

## **Appendix 2**

**Matrices for some other languages from the larger database**

Kom, Centre (Ring) Grassfields

	Perfective	Imperfective <b>na</b>	Progressive <b>REDUPLICATION</b>	Inceptive <b>sú</b>	Repetitive <b>fi</b>	Anterior <b>men</b>
P <sub>4</sub> <b>nünlä</b>	wu <b>nünlä</b> yem <i>he sang</i>	wu <b>nünlä na</b> yem <i>he used to sing</i>				
P <sub>3</sub> <b>tí</b>	wu <b>tí</b> yem <i>he sang</i>	we <b>tí na</b> yem <i>he was singing</i>	wu tí na <b>yěmyěm</b> <i>he was singing</i>	wu <b>tí</b> na <b>sú</b> yem <i>he was starting to sing</i>	wu <b>tí fi</b> dzi <i>he cried again</i>	wu <b>tí men</b> gwí <i>he came (completely)</i>
P <sub>2</sub> <b>lä</b>	we <b>lä</b> yem <i>he sang</i>					
P <sub>1</sub> <b>ni-</b>	wu <b>ni-</b> yem <i>he sang</i>					
	wu nün yem-á <i>he is singing, he sings, he will sing</i>		wu nün <b>yěmyěm</b> <i>he is singing (now)</i>	wu <b>sú</b> gwí-a <i>he is starting to come</i>		wu gwí <b>men</b> <i>he has come</i>
F <sub>1</sub> <b>nî</b>	wu <b>nî</b> yem-á <i>he will sing</i>		wu <b>nî</b> na <b>yěmyěm</b> <i>he will be singing</i>			
F <sub>2</sub> <b>lä</b>	we <b>lä</b> yem-á		wu <b>lä</b> na <b>yěmyěm</b> <i>he will be singing</i>			wu <b>lä</b> gwí <b>men</b> <i>he will have come</i>
F <sub>3</sub> <b>nünlä</b>	we <b>nünlä</b> yem-á	we <b>nünlä na</b> yem <i>he will be singing</i>				

Aghem, Western (Ring) Grassfields

	Perfective	Imperfective -a	Habitual -a tsighà
P <sub>2</sub> `mó	ò <b>mò</b> bó fighâm <i>she hit (the) mat</i> N: ò káa bó ghâmfð <i>she did not hit ...</i>	ò <b>mò</b> bó-o fighâm <i>he was hitting ...</i> N: ghé <b>mò</b> bó-o 'yó ghâmfð <i>they were not ...</i>	ghé <b>mò</b> sú-'ú <b>tsighà</b> fighâm <i>he used to wash ...</i> N: ò <b>mò</b> sú-'ú <b>tsighà</b> 'yó ghâmfð
P <sub>1</sub> mò	ò <b>mò</b> bò fighâm <i>she hit (the) mat</i> N <sub>1</sub> : ò kàa bó ghâmfð <i>she did not hit ...</i> N <sub>2</sub> : ò kà bó ghâmfð <i>she did not hit ...</i>	ò <b>mò</b> bò-ó fighâm <i>he was hitting ...</i> N: ghé <b>mò</b> bò-ó 'yó ghâmfð <i>they were not ...</i>	
	ò bò fighâm <i>she has hit (the) mat</i> N <sub>1</sub> : ò kán bó ghâmfð <i>she has not hit yet</i> N <sub>2</sub> : ò kà bó ghâmfð <i>she did not hit ...</i>	ò bò-ó fighâm <i>he was hitting ...</i> N: ò bò-ó 'yó ghâmfð <i>he is not ...</i>	ò bò-ó <b>tsighà</b> fighâm <i>he hits (the) mat</i> N: ò bó-o <b>tsighà</b> yò ghâmfð
F <sub>1</sub> sà		ò <b>sà</b> bò-ó fighâm <i>she will hit (the) mat</i> N: ghé <b>sà</b> sù-u yò ghâmfð <i>he will not hit</i>	
F <sub>2</sub> ló`		ò <b>ló</b> 'bo-o fighâm <i>she will hit (the) mat</i> N: ò <b>ló</b> 'bó-o 'yó ghâmfð	ò <b>ló</b> sù-u <b>tsighà</b> fighâm <i>he will wash ... regularly</i>

A11 (Bà-)londo

	Perfective	Imperfective <b>-ak-</b>	Anterior <b>-má-</b>
P <sub>2</sub> <b>-mo-</b>	a- <b>mo</b> -sak-á <i>he sought</i> N: a-sí- <b>mo</b> -sak-a	a- <b>mo</b> -sak- <b>ák</b> -á <i>he sought, was seeking</i> N: a-sí- <b>mo</b> -sak- <b>ak</b> -a	
P <sub>1</sub> <b>-mo- ... -i</b>	a- <b>mo</b> -sak-í N: a-sí- <b>mo</b> -sak- <b>i</b>	(a- <b>mó</b> -sak- <b>ak</b> -a) N: <i>as above</i>	
Non-Past <b>-Ø-</b>	a- <b>Ø</b> -sak-í <i>he sought, he seeks</i> N: a-sá-sák- <b>i</b>	a- <b>Ø</b> -sak- <b>ak</b> -a <i>he seeks, he is seeking, he was seeking (today), he will seek</i> N: a-sá-sak- <b>ak</b> -a	a- <b>má</b> -sak-á <i>has he ever sought? he has (already) sought</i> N: a-sí-sak- <b>í</b> <i>he has not sought (yet)</i>



A46 Nomaande

	Perfective	Pluractional -vk-	Progressive	Habitual
P <sub>4</sub> -ŋa-	?	tɔ-ŋa-só sómb-ák-a <i>we cut, were cutting</i>	(1) tɔ-ŋa-so bá ɔ-ɔ-!nyí-a <i>we were eating</i> (2) bá-ŋa-bó bá bá-ŋa-bó nyí-á <i>they were eating</i>	bá-ŋa-bó bá bá-bó nyí-ak-a <i>they used to eat</i>
P <sub>3</sub> -ŋa-	ú-ŋa bét-á <i>he thought (yesterday)</i>	nɔ-ŋa-no námb-ak-a <i>you hid, were hiding</i>	(2) nɔ-ŋa-no bá nɔ-ŋa-no ɔɔb-a <i>you were going</i>	nɔ-ŋa-no bá nɔ-anɔ ɔɔ-ɔɔb-ak-a
P <sub>2</sub> -ŋa-	tu-ŋé-su ket-i <i>we believed (this morning)</i>  N: tɔ-te-ómó-só hí-t-e <i>we did not take</i>	e-ŋá-me tán-ák-a <i>I talked, was talking</i>	(1) e-ŋá-am bá ɔ-ɔ-lát-a <i>I was sewing</i> (2) u-ŋá-a bá u-ŋá-a fan-a <i>they were reading</i>	u-ŋá-a bá w-aá fan-ak-a <i>he used to read</i>
P <sub>1</sub> -ma-	é-ma-é heŋ-a <i>I (just) replaced</i>	tɔ-ma-so lón-ɔk-ɔ <i>we just called, were just calling</i>	(1) ú-má-á bá ɔ-ɔ-fán-a <i>he was just reading</i> (2) tɔ-ma-so bá tɔ-asó fan-ak-a <i>we were just reading</i>	
-ŋa-	u-ŋa-á sɔmb-a <i>he cuts</i> tu-ŋe-sú két-i <i>we believe</i>  N: tu-ti-ŋé-su ket-i		bá-bó-ŋa ɔ-ɔ-fán-a <i>they are reading</i>	u-na-ŋa w-aá nyí-ák-a <i>he eats (regularly)</i>
F <sub>1</sub> -ŋa-		nɔ-ŋa-nó cákɔn-ak-a <i>you will play, be playing (this evening)</i>  N: u-ti-ŋé-e ket-ik-i <i>we will not measure</i>	(1) tɔ-ŋa-só bá ɔ-ɔ-!nyí-á <i>we will be eating</i> (2) bá-ŋa-bó bá bá-bó lat-ak-a <i>they will be sewing</i>	tu-ŋe-bul-asó lón-ɔ <i>we will call (them) (regularly)</i>
F <sub>2</sub> -ka-	ɔ-kó-ɔ lat-a <i>you will sew</i>  N: i-ti-ké-mi búm-e <i>I will not hunt (tomorrow)</i>	u-ká-a námb-ák-a <i>she will prepare (it)</i>	(1) tɔ-ká-so bá ɔ-ɔ-fán-a <i>we will be reading</i> (2) tɔ-ká-so bá tɔ-asó námb-ák-a <i>we will be preparing</i>	tu-ké-bul-esú kín-e <i>we will refuse (them) (regularly)</i>
F <sub>3</sub> -ka-		u-ka-á kóɔ-ak-a <i>she will pick (them)</i>		

## A74 Bulu

	Perfective	Imperfective (?)	Progressive (?)	Anterior
P <sub>2</sub> -ngá-	mé-ngá-yénə nyě <i>I saw him</i>	bǐ-ngá-bó bǐ-já-ʔ-a <i>we were eating, used to eat</i>		bǐ-nga-man-ε dí <i>we had eaten</i>
P <sub>1</sub> -áté-	m-áté-tili <i>I wrote, have written</i>			
	o-Ø-bò esae jé <i>you do that job?</i>  N: mε-tè-bó <i>I do not work</i>	bé-ne bé-yi-ʔ-i biá <i>they are singing</i>	w-à-bò jé mú <i>what are you doing there?</i>  N: m-ǎ-ke <i>I am not going</i>	bǐ-man-eya dí <i>we have eaten</i>  e-byál-eya <i>he is/was born</i>
F <sub>1</sub> -N-	bi-ḥ-ke <i>we are about to go</i>  (?) N: bi-ǎ-ye-ke <i>we will not go</i>			
F <sub>2</sub> -é-	m-é-ke ámbam <i>I will go to Ambam</i>			

B11c Myene (Galwa)

	Perfective	Imperfective -ay-	Imperfective 'be' + VERB
P <sub>3</sub> -a- ... -í	a-Ø-yol-í <i>she bought</i>  a-Ø-yen-í <i>she saw</i>  R: w-á-yen-i <i>who saw</i>	a-Ø-yol-íy-í <i>he used to buy, was buying</i>	
P <sub>2</sub> -a-	a-Ø-kól-â <i>he bought</i>  w-a-kól-â <i>you bought</i>  N: eré-kó'l-é <i>he did not buy</i>	w-a-jén-áy-a <i>you used to see</i>	w-a- <b>díwó</b> w-e-bén-a <i>you were cultivating</i>
P <sub>1</sub> -a- ... -i	w-a-kól-î <i>you (have) bought</i>	w-a-pósw-íy-i <i>you were falling</i>	
-e-	w-e-kól-a <i>you buy</i>  N: w-eré-kol-e	w-e-kól-ay-a <i>you are always buying</i>	
Future -ebe-	w- <b>ebé</b> <sup>1</sup> -jén-á <i>you will see</i>  N: my <b>ézele</b> -kól-é <i>I will not buy</i>	w- <b>ebé</b> <sup>1</sup> -jén-áy-á	



