

Kigelia africana

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Collection date	23-24 August 2000						
Seed source	Balla						
Initial trials (Burkina Faso)							
Mc after processing (%)	27,03±3,11						
Initial Germination (%)	71±7						
Initial trials (UK)							
	Lenght	Width	Breath				
Seed size	9,6±1,0 mm	5,5±0,6 mm	4,0±0,4 mm				
Seed weight	0,94±0,20 g						
Mc after processing (%)	22,0±3,4						
Initial Germination (%)	87±8						
Desiccation trial (Burkina Faso)							
Mc after desiccation (%)	25	20	14,81	11,9	8,95	6,63	
Germination (%)	68±11	74±5	72±5	75±10	78±3	72±5	
Desiccation trial (UK)							
Mc after desiccation (%)	10,8±0,9	12,0±0,9	3,4±0,4	3,6±0,2	3,3±0,3		
Germination (%)	89±6,8	78±10,1	86±5,7	83±10,5	71±13,2		
Storage trial (Burkina Faso)							
Storage at 25°C							
Mc after 3 months (%)	24,5±2,8	10,4±1,4	10,3±1,3	14,5±2	8,1±1,6	7,0±1,3	7,1±0,6
Germination after 3 months (%)	56±8	69±18	59±1	69±12	53±1	55±1	79±7
Mc after 6 months (%)	32,9±7,6	9,1±1,3	13,3±5,4	15,8±1,7	8±2,9	7,7±1,8	8,5±2
Germination after 6 months (%)	70±5	12±5	2±2	20±3	61±10	69±4	68±8
Storage at 16°C							
Mc after 3 months (%)	17,8±6,2	16±6	11±2,2	12,2±0,6	9,7±2	7,3±0,4	7,1±0,4
Germination after 3 months (%)	25±18	43±1	43±4	52±2	77±4	82±8	77±1
Mc after 6 months (%)	9,4±1,5	11,2±1,7	9,1±0,4	12,5±0,6	10,8±0,4	8,3±0,7	6,7±2,1
Germination after 6 months (%)	0	68±5	61±4	51±1	64±8	71±12	73±12
Storage at 3-5°C							
Mc after 3 months (%)	17,4±1,1	12,1±2	11,7±1,5	13,7±4,1	11,7±1,2	11,1±4,3	6,9±2,1
Germination after 3 months (%)	66±16	68±11	70±11	58±0	58±5	62±5	72±16
Mc after 6 months (%)	24±2,4	9,7±1,6	11,9±2,9	9,7±1,3	10,6±1,7	8,8±1,4	7,7±1,6
Germination after 6 months (%)	36±14	55±4	44±14	56±0	71±4	71±18	69±10
Comments and conclusions	The seeds of <i>Kigelia africana</i> are desiccation tolerant. After 6 months, the seeds stored with low moisture content retain their viability longer. Regarding storage temperature, 16°C and 3-5 °C is better than at 25 °C.						