



## Seed collection, handling and number of seeds per kilogram

### Collection method

g: collecting the fallen fruits and seeds from the ground.

g: collection from the crown by climbing the tree with or without tools.

g: collection from the crown with access from the ground with or without tools.

### Drying period

depends mainly on weather conditions. The period given in the tables applies under good drying weather conditions.

Species	Local name	Time for seed collection (months)	Collection method	Extraction method	Drying		Separation (cleaning)	Seeds per kg	Storage	Pre-sowing treatment	T
					Method	Period (days)					
<i>cantha</i>	Ngowe	June–Sept.	Picking Ground	Threshing	Sun	3–5	Winnowing	14,000– 16,000	Airtight container	Soak in hot water	J
s	Mzunga Nsangu	May–Oct.	Climbing	Threshing	Sun	3–5	Winnowing	12,000– 31,000	Airtight container	Soak in hot water	J
<i>gitata</i>	Mlambe	April–Oct.	Shaking Climbing Ground	Crushing Soaking	Sun	3–5	Washing	1,500– 3,000	Airtight container	Soak in hot water	J
<i>zensis</i>	Mupapa	June–Oct.	Climbing Picking	Sun drying	Sun	3–5		450	Airtight container	Not necessary	J
a	Mkalanga Msengwa Mnye	Dec.–April	Climbing	Drying	Sun	3–5	Hand	10,000– 13,000	Airtight container	Soak in hot water	J
<i>color</i>	Mlilanzenze Mtanga Msasempanga	Aug.– Nov.	Climbing Ground	Threshing Drying	Sun	3–7	Hand	6,000– 8,000	Airtight container	Soak in cold water	J





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	Chikuni Chashaba Buwa	March– June	Picking Ground	–	Sun	3–5	Hand	150–200	Container	Soak in	S
<i>malensis</i>	Mpovya	Dec.–April	Picking Ground	Crushing Squeezing	Sun	3–5	Washing	2,500– 3,000	Airtight container	Not necessary Loses via- bility within 6 months	Ju
<i>us</i>	Jackfruit	Oct.–Feb.	Climbing Ground	Soaking	Sun	3–5	Hand washing	45–90	Not recom- mended	Not necessary	O
<i>ndica</i>	Nimu	Feb.–May	Picking	Soaking	Not recom- mended	–	Washing	5,000	Not recom- mended	Not necessary	A
<i>eanana</i>	Mkole	Aug.–Sept.	Climbing Ground	Drying	Sun	3–5	Washing	±4,000	Looses via- bility within 6 months	Not necessary	F
<i>ptiaca</i>	Nkuyu	April–Sept.	Picking Ground	Mortar Pestle	Sun	3–7	Washing	350	Airtight container	Soak in cold water	Ju
<i>rsiana</i>	Mpondo Katondotodo	May–Sept.	Climbing Ground	Drying	Sun	3–7	Washing	±1,500	Airtight container	Soak in water	Ju
<i>color</i>	Mtacha Mziyi	Feb.–May	Picking	Squeezing	Sun	3–5	Washing	3,000– 3,500	Airtight container	Not recom- mended	Ju
<i>tiopum</i>	Mlaza Chipamba Kakoma	Aug.–Dec.	Climbing Ground	Soaking	Sun	4–7	Washing	2–3	Airtight container	Not necessary	M





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<i>bussei</i>	Mkongolo Mwanza Masaka	July–Aug.	Climbing Ground	Drying	Sun	3–7	Washing	1,500	Airtight container	Soak in water	
	Mputi	June–Nov.	Climbing	Sun drying	Sun	5–7		1,500– 2,600	Airtight container	Nicking	
<i>antha</i>	Mpasa Mlebezi Msongamino	Nov.–Jan. Ground	Climbing	Soaking Sieving	Sun 19,500	3–5 well	Winnowing necessary	19,000–	Does not store	Not	
<i>na</i>	Kawidzi Mkoso Ngalati Kapanga	April– Oct.	Climbing Ground	Threshing Drying	Sun	3–5	Hand	12,500– 14,000	Airtight container	Soak in hot water	
<i>decapetala</i>	Chatata	June–Aug.	Picking Ground	Drying	Su	3–5	Winnowing Hand		Airtight container	Soak in hot water	
<i>lothysrus</i>	Kalyandula	Aug.–Sept.	Picking	Threshing	Sun	3–5	Winnowing	19,000	Airtight container	Soak in hot water	
<i>a</i>	Papayi	Feb.–Nov.	Climbing Picking	Soaking	Sun	2–4	Washing	±20,000	Airtight container	Not necessary	
<i>viata</i>	Mkoswe Mtantany- elele Mnyoka	June–Aug.	Climbing Picking Ground	Drying	Sun	3–7	Winnowing Sieving	±15,000	Airtight container	Soak in cold water	
<i>n</i>	Nyamundolo	April–July	Picking	Drying	Sun	3–5	Washing		Airtight container	Soak in cold water	