B51 Duma

	Perfective	Imperfective -anga	Progressive 'be' + LOC	Anterior be- + PASTS
Indef. Past -i	a-Ø-búm-í mǔtu <i>he killed a person</i>  N: ndé kabúm-i ve <i>he did not kill</i>	me-Ø-sid-ing-i <i>I used to do</i>		me <b>be-ngine</b> me-bɔn-i <i>I had seen</i>
P <sub>2</sub> -a-	besu l-a-sa <i>you did</i>			besu l-a <b>be</b> l-a-mɔn-ɔ <i>we had seen (long ago)</i>
P <sub>1</sub> -má-	ba-má-tom-á nde <i>they (just) sent him</i>			me- <b>be-ngine</b> mə-ma-mɔn-ɔ <i>I had seen (recently)</i>
	bésu lí-Ø-bom-a ... <i>we kill, are killing</i>  N: besú ka-lí-bom-a	me-Ø-sad-anga <i>I do (always, continually, etc.)</i>	a-Ø-ŋî mû-kén-a <i>he is dancing</i>	
F -sáa-	a-sǎ-yèmb-a <i>he will sing</i>  N: me ki-sǎ-ken-á ve <i>I will not dance</i>			

B87 Mbuun

	Perfective	Progressive -yé-	Habitual -wú-	Iterative -bé-	Inceptive (?) Anterior (?) -béná-
P <sub>2</sub> -u-	é-wú-dí-á (ákòn) <i>we ate (bananas)</i> N: ká-é-wú-dí-á				
P <sub>1</sub> -me-	á-mé-dí-á <i>they ate</i> N: ká-bá-mé-dí-á			é-mé-bé-túm <i>I just sent</i>	
	bá-Ø-dí-á <i>they eat, are eating</i> N: ká-bá-Ø-dí-à	á-yé-dí-á <i>they are eating</i>	bá-wú-tóm-á <i>they cry (regularly)</i>	bá-bé-tóm-á <i>they are crying again</i> N: ká-bá-bé-tóm-á	á-béná-dí-á <i>he had (has?) already eaten</i>
Future -ker-	á-kér-dí-á <i>they will eat</i> N: ká-bá-kér-dí-á		á-kér-wú-tóm-á <i>he'll have to cry again</i>	á-kér-bé-dí-á <i>you will eat again</i>	

C101 Babole

	Perfective (-ak-)	Imperfective -o- ... -ak-	Anterior
P <sub>2</sub> -á-	tw-á <sup>1</sup> -sál-ak-á <i>we did</i>	tw-á <sup>1</sup> -éké-o <sup>1</sup> -sál-ak-a <i>we were doing</i> N: to-ká <sup>1</sup> -éké-o <sup>1</sup> -sál-ak-a	tw-á <sup>1</sup> -sál-á <i>we have/had done</i> N: to-ká <sup>1</sup> -sál-ak-á
P <sub>1</sub> -í	to-Ø-sál-ak-í <i>we did</i> N: to-ká-Ø-sál-í		to-Ø-sál-í <i>we have done</i> N: to-ká-Ø-sál-í
		to-ó <sup>1</sup> -sál-ak-a <i>we are doing</i> N: to-εtí-ó <sup>1</sup> -sál-ak-a	
Future -pá- / -tá-	to-pá <sup>1</sup> -sál-a (or to-tá <sup>1</sup> -sál-a) <i>we will work</i> N: to-εtí të to-pá <sup>1</sup> -sál-á		

C53 Li-gesógo

	Perfective (?)	(?)	Progressive (?)	Persistentive -é-
P <sub>2</sub>	tw-á-tóng-ándé ligwa <i>we used to (do) work</i> tw-á-fang-ándé ligwa <i>we began work</i>  N: to-tí-tóng-e:			
P <sub>1</sub>	tw-e-tóng-éndé ligwa <i>we did work</i> tw-e-fang-éndé ligwa <i>we began work</i>  N: to-tí-tóng-e:			
		tw-á-tóng-á ligwa <i>we are doing work</i> tw-á-fang-á ligwa <i>we have begun work</i>  N <sub>1</sub> : tó-fa-tóng-é  N <sub>2</sub> : to-tí-mo-tóng-á	tw-émo-tóng-á ligwa <i>we are doing work, we will work, we work</i>  N <sub>1</sub> : to-ti-tong-e ligwa (PROGRESSIVE)  N <sub>2</sub> : to-tí-mo-tóng-a (HABITUAL)	tw-é-tóng-a ligwa <i>we still work</i>  N: tw-e-tóng-ité <i>we have not worked yet</i>
Future	tw-e-tóng-ándé <i>we will (do) work</i>  N: tó-fa-tóng-é			

## C76 Ómbó

	Perfective	Imperfective	Habitual <b>-aka</b>	Anterior (?)
P <sub>4</sub> (?) <b>-áka- ... -i</b>	t- <b>áka</b> -kóngol- <b>i</b> <i>we picked up</i>			
P <sub>3</sub>	t- <b>ámbo</b> -kóngól-á ... (M)	t- <b>átá</b> -kóngól-á ... (M) <i>we were picking up</i>		
P <sub>2</sub> <b>-á- ... -i</b>	t- <b>á</b> -kóngól- <b>i</b> N: to- <b>tá</b> -kóngól- <b>i</b>	t- <b>á</b> -kóngól- <b>ak-i</b>		
P <sub>1</sub> <b>-Ø- ... -í</b>	to- <b>Ø</b> -kóngól- <b>í</b> <i>we picked up</i> N: fa-t- <b>á</b> -kóngól- <b>i</b>	to- <b>Ø</b> -kóngól- <b>ak-i</b> <i>we were picking up</i>		
	to- <b>mbó</b> -kóngól-á ... (M) <i>we pick up (?)</i>	t- <b>átá-ndá</b> -kóngól-á <i>we are picking up (?)</i> <i>we will pick up</i> N: fa-t- <b>átá</b> -kóngól-á	to- <b>Ø</b> -kóngól- <b>aka</b> <i>we pick up (regularly)</i>	
Future <b>-ákondó- ... -á</b>	t- <b>ákondó</b> -kóngól-á ... (M) <i>we will pick up</i> N: fa-t- <b>á</b> -kóngól-á			

D27 Ki-bángubángu

	Perfective	Imperfective	Anterior
P <sub>2</sub> -bu-	tu- <b>bu</b> -vúndagany-a <i>we smashed</i> N: nda-tu- <b>bú</b> -vúndagány-á	tu- <b>bw</b> -a mú-u-nim-a <i>or</i> tu- <b>bw</b> -a kú-u-nim-a <i>we were hoeing</i>	
P <sub>1</sub> -fu-	tu- <b>fu</b> -sóbol-a <i>we chose</i>	tu- <b>fw</b> -a mú-u-nim-a <i>we were hoeing</i>	
	tu- <b>lu</b> -sáhul-a <i>we speak, are speaking</i>	tu- <b>li</b> mu-u-nim-a <i>we are hoeing</i>	t- <b>o</b> -lôndol-a <i>we have spoken</i>
Future -a- ... -ángá	tw- <b>a</b> -vund-agany- <b>ángá</b> <i>we will break</i>		

D311 Forest Bira

<p>P<sub>3</sub> -Ø- ... -í + do</p>	<p>bi-Ø-támb-íí do <i>we walked (long ago)</i></p> <p>N: kí-bí-támb-íí</p>
<p>P<sub>2</sub> -Ø- ... -í + do</p>	<p>bi-Ø-támb-í do <i>we walked (recently)</i></p> <p>N: kí-bí-támb-í <i>we did not walk</i></p>
<p>P<sub>1</sub> -Ø- ... -í</p>	<p>bi-Ø-támb-í <i>we (have) walked</i></p> <p>N: kí-bí-támb-í <i>we have not walked</i></p>
<p>-ka + INFIN</p>	<p>bé-ká 'támb-á <i>we are walking</i></p> <p>N: bé-ńnda-ká 'támb-á</p>
<p>Future -Ø- ... -a + nó</p>	<p>bi-Ø-támb-a nó <i>we will walk</i></p> <p>N: kí-bí-támb-a nó</p>

## D43 Ki-nyanga

	Perfective	Imperfective -áŋge	Habitual -áŋga	Anterior <sub>1</sub> -a- ... -á	Anterior <sub>2</sub> -are-
P <sub>4</sub> -a- ... -áŋgá	tw-a-tím-áŋgá <i>we dug</i> N: n-tí-tw-a-tím-áŋgá				
P <sub>3</sub> -a- ... -áyò	tw-a-tím-áyò <i>we dug</i> N: n-tí-tw-a-tím-áyo				
P <sub>2</sub> -áku- ... -á	tw-áku-tím-á <i>we dug</i> N: n-tí-tw-áku-tím-á	w-áku-bése w-eb-áŋge <i>he was digging</i>			
P <sub>1</sub> -ama- ... -à	tw-ama-tím-a <i>we dug</i> N: n-tí-tw-ama-tím-a				
		tu-tím-áŋge <i>we are digging</i> N: n-tí-tu-tím-áŋge	tu-tím-áŋga <i>we dig (regularly)</i> N: tu-tá-tím-áŋga	tw-a-tím-á <i>we have dug (recently)</i> N: n-tí-tw-a-tím-á	tw-aré-tím-a <i>we have dug (long ago)</i> N: n-tí-tw-aré-tím-a
F <sub>1</sub> -ǎ:- ... -á	tw-ǎ:-tím-á <i>we will dig</i> N: tu-tâ-tím-í				
F <sub>2</sub> -a- ... -áyò	tw-ǎ-tím-áyo <i>we will dig</i> N: tu-tâ-tím-íyo				
F <sub>3</sub> -a- ... -ayo	tw-ǎ-tím-ayo <i>we will dig</i> N: tu-tâ-tím-íyo				
F <sub>4</sub> -à- ... -ì	tw-a-tím-ì <i>we will dig</i>				



