

***Prunus africana* rapid inventory in 8 districts of Uganda report**

By

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Introduction

Most African countries are currently involved in exporting *Prunus africana* bark to pharmaceutical companies in the western world for production of human medicine. Some of the countries participating in this trade include Cameroon, Democratic Republic of Congo (DRC) and Madagascar. Cameroon exports about 2,000 tons per year while DRC and Madagascar each exports about 1,000 tons. The high demand in the export market and the unsustainable harvesting of *Prunus africana* bark has threatened the survival of the trees in Africa. The tree species is now listed among the endangered species protected by the Convention on International Trade in Endangered Species (CITES) regulations. Currently, for any country to export *Prunus africana* bark, the buyer(s) have to be registered and licensed by the CITES country representative. Before licensing the buyer, the CITES country representative should have up-to-date data on the populations of mature *Prunus africana* tree species, their locations and owners for traceability reasons.

The findings of this exercise are to be used as the basis for licensing and giving quarters to the exporter of *Prunus africana* bark. But for meaningful export business, a buyer will require a minimum between 800 to 1,000 tons per year of raw bark. In order to bring employment in the country, a genuine buyer of *Prunus africana* raw bark should be given conditions to set up a processing plant to produce the extract of *Prunus africana* within 5 years.

Since CUDWELL Industries Uganda Limited has exclusively funded the whole *Prunus africana* rapid inventory, the findings of this inventory should not be disclosed to any body except NFA, NaFORRI and CUDWELL. For proper development of this *Prunus africana* bark harvesting and processing, it is imperative for the CITES authority in Uganda to give an exclusive right to CUDWELL to buy *Prunus africana* bark from private forest owners for at least a period of five years. This will allow CUDWELL to develop the industry by setting up a processing plant for production of the liquid extract from the *Prunus Africana*. This will enable CUDWELL to recover their investment in the inventory exercise as they offer employment to Ugandans.

Purpose of the survey

The survey targeted private forest and on-farm plantation owners of mainly mature *Prunus africana* tree species. It has partially established and documented locations of *Prunus africana* population of trees with a DBH of 30 cm and above.

The broad objectives are to locate mature populations of *Prunus africana* and the owners. The specific objectives are the following:

1. To identify private forest owners and farmers with *Prunus africana* tree species on their land.
2. To document the locations of private forest owners and farmers with *Prunus africana* tree species on their land.
3. To estimate the number of *Prunus africana* trees with a DBH of 30 cm and above.

Methodology

This survey was conducted in the districts of Mukono, Bushenyi, Kasese, Kyenjojo, Kabarole, Bundibugyo, Kibaale and Hoima. These districts were purposively selected because of their good natural endowment with forests and tree resources vegetation cover. The districts are rich in *Prunus africana* tree species coverage in their forests.

The enumerators approached the tree owners through the District Forestry Officer (DFO) in each of the selected districts. The enumerators held brief preparatory meetings with the respective DFOs and their staffs to explain the purpose of carrying out the inventory. The DFOs were the lead informants in identifying private forest owners and farmers with mature *Prunus africana* populations. The DFOs selected tour guides who led the enumerators to pre-identified *Prunus africana* owners and also participated in the enumeration exercise.

During the exercise, the Private Forest Owners and Farmers of *Prunus africana* trees were be documented. Detailed documentation per *Prunus africana* population included among other things the following: Name of forest owner, contact details including phone contacts, number of *Prunus africana* trees, number of mature debark able *Prunus africana* trees and their physical status.

Results

This section contains partial results of the locations of mature of *Prunus africana* tree populations and their owners. The exercise is still on-going and location details shall be added at an appropriate time but below are the available results.

No	District	No. Of farmers so far	Approx. No. of <i>Prunus</i> trees above 30cm DBH	Remarks
1	Mukono	21	212	More farmers with <i>Prunus africana</i> trees will identified

				during the detailed mapping and coding exercise.
2	Hoima	50	1,170	More farmers with <i>Prunus africana</i> trees will identified during the detailed mapping and coding exercise
3	Kibaale	5	8	More farmers with <i>Prunus africana</i> trees will identified during the detailed mapping and coding exercise
4	Kyenjojo	14	12,316	More farmers with <i>Prunus africana</i> trees will identified during the detailed mapping and coding exercise
5	Kabarole	16	6,672	More farmers with <i>Prunus africana</i> trees will identified during the detailed mapping and coding exercise
6	Bundibugyo	4	2,300	More farmers with <i>Prunus africana</i> trees will identified during the detailed mapping and coding exercise
7	Kasese	0	0	Most of the trees are in protected areas
8	Bushenyi	0	0	Most of the trees are in protected areas
		110	22,768	

NB: *Prunus africana* trees that were below 30cm diameter are not included in these totals.