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					Method	Period (days)					
<i>a</i>	Kajwalina	July–Sept.	Climbing	Sun drying	Sun	2–5	Sieving	600,000–900,000	Airtight container	Not necessary	
	Ndimu	April–Aug.	Picking Ground	Soaking Squeezing	Sun	2–4	Washing		Airtight	Not necessary	
<i>um</i>	Kalamamba Tsanya Mpane'e Mkwelambulu	May–Oct.	Climbing Ground	Drying	Sun	3–7	Hand		Airtight container	Not necessary	
<i>olle</i>	Kalama Mkute Kailunguni	June–Sept.	Climbing Ground	Drying Threshing	Sun	3–5	Hand Floatation	10,000–15,000	Airtight container	Remove seed wings	
<i>zonica</i>	Saipuresi	May–July	Climbing Ground	Drying	Sun	3–5	Sieving	88,000–200,000	Airtight container	Not necessary	
<i>itanica</i>	Saipulasi	May–Aug.	Climbing	Sun drying	Sun	3–5	Sieving	160,000–290,000	Airtight container	Not necessary	
	Flamboyant	April–June	Climbing Ground	Drying Shaking	Sun	2–5	Winnowing	±2,000	Airtight container	Soak in hot water	
<i>cinerea</i>	Kalumpangala	May–Oct.	Climbing Ground	Drying	Sun	3–7	Winnowing		Airtight container	Soak in hot water	
<i>nis</i>	Mchenja, Mchenjamusumu	April–Sept.	Picking	Trampling Mortar Pestle	Sun	2–4	Hand/Washing	2,700–3,200	Airtight container	Not recommended	





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<i>...s</i>										
<i>...pon</i>	Mtowa, Mtombozi	June–Aug.	Climbing Ground	Drying	Sun	3–7	Floatation		Airtight container	Not necessary
<i>...undifolia</i>	Matowo Mchiu	Oct.–Nov.	Climbing Ground	Drying Threshing	Sun	3–5	Hand Winnowing	35,000–40,000	Not recommended	Not necessary
<i>...yssonica</i>	Mulunguti Mwale	Dec.–March	Climbing Ground	Drying Threshing	Sun	3–7	Hand Winnowing	6,800	Airtight container	Not necessary
<i>...itriodora</i>	Bulugamu	May–Sept.	Climbing Shaking	Drying	Sun	1–3	Sieving	140,000–220,000	Airtight container	Not necessary
<i>...randis</i>	Bulugamu	May–Sept.	Climbing Shaking	Drying	Sun	1–2	Sieving	900,000–3 million	Airtight container	Not necessary
<i>...s</i>	Bulugamu	April–July	Climbing Shaking	Drying	Sun	1–2	Sieving	300,000–800,000	Airtight container	Not necessary
<i>...bida</i>	Msangu	July–Oct.	Climbing	Mortar Pestle	Sun	3–4	Winnowing	±13,000	Airtight container	Soak in hot water
<i>...a</i>	Chiyele Chinsense	Oct.–April	Climbing Ground	—	Sun	3–7	Winnowing	165,000	Not recommended	Not necessary
<i>...dica</i>	Ntudza	May–Sept.	Climbing Picking	Drying Mortar Pestle	Sun	3–7	Winnowing	±200,000	Airtight container	Soak in hot water
<i>...hananii</i>	Matatane Msamusa Msongwa	Jan.–April	Climbing Ground	Soaking	Sun	3–7	Winnowing	–	Not recommended	Soak in cold water