D61 Ki-nya-rwanda

	Perfective	Habitual -Ø-	Progressive 'be' + -ho + -Ø-	Persistive -ki(a-)	Anterior -a- ... -ie
P <sub>2</sub> -á-	tu-á-guz-e + COMP tu-á-ra-gúz-e <i>we bought</i> N <sub>1</sub> : ntabwo tu-á-guz-e N <sub>2</sub> : nti-tu-á-guz-e	tu-á-jya tú-gur-a + COMP tu-á-ra-gúr-a tu-á-hora tu-gur-a <i>we used to buy</i> N <sub>1</sub> : ntabwo tu-á-jya tú-gur-a N <sub>2</sub> : nti-tu-á-jya tú-gur-a	tu-á-ri-ho tú-Ø-gur-a + COMP tu-á-ri-ho tú-ra-gur-a <i>we were buying</i> N <sub>1</sub> : ntabwo tu-á-ri-ho tú-gur-a N <sub>2</sub> : nti-tu-á-ri-ho tú-gur-a	tu-á-ri tú-ki-gur-a <i>we were still buying</i> N: ntabwo tu-á-ri tú-ki-gur-a	tu-á-ri tú-aa-guz-e + COMP tu-á-ri tu-á-ra-gúz-e <i>we had bought long ago</i> N <sub>1</sub> : ntabwo (tu-á-ri) tu-á-ra-gúz-e N <sub>2</sub> : nti-tu-á-ri tu-á-(ra-)gúz-e
P <sub>1</sub> -aa-	tu-aa-guz-e + COMP tu-aa-guz-e <i>we bought</i> N <sub>1</sub> : ntabwo tu-aa-gúz-e N <sub>2</sub> : nti-tu-aa-guz-e	tu-aa-jya tú-gur-a + COMP tu-aa-hoze tú-gur-a <i>we were buying</i> N <sub>1</sub> : ntabwo tu-aa-jya tú-gur-a N <sub>2</sub> : nti-tu-aa-jya tú-gur-a	tu-aa-ri-ho tú-Ø-gur-a + COMP tu-aa-ri-ho tú-ra-gur-a <i>we were buying</i> N <sub>1</sub> : ntabwo tu-aa-ri-ho tú-gur-a N <sub>2</sub> : nti-tu-aa-ri-ho tú-gur-a	tu-aa-ri tú-ki-gur-a <i>we were still buying</i> N: ntabwo tu-aa-ri tú-ki-gur-a	tu-aa-ri tú-aa-guz-e tu-aa-ri tú-aa-ra-guz-e <i>we had bought</i> N <sub>1</sub> : ntabwo tu-aa-ri tú-aa-guz-e N <sub>2</sub> : nti-tu-aa-ri tú-aa-guz-e
-Ø-		(tu-jya) tú-gur-a + COMP tu-ra-gur-a <i>we buy regularly</i> tu-gur-a + COMP tu-ra-gur-a <i>we buy (nowadays)</i>	(tu-ri-hó) tu-Ø-gur-a + COMP (tu-ri-hó) tu-ra-gur-a tu-ri ku-gur-a <i>(also found in some dialect)</i> <i>we are buying</i> N <sub>1</sub> : ntabwo tu-rí-ho tu-gur-a N <sub>2</sub> : nti-tu-rí-ho tú-(ra-)gur-a N <sub>3</sub> : ntabwo tu-rí-ku-gur-a N <sub>4</sub> : nti-tu-ri-ku-gur-a	tu-ki-gur-a tu-ra-kí-a-gur-a <i>we are still buying</i> N <sub>1</sub> : nti-tu-ki-gur-a N <sub>2</sub> : ntabwo tu-ki-gúr-a N <sub>3</sub> : ntabwo tu-ráa-gur-a	tu-guz-e + COMP tu-ra-guz-e tú-aa-guz-e tu-aa-ra-guz-e <i>we have bought</i> N <sub>1</sub> : ntabwo tu-gúz-e N <sub>2</sub> : nti-tu-gúz-e
F <sub>1</sub> -ra-	tu-ra-gur-a <i>we will buy</i> N: ntabwo tu-ra-gur-a	N <sub>1</sub> : ntabwo (tu-jya) tu-gur-a N <sub>2</sub> : ntabwo tu-gur-á N <sub>3</sub> : nti-tu-gur-á	tu-ra-ba tú-rí-ho tu-ra-gur-a <i>we will be buying</i> N: ntabwo tu-ra-ba tú-rí-ho tu-ra-gura	tu-ra-ba tú-ki-gur-a <i>we will be still buying</i> N: tu-ra-ba tú-ta-ki-gur-a	tu-ra-ba tu-aa-guz-e tu-ra-ba tú-guz-e <i>we will have bought</i> N: ntabwo tu-ra-ba tu-aa-guz-e
F <sub>2</sub> -zaa-	tu-zaa-gur-a <i>we will buy</i> N <sub>1</sub> : ntabwo tu-zaa-gur-a N <sub>2</sub> : nti-tu-záa-gur-a	tu-zaa-jya tú-gur-a tu-zaa-hora tú-gur-a <i>we will buy</i> N <sub>1</sub> : ntabwo tu-záa-jya tú-gur-a N <sub>2</sub> : nti-tu-záa-jya tú-gur-a	tu-zaa-ba tú-Ø-gur-a tu-zaa-ba tu-ri-ho tu-(ra-)gur-a <i>we will be buying</i> N <sub>1</sub> : ntabwo tu-zaa-ba tu-gur-a N <sub>2</sub> : nti-tu-zaa-ba tu-ri-ho tu-gur-a	tu-zaa-ba tú-ki-gur-a <i>we will be still buying</i> N <sub>1</sub> : ntabwo tu-záa-ba tú-ki-gur-a N <sub>2</sub> : nti-tu-záa-ba tú-ki-gur-a	tu-zaa-ba tú-aa-guz-e tu-zaa-ba tú-aa-ra-guz-e <i>we will have bought</i> N <sub>1</sub> : ntabwo tu-zaa-ba tú-a-guz-e N <sub>2</sub> : nti-tu-zaa-ba tú-aa-guz-e

D65 Ki-hangaza

	Perfective	Habitual <b>-ra-</b>	Progressive <b>'be' + LOC ... -ra-</b>	Persistent <b>-ki-</b>	Anterior <b>-a- ... -ie</b>
P <sub>2</sub> <b>-á-</b>	tu- <b>á-guz-e</b> (+ COMP) tu- <b>á-ra-guz-e</b> <i>we bought</i> N: nti-tu- <b>á-guz-e</b>	tu- <b>á-gur-a</b> tu- <b>á-ra-gur-a</b> <i>we used to buy</i> N: nti-tu- <b>a-gur-a</b>	tu- <b>á-ri-mwó</b> tu- <b>ra-gur-a</b> <i>we were buying</i> N: nti-tu- <b>á-ri-mwó</b> tu- <b>ra-gur-a</b>	tu- <b>á-ri</b> tú- <b>ki-gur-a</b> <i>we were still buying</i> N: nti-tu- <b>á-ri</b> tú- <b>ki-gur-a</b>	tu- <b>á-ri</b> tu- <b>á-guz-e</b> <i>we had bought</i> N: nti-tu- <b>á-ri</b> tu- <b>a-gúz-e</b>
P <sub>1</sub> <b>-a-</b>	tu- <b>a-guz-e</b> (+ COMP) tu- <b>á-rá-guz-e</b> <i>we bought</i> N: nti-tu- <b>á-guz-e</b>	tu- <b>ra-gur-a</b> <i>we buy</i> N: nti-tu- <b>ráà-gur-a</b>	tu- <b>a-ri-mwo</b> tu- <b>ra-gur-a</b> <i>we were buying</i> N: nti-tu- <b>a-ri-mwo</b> tu- <b>ra-gur-a</b>	tu- <b>a-ri</b> tú- <b>ki-gur-a</b> <i>we were still buying</i> N: nti-tu- <b>a-ri</b> tú- <b>ki-gur-a</b>	tu- <b>a-ri</b> tu- <b>á-guz-e</b> <i>we had bought</i> N: nti-tu- <b>a-ri</b> tu- <b>á-guz-e</b>
<b>-Ø-</b>			tu- <b>ri-mwó</b> tu- <b>ra-gur-a</b> <i>we are buying</i> N: nti-tú- <b>ri-mwó</b> tu- <b>ra-gur-a</b>	tu- <b>ra-cáá-gur-a</b> <i>we are still buying</i> N: nti-tu- <b>ki-gur-a</b>	tu- <b>(r)a-guz-e</b> <i>we have just bought</i> N: nti-tu- <b>a-guz-e</b>
Future <b>-zo-</b>	tu- <b>zo-gur-a</b> <i>we will buy</i> N: nti-tú- <b>zo-gur-a</b>	tu- <b>zo-za</b> tu- <b>ra-gur-a</b> <i>we will be buying regularly</i> N: nti-tú- <b>zó-za</b> tu- <b>ra-gur-a</b>	tu- <b>zo-ba</b> tú- <b>ri-mwó</b> tu- <b>ra-gur-a</b> <i>we will be buying</i> N: nti-tú- <b>zó-ba</b> tu- <b>ri-mwo</b> tú- <b>ra-gur-a</b>	tu- <b>zo-ba</b> tú- <b>ki-gur-a</b> <i>we will be still buying</i> N: nti-tú- <b>zó-ba</b> tú- <b>ki-gur-a</b>	tu- <b>zo-ba</b> tu- <b>â-guz-e</b> <i>we will have bought</i> N: nti-tu- <b>zó-ba</b> tu- <b>â-guz-e</b>

E102 Lu-bwisi

	Perfective	Habitual <b>-agha</b>	Progressive <b>-Ø-</b>	Persistentive <b>-na-</b>	Anterior <b>-ie</b>
Past <b>-ka- / -a-</b>	tu- <b>ka</b> -ghend-a <i>we went</i>  N: ta-tu- <b>ka</b> -ghend-a	tw- <b>a</b> -ghend- <b>agha</b> <i>we used to go</i>  n- <b>a</b> -b- <b>agha</b> <i>I was (being)</i>	tw- <b>a</b> -ba-ye n-tu- <b>Ø</b> -ghend-a <i>we were going</i>	tw- <b>a-na</b> -b- <b>agha</b> n-tu- <b>na</b> -li-a <i>we were still eating</i>	tu- <b>ka</b> -b-a tw- <b>a</b> -ghend- <b>ie</b> <i>or</i> tu- <b>Ø</b> -mal- <b>ie</b> ku-ghend-a <i>we had gone</i>  tw- <b>a</b> -ghend- <b>ie</b> <i>we went, have just gone</i>
	tu-ku-ghend-a <i>we are going, we will go</i> (NF/realis)  n-ku-b-a <i>I am</i>  ti-n-di <i>I am not</i>	tu-ku-ghend- <b>agha</b> <i>we go</i>  N: ta-tu-ku-ki-bon- <b>agha</b> <i>we do not see it</i>	(n-)tu- <b>Ø</b> -ghend-a <i>we go(ing)</i>	( <b>na</b> -)si- <b>na</b> -liisi-a <i>they are still feeding</i>	a- <b>Ø</b> -hek- <b>ie</b> <i>she is carrying</i>  tu- <b>Ø</b> -man- <b>ie</b> <i>we know</i>  N: abaana ti-bategheelel- <b>ie</b> <i>children are not listening</i>
Future <b>-li- / -la-</b>	tu- <b>li</b> -ghend-a <i>we will go</i> (FF/irrealis)	tu- <b>la</b> -ghend- <b>agha</b> <i>we will always go</i>			