Location and ownership details of mature *Prunus africana* trees in privately owned forests

***Prunus africana* rapid inventory Mukono District partial results**

Name	Designation	Phone Contact No.
Mr. Misango Lasto of Kisoga Trading Centre	Farmers' contact person No. 1	(0772-617967)
Christopher of Kisoga Trading Centre	Farmer's contact person No. 2	(0782-660220)
Mr. Robert Byaruhanga	DSF i.e Forest Officer in charge of Kisoga	(0772499)
Mr. Mujuni	DFO Mukono district	0772-414509)

District	Sub county	Parish	Village	Name	Trees above 30cm DBH
Mukono	Ssii	Lugoba	Bubwa	Mukasa Samwili	30
Mukono	Ntenjeru	Bulikasa	Bugoye	Nsubuga	7
Mukono	Ntenjeru	Bulikasa	Bugoye	Nankya	14
Mukono	Ntenjeru	Mpatta	Lubiri	Okuku	6
Mukono	Ntenjeru	Banga	Bugoye	Kayongo	6
Mukono	Ntenjeru	Banga	Bugoye	Nalongo Ben	23
Mukono	Ntenjeru	Kiyanja	Bugoye	Kavuma	6
Mukono	Ntenjeru	Kawuna	Bugoye	Lubega	8
Mukono	Ntenjeru	Kawuna	Bugoye	Ssekandi	27
Mukono	Ntenjeru	Mpata	Bugigi	Kibombo	6
Mukono	Ntenjeru	Mpatta	Lubiri	Bulaimu	7

Mukono	Ntenjeru	Mpatta	Bugigi	Namusisi	5
Mukono	Ntenjeru	Mpatta	Bugigi	Lwanga	4
Mukono	Ntenjeru	Nsamba	Nsamba	Ssebaduka	10
Mukono	Ntenjeru	Nsamba	Nsamba	Zolo	4
Mukono	Ntenjeru	Ntanzi	Kiganda	Lwanga	5
Mukono	Ntenjeru	Lugala	Lweza	Nambobi	6
Mukono	Ntenjeru	Sayi	Kibale	Luyima	17
Mukono	Ntenjeru	Banda	Banda	Bamujje	5
Mukono	Ntenjeru	Nsanja		Gidudu M.	4
Mukono	Ntenjeru	Nsamba	Nsamba	Kiwunda	12
					212

***Prunus africana* rapid inventory Hoima Partial Results**

Name	Designation	Phone Contact No.
Moses Ssemahunge of Hoima Town	Farmer's contact person No. 1	(0777-101768; 0782-365936)
Peter Bindikabona of Hoima Town	Farmer's contact person No. 2	(0782-492767)
Jackson Mugisha	Asst. DFO Hoima district	(0772-559934)
James Kihika	District Forest Officer, Hoima	(0772-643037)

District	Sub-county	Parish	Village	Name	Approx. No of trees above 30cm DBH
Hoima	Kyagwali	Butoole	Butoole	Church of Butoole	7
Hoima	Kabwooya	Igwajura	Kisaru	Tuina Omujuni	5
Hoima	Kyagwali	Butoole	Nsoozi	Magezi	350
Hoima	Kyagwali	Butoole	Nsoozi	Apuli	350
Hoima	Kyagwali	Butoole	Butoole Est	Byamasa	10
Hoima	Kyagwali	Butoole	Nsoozi	Tibeita	30
Hoima	Kabwooya	Kibugu	Myanabi/Kisaru	Kalisa	20
Hoima	Kabwooya	Kaseta	Hohwa	Irumba Keneth	30
Hoima	Kyagwali	Butoole	Nsoozi	Kadodo John	30
Hoima	Kyagwali	Butoole	Nsoozi	Tofa Kadodo	20
Hoima	Kyagwali	Butoole	Nsoozi	Irumba Jackson	17
Hoima	Kabwooya	Igwajura	Kitoke	Irumba Balzar	10
Hoima	Kyagwali	Butoole	Kasugwa	Bagoonza B	10
Hoima	Kyagwali	Butoole	Kasugwa	Kosiya	8
Hoima	Kyagwali	Butoole	Mburara	Byarugaba Wilson	10
Hoima	Kyagwali	Butoole	Mburara	Wairidi	7
Hoima	Kyagwali	Butoole	Mburara	Egeka	450
Hoima	Kyagwali	Igwajura	Kibali	Tomanya	15
Hoima	Kyagwali	Butoole	Kasungwa	Pasikale	6

