10 °C					
<i>Mc after 3 months (%)</i>	40,5	33,0	20,8	9,8	
<i>Germ. after 3 months (%)</i>	0	2 (2,31)	63 (5,03)	40 (14,9)	
<i>Mc after 6 months (%)</i>	40,8	32,5	24,4	*	
<i>Germ. after 6 months (%)</i>	0	0	58 (11,5)	76 (10,6)	
Storage at ambient 23-28 °C					
<i>Mc after 3 months (%)</i>	54	33,8	24,3	10,5	
<i>Germ. after 3 months (%)</i>	0	0	0	49 (11,0)	
<i>Mc after 6 months (%)</i>	39,4	32,9	23,6	6,5	
<i>Germ. after 6 months (%)</i>	0	0	0	66 (10,1)	
Comments and conclusions	The seeds seem tolerant of desiccation as well as low temperatures and should be stored cold at low mc.				

Numbers in parenthesis are standard deviation

* Not determined due to shortage of seeds



Mature fruits of *Sterculia quinqueloba*.

From: Mbuya et al., Useful Trees and Shrubs of Tanzania. SIDA 1994.