## E11 Ru-nyoro

	Perfective	Habitual <b>-Ø- / -aga</b>	Progressive <b>n(i)-</b>	Persistent <b>(ni-) ... -ki(-aa-)</b>	Anterior <b>-ire</b>
<b>P<sub>2</sub></b> <b>-ka- / -a-</b>	tu- <b>ka</b> -gúr-a <i>we bought</i> N: tu-ta-gúr-e	tu- <b>a</b> -gur- <b>ága</b> <i>we used to buy</i> N: ti-tu- <b>a</b> -gur- <b>ága</b>	tu- <b>ka</b> -ba <b>ni</b> -tu-gúr-a <i>we were buying</i> N: tu- <b>ka</b> -ba tu-tá-( <b>ru</b> -)ku-gur-a	tu- <b>ka</b> -ba <b>ni</b> -tu- <b>ki-áá</b> -gúr-a <i>we were still buying</i> N: tu- <b>ka</b> -ba tu-ta- <b>ki</b> -gúr-a	tu- <b>ka</b> -ba tu-gúz- <b>ire</b> <i>we had bought</i> N: tu- <b>ka</b> -ba tu-ta-guz- <b>íre</b>
<b>P<sub>1</sub></b> <b>-ire(-ge)</b>	tu-guz- <b>iré-ge</b> <i>we bought</i> N: ti-tu-guz- <b>iré-ge</b>	tu- <b>Ø</b> -gúr-a <i>we buy</i> N: ti-tu-gúr-a	tu-ba- <b>ire ni</b> -tu-gúr-a <i>we were buying</i> N: tu-ba- <b>ire</b> tu-tá-( <b>ru</b> -)ku-gur-a	tu-ba- <b>ire ni</b> -tu- <b>ki-áá</b> -gúr-a <i>we were still buying</i> N: tu-ba- <b>ire</b> tu-ta- <b>ki</b> -gúr-a	tu-ba- <b>ire</b> tu-gúz- <b>ire</b> <i>we had bought</i> N: tu-ba- <b>ire</b> tu-ta-guz- <b>íre</b>
<b>-Ø-</b>	<b>ni</b> -tu-gúr-a <i>we are buying</i> N: ti-tú-( <b>r</b> )u-ku-gur-a		<b>ni</b> -tu- <b>ki-áá</b> -gúr-a <i>we are still buying</i> N: ti-tu- <b>ki</b> -gúr-a	tu-guz- <b>íre</b> <i>we have bought</i> tu- <b>a</b> -ba tú-guz- <b>ire</b> <i>we had bought</i> N: ti-tu-guz- <b>íre</b>	
<b>F<sub>1</sub></b> <b>-ra-</b>	tu- <b>ra</b> -gúr-a <i>we will buy</i> N: ti-tu-gúr-e		tu- <b>ra</b> -ba <b>ni</b> -tu-gúr-a <i>we will be buying</i> N: tu- <b>ra</b> -ba tu-tá-( <b>ru</b> -)ku-gur-a	tu- <b>ra</b> -ba <b>ni</b> -tu- <b>ki-áá</b> -gúr-a <i>we will still be buying</i> N: tu- <b>ra</b> -ba tu-ta- <b>ki</b> -gúr-a	tu- <b>ra</b> -ba tú-guz- <b>ire</b> <i>we will have bought</i> N: tu- <b>ra</b> -ba tu-ta-guz- <b>íre</b>
<b>F<sub>2</sub></b> <b>-ri-</b>	tu- <b>ri</b> -gúr-a <i>we will buy</i> N: ti-tu- <b>ri</b> -gúr-a	tu- <b>ra</b> -gur- <b>ága</b> <i>we will buy regularly</i> N: ti-tu- <b>u</b> -gur- <b>ége</b>	tu- <b>ri</b> -ba <b>ni</b> -tu-gúr-a <i>we will be buying</i> N: tu- <b>ri</b> -ba tu-tá-( <b>ru</b> -)ku-gur-a	tu- <b>ri</b> -ba <b>ni</b> -tu- <b>ki-áá</b> -gúr-a <i>we will still be buying</i> N: tu- <b>ri</b> -ba tu-ta- <b>ki</b> -gúr-a	tu- <b>ri</b> -ba tu-gúz- <b>ire</b> <i>we will have bought</i> N: tu- <b>ri</b> -ba tu-ta-guz- <b>íre</b>

## E13 Ru-nyankore

	Perfective	Habitual -Ø- (... -aga)	Progressive ni-	Persistentive -ki-(aa-)	Anterior -Ø- ... -ire
P <sub>3</sub> -ka-	tú-ka-gur-a <i>we bought</i> N: ti-tu-rá-guz-ire	tu-ka-bá tú-Ø-gur-a <i>we used to buy</i>	tú-ka-bá ni-tu-gúr-a <i>we were buying</i> N: tu-ka-bá tu-tá-(r)í-ku-gur-a	tú-ka-bá tu-kí-(áá-)gur-a <i>we were still buying</i> N: tú-ka-bá tu-tá-ki-gur-a	tu-ka-bá tú-Ø-guz-ire <i>we had bought</i> N: tu-ka-bá tu-ta-guz-ire
P <sub>2</sub> -Ø- ... -ire	tu-Ø-guz-íre <i>we bought</i> N: ti-tu-guz-íre	tu-Ø-gúr-a <i>we buy</i> N: ti-tu-gúr-a	tu-Ø-ba-ire ni-tu-gúr-a <i>we were buying</i> N: tu-ba-ire tu-tá-(r)í-ku-gur-a	tu-Ø-ba-ire tu-kí-(áá-)gur-a <i>we were still buying</i> N: tu-ba-ire tu-tá-ki-gur-a	tu-Ø-ba-ire tú-Ø-guz-ire <i>we had bought</i> N: tu-ba-ire tu-ta-guz-ire
P <sub>1</sub> -a(a)-	tu-áá-gur-a <i>we bought</i> N: ti-tu-aa-gur-a		tu-aa-ba ni-tu-gúr-a <i>we were buying</i> N: tu-aa-ba tu-tá-(r)í-ku-gur-a	tu-aa-ba tu-kí-(áá-)gur-a <i>we were still buying</i> N: tu-aa-ba tu-tá-ki-gur-a	tu-aa-ba tú-Ø-guz-ire <i>we had bought</i> N: tu-aa-ba tu-ta-guz-ire
-Ø-			ni-tu-gúr-a <i>we are buying</i> N: ti-tú-rí-ku-gur-a	tu-kí-(áá-)gur-a <i>we are still buying</i> N: ti-tú-ki-gur-a	tu-Ø-guz-íre <i>we have bought</i> N: ti-tu-guz-íre
F <sub>1</sub> ni- ... -iža + INF	ni-tu-iža ku-gur-a <i>we will buy</i> N: ti-tú-ri-ku-iža ku-gur-a		ni-tu-iža ku-bá ni-tu-gúr-a <i>we will be buying</i> N: tu-ni-tu-iža ku-bá tu-tá-rí-ku-gur-a	ni-tu-iža ku-bá tu-kí-(áá-)gur-a <i>we will still be buying</i> N: ni-tu-iža ku-bá tu-tá-ki-gur-a	ni-tu-iža ku-bá tú-Ø-guz-ire <i>we will have bought</i> N: ni-tu-iža ku-bá tu-ta-guz-ire
F <sub>2</sub> -rí(a)-	tu-ríá-gur-a <i>we will buy</i> N: ti-tu-rí-gur-a	tu-ríá-gur-aga <i>we will buy (regularly)</i> tu-ri-ba ni-tu-gúr-a	tu-ri-ba ni-tu-gúr-a <i>we will be buying</i> N: tu-ri-ba tu-tá-rí-ku-gur-a	tu-ri-ba tu-kí-(áá-)gur-a <i>we will still be buying</i> N: tu-ri-ba tu-tá-ki-gur-a	tu-ri-ba tú-Ø-guz-ire <i>we will have bought</i> N: tu-ri-ba tu-ta-guz-ire

E16 Lu-soga

	Perfective	Habitual (-anga)	Progressive -Ø-	Persistentive -kia-	Anterior -mal- + -ile (-maz-e)
P <sub>3</sub> -aa-	tu-aa-gul-a <i>we bought</i> N: ti-tu-aa-gul-a	tu-a-gul-anga <i>we used to buy</i> N: ti-tu-aa-gul-anga	tu-aa-li tu-gul-a <i>we were buying</i> N: tu-aa-li ti-tu-li ku-gul-a	tu-aa-li tu-kia-gul-a <i>we were still buying</i> N: tu-aa-li te-tu-kia-gul-a	tu-aa-li tu-maz-e o-ku-gul-a <i>we had already bought</i> N: tu-aa-li tu-ka-li ku-gul-a
P <sub>2</sub> -a- ... -ile	tu-a-guz-e <i>we bought</i> N: ti-tu-a-guz-e		(?) <i>we were buying</i>	(?) <i>we were still buying</i>	tu-a-maz-e o-ku-gul-a <i>we had already bought</i>
P <sub>1</sub> -ile	tu-guz-e <i>we (have) bought</i> N: ti-tu-guz-e		tu-ba-ile tu-gul-a <i>we were buying</i>	(?) <i>we were still buying</i>	tu-maz-e o-ku-gul-a <i>we had already bought</i>
-Ø-			tu-Ø-gul-a <i>we buy</i> N: ti-tu-gul-a	tu-li ku-gul-a <i>we are buying</i> N: ti-tu-li ku-gul-a	tu-kaa-gul-a <i>we are still buying</i> N: ti-tu-kaa-gul-a
F <sub>1</sub> -ida + INF	tu-ida ku-gul-a <i>we will buy</i> N: ti-tu-ida ku-gul-a		(?) <i>we will be buying</i>	(?) <i>we will be still buying</i>	(?) <i>we will have bought</i>
F <sub>2</sub> -li-	tu-li-gul-a <i>we will buy</i> N: ti-tu-li-gul-a	tu-li-gul-anga <i>we will buy regularly</i> N: ti-tu-li-gul-anga	tu-li-ba tu-gul-a <i>we will be buying</i> N: tu-li-ba ti-tu-li-gul-a	tu-li-ba tu-kia-gul-a <i>we will be still buying</i> N: tu-li-ba te-tu-kia-gul-a	tu-li-ba tu-maz-e oku-gul-a <i>we will have bought</i> N: tu-li-ba tu-ka-li ku-gul-a

Indefinite Future:      A: tu-naa-gul-a                      N: ti-tu-naa-gul-a                      *we will (not) buy*  
 Perfect:                      A: tu-aka-gul-a                      N: ti-tu-aka-gul-a                      *we have just bought*  
 cf.                              A: tu-guz-e                              N: ti-tu-guz-e                              *we (have) bought*