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<i>...um</i>	Quick stick	Aug.–Oct.	Ground Picking	Drying	Sun	3–5	Winnowing	6,500–8,000	Airtight container	Soak in hot water
<i>...rea</i>	Malaina	Oct.–Dec.	Ground	Soaking Pounding	Sun	3–5	Floating	1,400–2,500	Airtight container	Not necessary
<i>...sta</i>		May–July	Climbing	Threshing	Shade	3–5	Winnowing	±83,000	Airtight container	Not necessary
<i>...mosifolia</i>		March–June	Climbing Picking	Drying	Sun	2–5	Hand	63,000–80,000	Airtight container	Not necessary
<i>...aniculata</i>	Mtondo	Aug.–Dec.	Climbing	Drying Ground	Sun	3–7	Hand		Airtight container	Soak in cold water
<i>...obiflora</i>	Kamponi	July–Nov.	Climbing Ground	Drying	Sun	3–7	Hand	1,500–2,000	Airtight container	Soak in cold water
<i>...a</i>	Mubawa Mlulu	June–Oct.	Climbing Ground	Drying	Sun	3–7	Hand	2,000–3,800	Airtight container	Not necessary
<i>...na</i>	Mvunguti Mvungula Chizutu	Jan.–March	Climbing Ground	Soaking Mortar Pestle	Sun	3–7	Washing	3,400–6,000	Seed does not store well	Not necessary
<i>...nata</i>	Mtumbwi Mzumba	April–August	Ground Climbing	Drying Shaking	Sun	3–5	Floatation	3,000	Airtight container	Not necessary
<i>...nthurthii</i>	Chaumbu	Nov.–Feb.	Climbing Ground	Soaking	Sun	3–5	Hand Floatation	40,000–45,000	Not recommended	Not necessary
<i>...hlmannii</i>	Kombwanyika Msambandola		Ground Picking							
<i>...ocephala</i>	Lusina Lukina	June–Sept.	Picking	Threshing	Sun	3–4	Winnowing	13,000–34,000	Airtight container	Soak in hot water





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<i>s. capassa</i>	Chimpakasa Mswaswa Chiwala-wala	May–Oct.	Climbing Ground	Drying	Sun	3–5	Winnowing Floatation	5,000	Airtight container	Soak in cold water
<i>dica</i>	Manga	Nov.–April	Climbing Ground	Drying	Sun	3–5	Washing	±50	Airtight container	Remove seed coat
	Kasanika Msusankwale	May–Sept.	Climbing Ground	Drying Threshing	Sun	3–5	Hand Floatation	±32,000	Airtight container	Not necessary
<i>ach</i>	Chinkondi	April–Aug.	Ground	Mortar Pestle	Sun	4–7	Washing	2,100– 3,000	Airtight container	Not necessary
<i>fera</i>		July–Oct.	Picking	Threshing	Sun	2–5	Winnowing	4,000– 5,000	Airtight container	Not necessary
<i>tellifolia</i>	Mupundu Mubula	May–Nov.	Climbing Ground Pestle	Soaking Mortar	Sun/ Shade	3–7	Washing	250– 350	Airtight container	Not necessary
<i>golensis</i>	Muwanga	July–Oct.	Climbing Ground	Drying	Sun	3–7	Hand	3,000– 3,500	Airtight container	Not Necessary
<i>cana</i>	Kotapela	Picking March– June	Climbing Ground	Soaking	Shade	3–5	Washing	±15	Seed does not store well	Not necessary
	Msekese	May–Sept.	Picking	Mortar Pestle	Sun	3–5	Winnowing	±7,200	Airtight container	Not necessary
	Paini	May–Aug. Tumbling	Climbing	Sun drying	Sun	1–4		143,000	Airtight container	Not necessary





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Paini	Paini	April–July	Climbing	Sun drying Tumbling	Sun	2–5	De-winging	55,000– 62,000	Airtight container	Not necessary
	Paini	May–Aug.	Climbing	Sun drying Tumbling	Sun	3–5	De-winging Hand	±36,000	Airtight container	Not necessary
<i>stylis folia</i>	Msolo	June–Oct.	Climbing	Soaking	Sun	3–7	Hand Washing		Airtight container 24 hours	Soak in hot water for
<i>awa</i>	Gwawa	April–July	Picking	Soaking	Sun Ground	2–5	Washing	±500,000	Airtight	
Mlombe	Mlombe	April–July	Climbing	Sun drying Mortar Pestle	Sun	3–7	Hand	3,400– 5,000	Airtight container	Remove seed coat, soak in cold water
Mkusu	Mkusu	April–Sept.	Climbing Ground	Drying	Sun	47	Hand Winnowing	–	Airtight container	Soak in hot water
<i>unis</i>	Tsatsi Mono	Aug.–Oct.	Picking	Drying	Sun	37	Hand Winnowing	1,300	Airtight container	Not necessary
<i>rrea</i>	Mgamu Msewe	March– June	Climbing	Soaking Ground	Sun	2–5	Washing	400– 450	Airtight container. Can store for months at room temperature	Soak in cold water
Makeche	Makeche	June–Sept.	Climbing Ground	Drying	Sun	3–7	Floating	30,000– 45,000	Airtight container	Soak in cold water