Hoima	Kyagwali	Butoole	Mburara	Charles	2
Hoima	Kyagwali	Butoole	Kasungwa	Shaban	17
Hoima	Kyagwali	Butoole	Nyabunende	Gubase	9
Hoima	Kyagwali	Butoole	Nyakafujo	Abel	15
Hoima	Kyagwali	Igwajura	Nyakafujo	Gamuhunda	20
Hoima	Kyagwali	Butoole	Kasugwa	Adoniya	10
Hoima	Kyagwali	Butoole		Byenkya	7
Hoima	Kyagwali	Butoole	Mburara	Musinguzi J.	30
Hoima	Kyagwali	Butoole	Mburara	Mugasa A.	40
Hoima	Kyagwali	Butoole	Mburara	Karamagi A.	20
Hoima	Kyagwali	Igwajura	Mburara	Kazomba G.	30
Hoima	Kyagwali	Butoole	Nsozi	Dan	300
Hoima	Kyagwali	Butoole	Wairagaza	Nyombi	200
Hoima	Kyagwali	Butoole	Nsozi	Tadeo	150
Hoima	Kyagwali	Butoole	Nsozi	Tofa	200
Hoima	Kyagwali	Kaseeta	Nyanseke	Rukobwa	200
Hoima	Kyagwali	Butoole	Kyamugasa	Kyalimpa A.	200
Hoima	Kyagwali	Butoole	Kyamugasa	Magezi	180
Hoima	Kyagwali	Butoole	Wairagaza	Kaboyo	300
Hoima	Kabwooya	Kimbugu	Kimbugu	Nyamyaka G.	50
Hoima	Kyagwali	Butoole	Kyabarongo	Muru Mukasa	150
Hoima	Kabwooya	Kimbugu	Kimbugu	Tibeita	100
Hoima	Kabwooya	Kimbugu	No. 8 Nyangabi	Byaruhanga	10

Hoima	Kabwooya	Kimbugu	Kimbugu	Bindikaona Peter	100
Hoima	Kyagwali	Butoole	Nsozi	Kasangaki AV	150
Hoima	Kyagwali	Butoole	Nsozi	Abigaba KR	100
Hoima	Kyagwali	Butoole	Nsozi	Vana S.	200
Hoima	Kyagwali	Butoole	Karongo	Buletwenda	100
Hoima	Kabwooya	Igwanjura	Kimwali	Nyakoojo L.	130
Hoima	Kabwooya	Kimbugu	Nyakafundo	Byamugisa	50
Hoima	Kabwooya	Kimbugu	No. 8	Baseka R.	30
					1,170

Prunus africana rapid inventory Kibaale District Partial Results

Name	Designation	Phone Contact
Mr. Mugenzi Sam	DFS	0772-967671
Mr. Kyomuhondire Wilson Atwooki	DFO	0772-653316

District	Sub-county	Parish	Village	Name	Approx. No of trees above 30cm DBH
Kibaale	Muhorro	Nyamacumu	Kisoga	Mugisa Fred	1
Kibaale	Bwikara	Nyamasa	Nyakabale	Musinguzi	2
Kibaale	Bwikara	Nyamasa	Nyakabale	Balironda Sulaiti	1
Kibaale	Bwikara	Nyamasa	Nyakabale	Omuhereza Sunday	1

Kibaale	Bwikara	Nyamasa	Nyakabale	Martin	3
					8

***Prunus africana* rapid inventory Kyenjojo District Partial Results**

Name	Designation	Phone Contact
Mr. Kabasheke Clovis	Progressive farmer	0772-540509
Mr. Onzima L.P	DFO	0772-497620