## E24 Ru-kerebe

	Perfective	Habitual <b>-aga</b>	Progressive <b>n(i) / -ku-</b>	Persistentive <b>-ki-(aa-)</b>	Anterior <b>-Ø- ... -ile</b>
<b>P<sub>3</sub></b> <b>-ka- /</b> <b>-a-li-ga</b>	tu- <b>ka</b> -gul-a <i>we bought</i> N: ti-tu- <b>a-gúz-ile</b>	tu- <b>a-gul-ága</b> <i>we used to buy</i> N: ti-tu- <b>a-gúl-aga</b>	tu- <b>a-li-ga n(i)</b> -tú-gul-á <i>we were buying</i> N: tu- <b>a-li-ga</b> tu-ta- <b>kú</b> -gul-a	tu- <b>a-li-ga</b> tu- <b>kí</b> -gul-a <i>we were still buying</i> N: tu- <b>a-li-ga</b> tu-ta- <b>kí</b> -gul-a	n- <b>ka</b> - <b>βá</b> n- <b>Ø</b> -gúz- <b>íle</b> <i>I had bought</i> N: n- <b>ka</b> - <b>βá</b> n-tá-guz- <b>ilé</b>
<b>P<sub>2</sub></b> <b>-Ø- ... -ile</b>	tu- <b>Ø</b> -guz- <b>ilé</b> <i>we bought</i> N: ti-tu-guz- <b>ilé</b>	A <sub>1</sub> : tu- <b>Ø</b> -gul- <b>agá</b> A <sub>2</sub> : tu- <b>Ø</b> -gul-á <i>we buy</i>  N <sub>1</sub> : tu-tú-gul- <b>aga</b> N <sub>2</sub> : ti-tu-gúl-a	tu- <b>βe-ele n(i)</b> -tú-gul-á <i>we were buying</i> N: tu- <b>βe-ele</b> tu-ta- <b>kú</b> -gul-a	tu- <b>βe-ele</b> tu- <b>kí</b> -gul-a <i>we were still buying</i> N: tu- <b>βe-ele</b> tu-ta- <b>kí</b> -gul-a	n- <b>βe-ele</b> n- <b>Ø</b> -gúz- <b>íle</b> <i>I had bought</i> N: n- <b>βe-ele</b> n-tá-guz- <b>ilé</b>
<b>P<sub>1</sub></b> <b>-a-</b>	tu- <b>a</b> -gul-á <i>we bought</i> N: ti-tu- <b>a</b> -gúl-a		tu- <b>a-li n(i)</b> -tu-gúl-a <i>we were buying</i> N: tu- <b>a-li</b> tu-ta- <b>kú</b> -gul-a	tu- <b>a-li</b> tu- <b>kí</b> -gul-a <i>we were still buying</i> N: tu- <b>a-li</b> tu-ta- <b>kí</b> -gul-a	n- <b>á</b> - <b>βá</b> n- <b>Ø</b> -gúz- <b>íle</b> <i>I had bought</i> N: n- <b>á</b> - <b>βá</b> n-tá-guz- <b>ilé</b>
<b>-Ø-</b>			tu- <b>kú</b> -gul-a <i>we are buying</i> N: ti-tu- <b>kú</b> -gul-a	tu- <b>caa</b> -gúl-a <i>we are still buying</i> N: ti-tu- <b>kí</b> -gul-a	tu- <b>Ø</b> -guz- <b>ilé</b> <i>we have bought</i> N: ti-tu-guz- <b>ilé</b>
<b>F<sub>1</sub></b> <b>-laa-</b>	tu- <b>laa</b> -gúl-a <i>we will buy</i> N: ti-tú-gul-a		tu- <b>laa-βa ni</b> -tú-gul-á <i>we will be buying</i> N: tu- <b>laa-βa</b> tu-ta- <b>kú</b> -gul-a	tu- <b>laa-βa</b> tu- <b>kí</b> -gul-a <i>we will still be buying</i> N: tu- <b>laa-βa</b> tu-ta- <b>kí</b> -gul-a	n- <b>daa</b> - <b>βa</b> n- <b>Ø</b> -gúz- <b>íle</b> <i>I will have bought</i> N: n- <b>daa</b> - <b>βa</b> n-tá-guz- <b>ilé</b>
<b>F<sub>2</sub></b> <b>-li-</b>	tu- <b>li</b> -gul-á <i>we will buy</i> N: ti-tu- <b>li</b> -gúl-a	tu- <b>laa</b> -gul- <b>ága</b> <i>we will buy (regularly)</i> N: ti-tuu-gul- <b>ega</b>	tu- <b>li-βa ni</b> -tu-gúl-a <i>we will be buying</i> N: tu- <b>li-βa</b> tu-ta- <b>ku</b> -gul-a	tu- <b>li-βa</b> tu- <b>kí</b> -gul-a <i>we will still be buying</i> N: tu- <b>li-βa</b> tu-ta- <b>kí</b> -gul-a	n- <b>di</b> - <b>βa</b> n- <b>Ø</b> -gúz- <b>íle</b> <i>I will have bought</i> N: n- <b>di</b> - <b>βa</b> n-tá-guz- <b>íle</b>

E46 Ki-sonjo (Ki-temi)

	Perfective	Imperfective <b>-aga</b>	Anterior <b>-ba-</b>
P <sub>2</sub> <b>-a-</b>	(n)tw- <b>a-gor-ε</b> <i>we bought</i>  N <sub>1</sub> : tu-ta-ndi-gol- <b>aga</b> <i>we have never bought</i> N <sub>2</sub> : n-ta-ndi etem-el- <b>aga</b> <i>I have never cultivated</i>	(n)tw- <b>a-gol-aga</b> <i>we were buying, used to buy</i>  N: tu-ta-gol- <b>aga</b> <i>we were not ...ing</i>	
P <sub>1</sub> <b>-ba-</b>	(n)tu- <b>ba-gor-ε</b> <i>we bought</i>  N <sub>1</sub> : tu-ta-ndi-gol(-a) N <sub>2</sub> : n-ta-ndi-(e)tem-a <i>I did not cultivate, I have not ... yet</i>	(n)tu- <b>ba-gol-aga</b> <i>we were buying</i>	
	(n)tu-gol- <b>ate</b> <i>we are buying</i>  N <sub>1</sub> : tu-ti-gol- <b>aga</b> N <sub>2</sub> : tu-ti-mune-gol(-a)	(n)tu-gol- <b>aga</b> <i>we buy regularly</i>  N: tu-ti-gol- <b>ete</b> <i>we are not buying</i>	(n)tu- <b>ba-gol-a</b> <i>we have bought</i>
Future <b>-ke-</b>	(n)tu- <b>ke-gol-a</b> <i>we will buy</i>  N <sub>1</sub> : tu-ti-gol- <b>ete</b> N <sub>2</sub> : tu-ti-mune-gol(-a)	tu- <b>ke-gol-aga</b> <i>we will be buying</i>  N: n-ti-mune-etem-el- <b>aga</b> <i>I will never cultivate</i>	



E56 Ki-daiso

	Perfective	Imperfective (?)	Situative -ki-
P <sub>3</sub> -a-	n-a-rem-a <i>I cultivated</i>  N <sub>1</sub> : ta-ti-ka-rem-a <i>we did not hoe</i> N <sub>2</sub> : si-ka-rem-a <i>I did not hoe</i> N <sub>3</sub> : ta-t-a-vika-(ku-)rem-a <i>we did not hoe, have not hoed, have never hoed</i>		t-a-re ti-ki-keta pata <i>we were working</i>
P <sub>2</sub> -raa-	ma-raa-j-i <i>they went</i>		
P <sub>1</sub> =Anterior -Ø-	ti-Ø-rem-a <i>we (have) hoed</i> ngo-rem-a <i>I (have) hoed</i>  N <sub>1</sub> : ta-t-a-rem-a, s-a-rem-a N <sub>2</sub> : si-vika-rem-a <i>I have not hoed yet</i>	N: ta-t-a-vika na-ti-rem-a <i>we have not hoed yet = we are still hoeing</i>	ni-ke-re ni-ki-rem-a <i>I was hoeing (when ?)</i>
	u-Ø-keta-cha <i>what are you doing?</i>	na-ti-Ø-rem-a <i>we hoe, are hoeing, will hoe</i>  N: ta-ti-rem-a <i>we do not hoe, are not hoeing, will not hoe</i>	ti-ki-doj-a <i>if we buy, when we bought, we buying, and we bought</i>
Future -sa-	ti-sa-rem-a <i>we will hoe</i> ni-sa-s-a <i>I will come</i>  N: ta-ti-Ø-rem-a, si-Ø-rem-a		

E701 Ki-ilwana

	Perfective	Habitual -ka- / -ku-	Progressive -( )ku- ... -e:ni	(?)
Past	<p>tu-cek-<b>ie</b> <i>we laughed, have laughed, had laughed</i></p> <p>u-cek-<b>ie</b> <i>you laughed</i></p> <p>u-cék-<b>ie</b> <i>he laughed</i></p> <p>bozi u-f-<b>i:le</b> <i>the goat is dead</i></p> <p>N: da-tú-cek-<b>íé</b> <i>we did not laugh</i></p>		<p>tw-e:<b>ku-lim-e:</b> <i>we were hoeing (when he arrived)</i></p>	<p>n-é:-cek-<b>íé</b> <i>I laughed</i></p>
		<p>(niji-)tu-<b>ka</b>-som-a <i>we read regularly</i></p> <p>tu-<b>ka</b>-som-a <i>we read</i></p>	<p>ni-muku-<b>lím-é:ni</b> <i>I am cultivating</i></p> <p>N: da-ni-muku-<b>lím-é:ni</b></p>	
Future n- ... -aku-	<p><b>n-a:ko</b>-sóm-á <i>I will read, can read</i></p> <p>gy-a:kw-á:ban-a <i>it will fall (Cl. 7)</i></p> <p>N: da-<b>n-a:ko</b>-som-a <i>I will not read</i></p>		<p>tw-<b>a:kw-i:ta</b> tu-<b>ku-lim-e:(ni)</b> <i>we will be hoeing</i></p>	

E71 Lower Ki-pokomo

	Perfective	Situative <b>-ki-</b>	Progressive <b>-aku- ... -ni</b>	Anterior <b>-Ø-</b>
P <sub>2</sub> <b>-i-</b>	hw- <b>i</b> -guy-a <i>we bought</i>  N: nta-hu-ku-guy-a	hw- <b>i-ki</b> -guy-a <i>we were buying, used to buy</i> <i>/hw-i-w-a hu-ki-guy-a/</i>	hw- <b>i-w-a hu-guy-a-ni</b> <i>we were buying</i>	hw- <b>i-w-a hu-Ø-guy-a</b> <i>we had bought</i>
P <sub>1</sub> = Anterior <b>-Ø-</b>	hu- <b>Ø</b> -guy-a <i>we have bought = we bought</i>	hu-ka-a hu- <b>ki</b> -guy-a <i>we have been buying</i>	hu-w-a hw- <b>aku-guy-a-ni</b> <i>we were buying</i>	
	hu-na-gúy-a <i>we buy</i>  N: nta-hu-guy- <b>i</b> (or -e)	hu- <b>ki</b> -guy-a <i>we buying, if we buy</i>  hu-na-ka-a hu- <b>ki</b> -guy-a <i>we buy (HABITUAL)</i>	hw- <b>aku-guy-a-ni</b> <i>we are buying, will buy</i> <i>(near future)</i>  N: nta-hu-kw- <b>aku-guy-a-ni</b>	hu- <b>Ø</b> -guy-a <i>or</i> hu-ma-guy-a <i>or</i> hw-is-a ku-guy-a <i>we have bought</i>  N: nta-hu-dza-guy-a <i>we have not bought yet</i>
Future <b>-na-</b>	hú- <b>na</b> -guy-á <i>we will buy</i>  N: nta-hu-guy- <b>i</b> (or -e)	hu- <b>na-ka-a hu-ki</b> -guy-a <i>we will buy, be buying</i>	hu- <b>na-w-a hw-aku-guy-a-ni</b> <i>we will be buying</i>	hu- <b>na-w-a hu-Ø-guy-a</b> <i>or</i> hu- <b>na-w-a hw-is-a ku-guy-a</b> <i>we will have bought</i>