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<i>bilis</i>		Aug.–Oct.	Climbing Ground Picking	Drying	Sun	3–7	Washing	31,000–45,000	Airtight container	Soak in hot water
<i>erantha</i>	Chizonga	July–Oct.	Picking	Threshing Winnowing	Sun	3–5	Hand	85,000–130,000	Airtight container	Soak in cold water
<i>an</i>	Chigoma Msalasese Jejejele	May–Oct.	Picking	Threshing	Sun	2–3	Floatation	±100,000	Airtight container	Soak in hot water
<i>ata</i>	Nandi flame	April–July	Climbing Ground	Drying Shaking	Sun	3–5	Floatation	±150,000	Not recommended	Not necessary
<i>cana</i>	Mgoza Mulele	April–July	Climbing Ground	Drying	Sun	3–7	Hand	15,000–17,000	Airtight container. Viable for 2 months only	Not necessary
<i>inqueloba</i>	Mgoza Mgozga Msambamfumu Mlelezombo	June–Oct.	Climbing Ground	Drying	Sun	3–7	Hand	24,000–28,000	Airtight container. Viable for 2 months at room temp.	Not container.
<i>cculoides</i>	Mzimbili Mzai Mtemya	Oct.–Dec.	Climbing Ground	Crushing Soaking	Sun	3–7	Washing	1,800	Airtight container	Soak in cold water
<i>nocua</i>	Mteme Mtulutulu Kabulukulu	Nov.–Feb.	Climbing Picking Ground	Breaking Soaking	Sun	3–5	Floatation Hand	1,800	Not recommended	Soak in cold water





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<i>mosa</i>	Mzimbili Mzai Msongolo	Sept.–Dec.	Climbing Picking Ground	Breaking Soaking	Sun	3–7	Floatation Hand	1,800	Airtight container	Soak in cold water	
<i>riensis</i>	Mchelekete	May–Sept.	Climbing	Drying Mortar Pestle	Sun	3–7	Washing Floating	±2,500	Airtight container	Soak in hot water	
<i>datum</i>	Mchisu Msombo Msinyika	Nov.– March	Climbing Ground	Soaking	Sun	2–5	Washing	400– 500	Seed does not store well	Not necessary	
<i>neense</i>	Katope Msombo	Oct.–Jan.	Ground			2–4	Winnowing	2,400– 3,700	Storage in open moist container possible for a few days	Not necessary	
<i>adica</i>	Bwemba	July–Nov.	Climbing Ground	Soaking Wire mesh	Sun	3–7	Winnowing	1,400– 2,600	Airtight container for 24 hours	Soak in hot water	
<i>is</i>	Bamatiki	June–Aug.	Climbing Ground	Soaking	Sun	3–7	Floating	100	Airtight container	Not necessary	
<i>elii</i>	Wombo Mtetezya Buba	June–Oct.	Picking	Drying Threshing	Sun	3–5	Hand Winnowing	17,000– 33,000	Airtight container	Soak in hot water	
<i>ricea</i>	Gonondo	May–Aug.	Ground		Sun	3–7	De-winging	1,200	Airtight container	Soak in cold water	





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<i>voiana</i>	Savesha	May–Aug.	Picking Ground	Soaking	Sun	3–7	Washing	±300	Airtight container	Not necessary	
	Sendelela	Nov.–Dec.	Climbing	Drying	Sun	2–5	Winnowing Sieving	300,000– 380,000	Airtight container	Not necessary	
<i>tica</i>	Msikizi	Dec.–April	Climbing	Shade Drying Shaking	Shade	3–5	Winnowing	300	Moist storage possible in open containers for a few days	Not necessary	
<i>ana</i>	Msuku	Aug.–Dec.	Climbing Picking	Soaking Squeezing Ground	Sun	3–5	Washing	±2,500	Does not store well	Removal of seed coat	
<i>a</i>	Kasokolowe	Sept.–Nov.	Climbing Ground	Soaking	Drying	3–5	Winnowing	–	Not recommended	Not necessary	
<i>barica</i>	Kasokolowe Katoto	Sept.–Dec.	Climbing Ground	Soaking	Drying	3–5	Winnowing	–	Not recommended	Not necessary	
<i>a</i>	Mfimfya Mfifya Mfutu	April–Aug.	Climbing Ground	Soaking	Sun	3–5	Washing	900– 1,300	Airtight container	Soak nut in cold water for 24 hours	
<i>ricana</i>	Ntengele Mtundu- lukwa	April–Aug.	Ground Picking	Soaking Squeezing	Sun	3–5	Washing	660– 1,400	Airtight container	Not necessary Seed only viable for three months	





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<i>sinica</i>	Kankande Mlashawantu	April–Nov.	Picking Ground	Soaking Squeezing	Sun	3–5	Washing	430– 2,000	Airtight container Remove fruit pulp	Soaking in water.
<i>ritiana</i>	Msau Masau	May–Oct.	Ground Picking	Soaking Squeezing	Sun	3–5	Washing	650– 3,500	Airtight container	Soaking seed in cold water for 24 hours