District	Sub-county	Parish	Village	Name	Approx. No of trees above 30cm DBH
Kyenjojo	Bugari	Kyabaranga	Karongo	Karyegira	60
Kyenjojo	Bugaki	Nyamabuga	Mirambi	Her Exelency Joan	200
Kenjojo	Bugaki	Kyabaranga	Masiga	Sezzi Wako	200
Kenjojo	Bugaki	Nyamabuga	Mirambi	Hi. Kasoro Atwoki Silver	500
Kenjojo	Bugaki	Nyamabuga	Mirambi	Lt. Col. Kamara	500
Kenjojo	Bugaki	Kyabaranga	Karongo	Edward Rwagwer	800
Kenjojo	Bugaki	Kyabaranga	Karongo	Karege	500
Kenjojo	Bugaki	Kyabaranga	Karongo	Kakyomia Erisa	5,000
Kenjojo	Bugaki	Kyabaranga	Nyambarembo	Kajonea Simpson	1,400
Kenjojo	Bugaki	Kyabaranga	Nsasa	Karambusi Ignitious	6
Kenjojo	Bugaki	Kyabaranga	Nsasa	Kiiza John	2,000
Kenjojo	Bugaki	Kyabaranga	Nsasa	Ahumuza Hellen	900
Kenjojo	Bugaki	Kyabaranga	Nsasa	Kissa	200

Kenjojo	Bugaki	Kyabaranga	Bujasa	Sabiti Revoran	50
					12,316

***Prunus africana* rapid inventory Kabarole District Partial Results**

Name	Designation	Phone Contact
Mr. Kabasheke Clovis	Progressive farmer	0772-540509
Mr. Abel	DFO	0772-524059

District	Sub-county	Parish	Village	Name	Approx. No of trees above 30cm DBH
Kabarole	West Division	Njara	Njara	Tooro Botanical Gardens	0
Kabarole	Rutete	Kiko	Bwenderwa	Kabaseke Cloveis	20
Kabarole	Rutete	Kiko	Bwenderwa	Kabaseke Clovis	0
Kabarole	Rutete	Kiko	Kyobutele	Mr. Kasoro Emma	70
Kabarole	Rutete	Kiko	Rutoma	Nkuruba-Banyatereza Sisters	3,000
Kabarole	Rutete	Kiko	Kasiisi	Kyaligera	6
Kabarole	Rutete	Kiko	Kigarama	Sande Julius	0
Kabarole	Rutete	Kiko	Kasiisi	Kugonza Emma	0
Kabarole	Rutete	Kiko	Kasiisi	Saturday Patrick	6
Kabarole	Rutete	Kiko	Kasiisi	Saturday Patrick	0
Kabarole	Rutete	Kiko	Kyakasoro	TAMTECO	200

Kabarole	Hakiale	Kijura	Nyakasoro	TAMTECO	60
Kabarole	Hakiale	Kijura	Nssoro	TAMTECO	400
Kabarole	Hakiale		Gogonya	TAMTECO	2,000
Kabarole	Hakiale	Kijura	Kaamba	TAMTECO	0
Kabarole	Hakiale	Kijura		TAMTECO	1,000
					6,762

***Prunus africana* rapid inventory Bundibugyo District Partial Results**

Name	Designation	Phone Contact
Mr. Kabasheke Clovis	Progressive farmer	0772-540509
Mr. Kajumba Elias	Progressive farmer	0772-669941
Mr. Odeke	DFO	

District	Sub-county	Parish	Village	Name	Approx. No of trees above 30cm DBH
Bundibugyo	Busaro	Bumate	Karonjesa	Maate Kijumba Elisha	150
Bundibugyo	Busaro	Bumate	Amutiti	Kajumba Elisa	50
Bundibugyo	Busaro	Bumate	Amutiti	Kajumba Elisa	100
Bundibugyo	Busaro	Bumate	Amutiti	Kajumba Elisa	2,000
					2,300

Tentative conclusions and Recommendations

The team observed that the available harvestable *Prunus africana* populations are in plenty. The farmers are only eagerly waiting to transact business with the buyer (Cudwell Industries). However, the buyer will have to come up with very strict regulations to minimize theft among farmers (*Prunus africana* bark suppliers) and from national forest reserves.

The team recommends that Cudwell Industries undertakes a detailed mapping and coding exercise of all mature *Prunus africana* trees on each and every registered farmer's land. It should further register every farmer before transacting any business. This will minimize or eliminate theft and streamline the business protocol.