E71 Upper Ki-pokomo (Ndera)

	Perfective	Situative <b>-ki-</b>	Progressive <b>-a ... -ni</b>	Anterior = Past <b>-Ø-</b>
Past = Anterior <b>-Ø-</b>	<p>hu-Ø-chez-a <i>we (have) played</i></p> <p>N: nta-hu-ku-chez-a <i>we did not play, have not played</i></p> <p>hw-is-a ku-chez-a <i>we have just played</i></p> <p>N: nta-hu-ja-chez-a <i>we have not played yet</i></p>	<p>hu-w-a hu-ki-chez-a <i>we used to play</i></p> <p><i>or as left</i></p>	<p>hu-w-a h-a-chez-a-ni <i>we were playing</i> <i>(at the moment when, or</i> <i>all day long)</i></p> <p><i>or as right</i></p>	<p>hu-w-a hu-Ø-chez-a <i>we had played</i></p> <p>hu-w-a hw-is-a ku-chez-a <i>we had just played</i></p>
	<p>h-a-chez-a <i>we play (regularly)</i></p> <p>N: <i>as above</i></p>	<p>hu-ki-chez-a <i>we playing, when we play</i></p>	<p>h-a-chez-a-ni <i>we are playing</i></p> <p>h-a-ku-j-a-ni <i>we are coming</i></p> <p>N: nta-hu-koku-chez-a <i>we are not playing</i></p>	<p>hu-Ø-chez-a <i>we have played</i></p> <p>N: nta-hu-ku-chez-a <i>we did not play, have not played</i></p> <p>hw-is-a ku-chez-a <i>we have just played</i></p> <p>N: nta-hu-ja-chez-a <i>we have not played yet</i></p>
Future <b>-a-</b>	<p>h-a-chez-a <i>we will play</i></p> <p>h-a-ku-imb-a <i>we will sing</i></p> <p>h-a-na-gw-a <i>we will fall</i></p> <p>N: nta-h-a-chez-a</p>	<p>h-a-ku-w-a hu-ki-chez-a <i>we will play regularly</i></p>	<p>h-a-ku-w-a h-a-chez-a-ni <i>we will be playing</i></p>	<p>h-a-ku-w-a hu-Ø-chez-a <i>we will have played</i></p>

E74b Saghala (as spoken at Teri in 1984)

	Perfective	Progressive <b>-ende-</b>	Habitual <b>-a...-agha</b>	Anterior <b>-a...-a</b>	Inceptive (?) <b>-a-malila + INF</b>
Past <b>-a...-ile</b>	<b>t-a-ghul-ile</b> <i>or</i> <b>tanaghulile</b> <i>we bought</i>  N: s-ti-Ø-ghúl-íle	t-e-lú-o ti-ke-ghúl-á <i>we were buying</i>  N: s-t-e-lú-o ti-ke-ghúl-á			
	<b>ti-Ø-ghulagha</b> <i>we buy, are buying, will buy</i>  Also <b>ti-Ø-ghula ??</b>  N: s-tighulagha	<b>t-ende-ghul(agh)a</b> <i>we are buying, will buy</i>	<b>t-a-na-ghul-agha</b> <i>we buy (every day)</i>	t-a-ghúl-á <i>or</i> <b>t-a-na-ghula</b> <i>we have bought</i>  N: s-tighúlíle  mwana w-a-velo <i>child has been born</i>	<b>t-a-málíla kughula</b> <i>we have already bought</i>  N: t-a-na-ka-ílé kughula <i>we haven't bought yet</i>

This Saghala, source Gérard Philippon, p.c, differs somewhat from the Saghala in Wray (1894). Saghala seems to have changed in a century.

F25 Ci-vungu

	Perfective	Imperfective <sub>1</sub>	Imperfective <sub>2</sub> -aya	Persistentive -ce-le +	Anterior (?) -ile
P <sub>3</sub>	tw-a-kaz-ile <i>we bought</i>	inga to-Ø-kal-a <i>we were buying</i>	inga to-Ø-kal-aya <i>we used to buy</i>		
P <sub>2</sub>	tw-a-kal-a				
P <sub>1</sub>	tw-a-kal-a <i>we just bought</i>				
	to-ma-kal-a <i>we are buying</i>		to-Ø-kal-aya “we buy”	to-ce-le to-Ø-kal-a <i>we are still buying</i>  N: to-ce-le to-ta-kal-a <i>we have not bought yet</i>	to-Ø-kaz-ile <i>we have bought, we bought today</i>
F <sub>1</sub>	to-Ø-kal-a (also tw-izo-kal-a) <i>we will buy</i>				
F <sub>2</sub>	to-le-kal-e		to-le-kal-ay-e <i>we will buy (regularly)</i>		

F34 Bowe (Ki-mbugwe) (1)

	Perfective	Progressive <b>-kende-</b>	Habitual <b>-anda-</b>
<p>P<sub>3</sub> -á- ... -á</p>	<p>n-áa-rem-á <i>I hoed</i></p> <p>N: s-á-rem-íe</p>	<p>(n-)o-síta á-a-re o-ny-é rusú <i>he used to refuse to drink beer</i> <i>he was refusing to drink beer</i></p> <p>N: s-á-ré-rém-a <i>I was not hoeing</i></p>	
<p>P<sub>2</sub> -á- ... -íe</p>	<p>n-áa-rem-íe</p>		
<p>P<sub>1</sub> -Ø- ... -íe</p>	<p>n-dem-íe <i>I (have) hoed</i></p> <p>N: si-jé-rém-íe</p>		
	<p>(o-ny-a <i>you drink</i></p> <p>N: t-o-ny-a)</p>	<p>o-rem-a ku-kénde <i>we are hoeing</i></p>	<p>n-ándá-rem-a <i>I (usually) hoe</i></p> <p>N: si-jé-rém-a <i>I do not hoe often</i></p>
<p>Future INF + 'come' (-je)</p>	<p>o-ra ko-j-e <i>eat we will</i></p> <p>o-jé-mó-ra <i>you will eat him</i></p> <p>N: te-ko-je-rem-a <i>we will not hoe</i></p>		

F34 Bowe (Ki-mbugwe) (2)

	Perfective	Progressive <b>-kende-</b>	Habitual <b>-anda-</b>	Anterior ... <b>-íe</b>
Past <b>-á-</b>	n- <b>áa</b> -rem- <b>á</b> <i>I hoed</i>  N: s- <b>á</b> -rem- <b>íe</b>	(n)o- <b>síta</b> <b>á-a-re</b> o-nyé rusú <i>he used to refuse to drink beer</i> <i>he was refusing to drink beer</i>  N: s- <b>á-ré</b> -rém-a <i>I was not hoeing</i>		n- <b>áa</b> -rem- <b>íe</b> <i>I (have) hoed</i>
	(o-ny-a <i>you drink</i>  N: t-o-ny-a)	o-rem-a ku- <b>kénde</b> <i>we are hoeing</i>	n- <b>ándá</b> -rem-a <i>I (usually) hoe</i>  N: si- <b>jé</b> -rém-a <i>I do not hoe often</i>	n-dem- <b>íe</b> <i>I (have) hoed</i>  N: si- <b>jé</b> -rém- <b>íe</b>
Future INF + 'come' (-je)	<b>o-ra</b> ko- <b>j-e</b> <i>we will eat</i>  <b>o-jé</b> -mó- <b>ra</b> <i>you will eat him</i>  N: te-ko- <b>je</b> -rem-a <i>we will not hoe</i>			



G11 Chi-kagulu

	Perfective	Imperfective -aga	Persistentive -ŋ <sup>h</sup> ali	Anterior -Ø-...-a
Past <b>ha-...-Ø-</b> , or <b>-a-</b>	<b>ha-chi-Ø-luta</b> <i>or (infrequent)</i> <b>ch-a-luta</b> <i>we went</i> N: <b>chi-s-a-luta</b> <i>or</i> <b>chi-s-a-lut-ile</b>	<b>chi-Ø-j-aga</b> <i>we used to come</i> <b>ha-chi-Ø-lut-aga</b> <i>we were going</i>		
	<b>chi-ku-luta</b> <i>we go, are going, will go</i> N: <b>si-chi-ku-luta</b> <i>or</i> <b>chi-si-ku-luta</b>		<b>dimudyo di-ŋ<sup>h</sup>ali di-ku-diika</b> <i>the fruit is still edible</i>	<b>chi-Ø-luta</b> <i>we have gone</i> <b>chi-Ø-kala</b> <i>we are sitting</i> N: <b>si-mu-Ø-lut-ile</b> <i>you haven't gone</i> <b>si-chi-many-ile</b> <i>we don't know</i>
Future <b>-o-</b> , or <b>-ka-</b> (or <b>-ku-</b> )	<b>ch-o-luta</b> <i>or</i> <b>chi-ka-luta</b> <i>we'll go</i> N: <b>chi-si-ka-luta</b> <i>or</i> <b>si-chi-ka-luta</b>	<b>ch-o-ki-on-aga</b> <i>we will see each other repeatedly</i>		<b>chi-Ø-kuwa chi-Ø-lut-ile</b> <i>we'll have gone</i> <b>chi-Ø-kuwa chi-Ø-mala</b> <i>we'll have finished</i>

This is an interpretation of Petzell 2007. Kagulu also has many auxiliary-based forms.

G20A Mbugu / Ma'a

	Perfective	Imperfective, Situative? <b>-kú-</b>	Habitual <b>-tuwáá-</b> or <b>-túwa-</b>	Persistentive <b>-chéri-</b> (or <b>-ra-/-re-</b> ?)	Anterior <b>-áa-...-a</b>
P <sub>2</sub> (?) <b>-áa-...-áa,</b> or <b>-ée-...-íye</b>	tw-áa-im-áa tw-ée-kúru-ye <i>we cultivated, we dug</i> N: te-tw-ée-kúru-ye	tw-é-kú-íma <i>we used to cultivate, were cultivating</i> N: te-v-éku-vika <i>they weren't putting</i>			
P <sub>1</sub> (?) <b>-Ø-...-íye</b>	tu-Ø-fum-íye <i>we came from</i> N: tetufumíye				
	tu-Ø-kúru tu-Ø-ima <i>we dig, are digging</i> N: te-tú-Ø-kúru	té-kú-kúru <i>if we dig, when we dig, 'we digging', etc.</i> N: tu-ku-sa-kuru	tu-túwa-ima <i>we cultivate (HAB)</i> N: te-tú-túwa-ima	tu-chéri-ima <i>we are still digging</i> N: té-chéri-kúru <i>he hasn't dug yet</i>  é-re-ata i'í <i>he's still here</i>	tw-áa-kúru <i>we have dug</i> tw-áa-kwáha <i>we are tired</i> N: te-tú-na-kúru
Future <b>-ne-</b>	tu-ne-kúru tu-ne-ima <i>we will dig, cultivate</i> N: te-tú-ka-kúru te-tú-ka-im-é				

This is one interpretation of Mous' (2003b) material. Main verbs: low-toned *-im-a* 'cultivate', high-toned *-kúru* 'dig' with unchanging final vowel. Meanings of many of these forms unclear (Mous 2003b: 121, 'rudimentary semantic analysis'). Negative equivalencies also uncertain in some cases. Many other (modal, discourse) morphemes may occur in the pre-stem position, up to three at a time (e.g *hé-né-za-ku-hláwa* 'there will be suffering for sure'). Compare this, G22 (especially), and G23.

G22 North Ki-pare (Ki-asu)

	Perfective	Imperfective <b>-eki-</b>	Habitual <b>-na-</b> / <b>'be' + MAIN VERB</b>	Persistive <b>-ra-</b> / <b>-ré-</b>	Experiential <b>-ána-</b>	Anterior
P <sub>2</sub> <b>-é- ... -ie</b>	tw- <b>é</b> -im- <b>ie</b> <i>we cultivated</i> N: te-tú-im- <b>ie</b> tw-ethí-im- <b>ie</b>	tw- <b>é'</b> ki-im-a <i>we were cultivating</i> N: te-tw- <b>é</b> ki-im-a tw-eth- <b>é</b> ki-im-a	tw-( <b>é</b> -)na-im-a <i>we used to cultivate</i> N: te-tú-na-im-a tw-ethí-na-im-a	tw- <b>é</b> -ré-im-a <i>we were still cultivating</i>		tw- <b>é'</b> ki-im- <b>ie</b> <i>we had cultivated</i> N: te-tw- <b>é'</b> ki-im- <b>ie</b> tw-eth- <b>é</b> ki-im- <b>ie</b>
P <sub>1</sub> <b>-é- ... -ie</b>	tw- <b>é</b> -im- <b>ie</b> <i>we cultivated</i>					
	tu- <b>Ø</b> -im-a <i>we cultivate, are cultivating</i> N: te-tú- <b>Ø</b> -im-a tw-ethí-im-a	tw- <b>é</b> ki-im-a <i>if we cultivate, "we cultivating"</i> N: tw- <b>é</b> ki-thá-im-a	tu- <b>Ø</b> -oka tu- <b>Ø</b> -im-a <i>we cultivate regularly</i> N: tu- <b>Ø</b> -oka te-tú-im-a	tu- <b>ra</b> -im-a <i>(or tu-re-hó tu-im-a)</i> <i>we are still cultivating</i> N: te-tú- <b>re</b> -im-a	tw- <b>ána</b> -im-a <i>we once cultivated, we have experience of cultivating</i> N: te-tw- <b>é</b> na-im-a	tw- <b>á</b> -im- <b>á</b> <i>we have cultivated</i> N: te-tú-na-im- <b>á</b> tw-ethí-na-im- <b>á</b> tw-athá-im-a
Future <b>-ne-</b>	tu- <b>ne</b> -im-a <i>we will cultivate</i> N: te-tú-ka-im- <b>é</b> tw-ethí-ka-im- <b>é</b>		tu- <b>ne</b> -oka-im-a <i>(or tu-ne-tua-im-a)</i> <i>we will regularly</i>	tu- <b>né</b> -ré-im-a <i>we will still be cultivating</i> N: tw-ethí-ka- <b>ré'</b> -im-a		β- <b>é</b> na-im-a <i>(or β-ána-im-a)</i> <i>they will have cultivated</i>

G35 Chi-lugulu

	Perfective	Progressive	Habitual -aya	Persistent -nali +	Anterior -ile
P <sub>2</sub> tsa ... -Ø-	tsa tu-Ø-γul-a <i>we bought</i>				
P <sub>1</sub> -Ø-	tu-Ø-γul-a <i>we bought</i> N: ηa-tu-gul-ile baye/mbe	tu-ηali tu-Ø-γul-a <i>(?) we were buying</i>	tu-ηali tu-Ø-γul-aya <i>we used to buy</i>		
	t-o-γul-a <i>we buy, are buying, will buy</i> N: ηa-t-o-γul-a baye/mbe		tu-γul-aya <i>we buy regularly</i>	tu-ηali tu-γul-a <i>we are still buying</i>	tu-γul-ile <i>we have bought</i>
Future	tu-tso-gul-a <i>we will buy</i>		tu-tso-γul-aya		

G411 Chi-m(w)i:ni

	Perfective	Situative <b>-chi-</b>	Habitual <b>hu-</b>	Progressive <b>-naku-</b>	Anterior = Past <b>-ile</b>
Past = Anterior <b>(-ile)</b>	sh- <u>t</u> esh- <b>e</b> lé <i>we laughed</i>  N <sub>1</sub> : nt <sup>h</sup> a-sh-ko-olok-a <i>we did not go</i>  N <sub>2</sub> : nt <sup>h</sup> aasa nt <sup>h</sup> a-sh-ku- <u>t</u> ek-a <i>we have not laughed yet</i>	shi- <b>chi</b> - <u>t</u> ek-a <i>we were laughing, used to laugh</i>  chi-wa:liko sh- <b>ch</b> -u:l-a <i>we used to buy, were buying, were there buying (all day or at a specific point)</i>  N: nt <sup>h</sup> a-sh- <b>chi</b> - <u>t</u> ek-a	<i>as left</i>	si chi-wa:liko chi- <b>naku</b> -ul-a <i>we were buying</i>	(si) chi-wa:liko ch-u:z- <b>i:Le</b> <i>we had bought</i>  wa:liko le- <b>ele</b> <i>she was asleep, had fallen asleep</i>  chi-wa ha-shk <sup>h</sup> a:dir- <b>i</b> <i>we were we not able, we were sick</i>
		shi- <b>chi</b> - <u>t</u> ek-á <i>we laughing, if we laugh</i>	si <b>hu</b> - <u>t</u> ek-a <i>we laugh (regularly)</i>  N: si ha-sh- <u>t</u> ek- <b>i</b> <i>we do not (never) laugh</i>	chi- <b>nax</b> - <u>t</u> ek-á <i>we are laughing</i>  N: nt <sup>h</sup> a-chi- <b>nax</b> - <u>t</u> ek-a	sh- <u>t</u> esh- <b>e</b> lé <i>we have laughed</i>
Future <b>-ta:ku-</b>	sh- <u>t</u> a:x- <u>t</u> ek-a <i>we will laugh</i>  sh- <u>t</u> a:ku-j-a <i>we will eat</i>  N: ha-sh- <u>t</u> a:ku-j-a			si sh- <b>taku</b> -wa chi- <b>naku</b> -uL-a <i>we will be buying</i>	si sh- <b>taku</b> -wa ch-uz- <b>iLe</b> <i>we will/would have bought</i>

G52 Chi-ndamba

	Perfective	Imperfective <b>-agha / -aya</b>	Progressive <b>-ku- or -eyi</b>	Anterior <b>-Ø-...-a</b>
P <sub>2</sub> <b>-a-</b>	tw- <b>a</b> -telek-ili <i>we cooked (long ago)</i>	tw- <b>a</b> -telek- <b>agha</b> <i>we used to cook, were cooking</i>	tw- <b>a</b> -vel- <b>ili</b> tu- <b>ku</b> -telek-a <i>or</i> tw- <b>a</b> -telek- <b>eyi</b> <i>we were cooking</i>	tw- <b>a</b> -vel- <b>ili</b> tu- <b>Ø</b> -telek- <b>a</b> <i>we had cooked</i>
P <sub>1</sub> <b>-ka-</b>	tu- <b>ka</b> -telek-ili <i>we cooked</i>	tw- <b>ka</b> -telek- <b>agha</b> <i>we were cooking</i>	tw- <b>ka</b> -vel- <b>ili</b> tu- <b>ku</b> -telek-a <i>or</i> tw- <b>ka</b> -telek- <b>eyi</b> <i>we were cooking</i>	tu- <b>Ø</b> -telek- <b>ili</b> <i>we had cooked</i>  Structurally this is the Present Perfective
<b>-Ø-, -ku-</b>		tu- <b>Ø</b> -telek- <b>agha</b> <i>we usually cook</i>	tu- <b>ku</b> -telek-a <i>we are cooking, will cook</i>	tu- <b>Ø</b> -telek- <b>a</b> <i>we have cooked (often narrative)</i>
		tu- <b>ku</b> -telek- <b>agha</b> <i>we usually cook (generic)</i>		
Future <b>da-...-Ø-...-i,</b> or <b>na-...-Ø-...-i</b>	<b>da</b> -tu- <b>Ø</b> -telek- <b>i</b> <i>we'll cook</i>	<b>da</b> -tu- <b>Ø</b> -v- <b>i</b> tu- <b>Ø</b> -telek- <b>agha</b> <i>we'll cook, be cooking</i>	<b>da</b> -tu- <b>Ø</b> -v- <b>i</b> tu- <b>ku</b> -telek- <b>a</b> <i>or</i> <b>da</b> -tu- <b>Ø</b> -telek- <b>eyi</b> <i>we'll be cooking (at specific time)</i>	<b>da</b> -tu- <b>Ø</b> -v- <b>i</b> tu- <b>Ø</b> -telek- <b>a</b> <i>we'll have cooked</i>

H16 Ki-kongo (Laman)

	Perfective	Imperfective
P <sub>3</sub> -a-	tw- <b>a</b> -káng-a <i>we bound</i>  N: k- <b>a</b> tw- <b>a</b> -káng-a <b>ko</b>	tw- <b>a</b> -káng- <b>ang</b> -a <i>we were binding, used to bind</i>
P <sub>2</sub> -a- ... -idi	tw- <b>a</b> -keng- <b>i</b> <i>we bound</i> tw- <b>a</b> -dimb- <b>idi</b> <i>we praised</i>	tw- <b>a</b> -keng- <b>ing</b> -i
P <sub>1</sub> -idi	tu- <b>Ø</b> -keng- <b>i</b> <i>we bound, have bound</i> tu- <b>Ø</b> -dimb- <b>idi</b> <i>we praised, have praised</i>	tu-keng- <b>ing</b> -i
-Ø-	tu- <b>Ø</b> -káng-a <i>we bind, will bind (near)</i>  N: k- <b>a</b> tu-káng-a <b>ko</b>	tu-káng- <b>ang</b> -a <i>we are binding</i>
Future -a-	tw- <b>á</b> -káng-a <i>we will bind</i>	tw- <b>à</b> -káng- <b>ang</b> -a

K11 Cokwe

	Perfective	Anterior <b>hi-</b> ... -VC	Progressive <b>-na-</b> ... -VC	Habitual <b>-ááku-</b>	Persistent <b>ci-</b> / - <b>ci-</b>	Assertion <b>ku-</b>
P <sub>4</sub> <b>-á-</b> ... <b>-ile</b>	<b>n-á-lim-ine</b> <i>I hoed</i> N: <b>c-a-lím-ine</b>			<b>k-á-pw-ile</b> nyi-ku-lim-a <i>he used to hoe</i>	<b>ci-n-á-lim-ine</b> <i>I still hoed</i>	<b>ku-n-á-lim-ine</b> <i>I definitely hoed</i>
P <sub>3</sub> <b>-na-(ka-)</b>	<b>ngú-na-ka-lim-a</b> N: <i>as above</i>	<b>hi-ngú-ná-lim-i</b> <i>I have (already) hoed</i>			<b>ci-ngú-na-ka-lim-a</b>	<b>ku-ngú-na-ka-lim-a</b>
P <sub>2</sub> <b>-á-</b> ... <b>-anga</b>	<b>n-á-lim-anga</b> N: <i>as above</i>				<b>ci-n-á-lim-anga</b>	<b>ku-n-á-lim-anga</b>
P <sub>1</sub> <b>-á-</b>	<b>n-á-lim-a</b> N: <b>c-a-lim-ine</b>				<b>ci-n-á-lim-a</b>	<b>ku-n-á-lim-a</b>
		<b>hi-ngu-Ø-lím-í</b> <i>I have hoed (recently)</i>	<b>ngú-ná-lim-i</b> <i>I am hoeing</i> N: <b>ci-shi-ku-lím-a</b>	<b>n-ááku-lim-a</b> <i>I hoe (habitually)</i> N: <b>ci-cíkù-lim-a</b>	<b>mú-ngú-ci-lim-a</b> <i>I am still hoeing</i> N: <b>kandá-ngú-ci-lim-a</b> <i>I have not hoed yet</i>	<b>ku-ngú-ná-lim-i</b> <b>ku-n-ááku-lim-a</b>
F <sub>1</sub> <b>mú-</b> ... <b>-Ø-</b>	<b>mú-ngu-Ø-lim-a</b> <i>I will hoe</i> N: <b>ci-ciká-lím-a</b>					<b>ku-mú-ngu-Ø-lim-a</b> <i>I will definitely hoe</i>



## K14 Chi-luvale

	Perfective	Habitual AUX ... -anga	Progressive 'be' + na	Anterior -a-
P <sub>3</sub> -a- ... -ile	tw-a-mu-vwík-ile <i>we dressed him</i> N: ka-ngw-a-lánj-íle-ko <i>I did not buy</i>		ngw-a-pw-íle na ku-tángis-a <i>I was teaching</i> N: ka-ngw-a-pw-íle na ku-tángis-á-ko	
P <sub>2</sub> -a- ... -anga	ngw-a-tángis-anga <i>I taught</i> N: ka-ngw-a-mu-tángis-angá-ko <i>I did not teach him</i>		ngw-a-pw-anga na ku-tángis-a <i>I was teaching</i> N: ka-ngw-a-pw-anga na ku-tángis-á-ko	
P <sub>1</sub> -na- ... -VC	ngu-na-mu-zúl-u <i>I undressed him</i> N: ka-ngw-a-lanj-ílé-ko <i>I did not buy</i>		ngu-ná-p-ú na ku-tángis-a <i>I was teaching</i> N: ka-ngu-na-pw-íle na ku-ángis-á-ko	
		ngw-echi ku-tángis-a-(nga) <i>I teach</i> N <sub>1</sub> : ka-ngw-échi ku-tángis-á-(nga)-ko N <sub>2</sub> : ka-ngw-a-mu-tángis-á-ko <i>I do not teach him</i>	ngu-(lí-)na ku-tángis-a <i>I am teaching</i> N: ka-ngw-échi na ku-tángis-á-ko	ngw-á-ly-a <i>I have eaten</i> N: kandá ngu-ly-é
F <sub>1</sub> na-	ná-vá-tángis-a <i>they will teach</i> N: ka-ngw-échi ngu-tángis-é-ko <i>I will not teach</i>		ná-ngu-pw-a na ku-tángis-a <i>I will be teaching</i> N: ka-ngw-échi ngu-pw-é na ku-tángis-á-ko	
F <sub>2</sub> na- ... -ka-	na-tu-ka-tángis-a <i>we will teach</i> N: kéchi a-ká-ly-é-ko <i>he will not eat</i>		ná-ngu-ká-pw-á na ku-tángis-a <i>I will be teaching</i> N: ka-ngw-échi ngu-ka-pw-é na ku-tángis-á-ko	

## K332 Dciriku

	Perfective	Progressive	Anterior
P <sub>2</sub> -à-	tw-a-píng-ire <i>we inherited</i>		tw-a-píng-a <i>we (have) inherited</i>
P <sub>1</sub> -v̂c	ká-tu-píng-i <i>we inherited</i>	amě kú-ná-jimb-i <i>I was just singing</i>	tu-na-píng-i <i>we have inherited</i>  tu-na-júv-u <i>we hear</i>
		murúme kú-na-ku-dípag-a <i>the man is killing</i>	
F <sub>1</sub> (kú- ...) -Ø- ... -á	(kú-)tu-Ø-píng-á <i>we will inherit</i>		
F <sub>2</sub> ngá- ... -Ø- ... -à	ngá-tu-Ø-píng-a <i>we will/may inherit</i>		

## K352 Si-mwenyi

	Perfective	Habitual -ánga	Progressive -ilé	Persistentive -si-	Anterior (?)
P <sub>3</sub> <b>mbá na- / -naku-</b>	<b>mbá ná</b> -ni-b-a <i>I gave</i> ní- <b>nakú</b> -mon-á <i>I saw</i>	<b>mbá ná</b> -ni-mon-ánga <i>I used to see</i>			
P <sub>2</sub> <b>mbá na- ... -VC</b>	<b>mbá na</b> -ni-mú-mon-ó <i>I saw him</i> N: ká-n-a-mon-íne				
P <sub>1</sub> <b>-na- ... -VC</b>	sí- <b>na</b> -mú-mon-ó <i>I saw him (today)</i> N: ká-n-así-mon-á				
	n- <b>a</b> -món-a <i>I see</i>	n- <b>á</b> -mon-ánga <i>I see (regularly)</i> N: ká-tu-mon-ángá <i>we do not see</i>	ní-mon-íne <i>I am looking</i> N: ká-tu-mon-íne <i>we are not looking</i>	ní- <b>si</b> -mon-á <i>(?) I still see</i> ní- <b>si</b> -mon-íne <i>I am still seeing</i>	
F <sub>1</sub> <b>mbá ... -Ø- ... -a</b>	<b>mbá</b> ni-Ø-mú-b-a <i>I will give him</i> <b>mbá</b> ni-Ø-món-a <i>I will see</i> N: ká-n-akú-mon-á				
F <sub>2</sub> <b>tambá ... -Ø- ... -e</b>	<b>tambá</b> ni-Ø-món-e <i>I will see</i> N: ká-ni-mon-ó				
F <sub>3</sub> <b>tamba mbá ... -Ø- ... -e</b>	<b>tamba mbá</b> ni-Ø-món-e <i>I will see</i> N: ka- <b>mba</b> ní-mon-ó <i>I will never see</i>	kúmba <b>mbá</b> ni-Ø-mon-ánga <i>I will see regularly</i>			

L23 Ki-songye, Lu-songye

	Perfective	Progressive -Ø- ... -a(ng)a	Persistentive -kí-	Inceptive Anterior (?) -ta(:)-
P <sub>3</sub> -bá:- ... -ile	tu-ba:-sép-ele <i>we hoed (before yesterday), we had hoed</i>	tu-baá-di tu-Ø-dim-a(ng)a <i>we were hoeing</i>	N: tatu-kí-báá-di tu-dim-anga <i>we did not hoe anymore</i>	tú-tá-báá-dím-ine <i>we had already hoed</i>
P <sub>2</sub> -Ø- ... -ilé	tu-Ø-dim-iné <i>we hoed (yesterday)</i>	tu-Ø-fun-iné tu-Ø-dim-a(ng)a <i>we were hoeing</i>		tú-táá-dím-ine <i>we have already hoed</i>
P <sub>1</sub> -bá:- ... -íC	tu-ba:-dím-i <i>we (have) just hoed</i> tu-ba:-sép-e <i>we (have) just laughed</i>			
	tw-a-dim-ǎ(ng)á <i>we hoe, are hoeing, were hoeing</i> tw-e-kan-ángá tu-dim-anga <i>we usually hoe</i>	tu-Ø-dim-a(ng)a, tu-Ø-kwëte tu-dim-a(ng)a <i>we are hoeing</i>	tu-ki-dim-anga <i>we still hoe, are still hoeing</i>	tú-táá-dím-ǎ(ng)á <i>we are already hoeing</i>
Future -a:ku-	tw-aku-sep-a <i>we will laugh</i>		N: tatu-ky-áku-dim-a	

## L31a Cí-luba (Luba Kasayi)

	Past	Present
Perfective	tú-Ø-kwac- <b>ilé</b> <i>we seized</i>	tú-Ø-énz-á <i>we do, are doing</i>
Imperfective <b>'be' + PfV</b>	tú- <b>vú</b> -á tú-Ø-énz-á <i>we were doing, used to do</i>	tú-Ø-dí tú-Ø-énz-á <i>we are doing, will do</i>
Habitual <b>-tu + PfV</b>	<i>as above?</i>	ú- <b>tú</b> ú-y-a <i>you always go</i>  ú- <b>tú</b> w-â-y-a <i>you go regularly</i>
Persistentive <b>-ci-</b>	tú- <b>ci</b> -vú-á tú-kwat-á <i>we were still holding</i>	n- <b>ci</b> -kwat-á <i>I still hold</i>  n- <b>ci</b> -dí n-kwat-á <i>I am still holding</i>
“Subsecutive” <b>-a-</b>		mb- <b>â</b> -kwat-á <i>I hold, held, will hold, that I hold, and I hold, etc.</i>
Anterior <b>-a- ... -í</b>		tw- <b>â</b> -kwac- <b>í</b> <i>we have seized</i>
Itive <b>-ká-</b>		tú- <b>ká</b> -kwat-á <i>we are going to hold</i>  tú- <b>ká</b> -dí tú-kwat-á <i>we are about to hold</i>

## L33 Ki-luba-shaba

	Perfective	Imperfective <b>-ngá</b>	Persistentive <b>-kì-</b>	“Go to” <b>-ká-</b>	Anterior (?)
P <sub>3</sub> <b>-á- ... -ile</b>	<b>n-áá-pááp-ile</b> <i>I carried</i>				
P <sub>2</sub> <b>-a- ... -ilé</b>	<b>w-aa-cip-ílé</b> <i>he swore</i> <b>w-áa-tw-ilé</b> <i>you pounded</i>				
P <sub>1</sub> <b>-(b)áá- ... -é / -à</b>	<b>w-aá-cip-é mú-cip-o</b> <i>he swore, has sworn</i> <b>tú-baá-mon-é</b> <i>we saw, have seen</i> <b>tú-baá-pál-a</b> <i>we (have) paid</i>	<b>w-aá-dya-ngá</b> <i>he has really eaten</i> <b>w-aá-fwa-ngá</b> <i>he is really dead</i>	<b>w-aa-dí u-ki-dy-á</b> <i>he was still eating</i>	<b>ú-baa-ká-di</b> <i>you went to eat</i>	
<b>-Ø-</b>	<b>ng-énd-á</b> <i>I walk</i> <b>N: ké-tu-fík-a-po</b> <i>we do not arrive</i>	<b>m-Ø-póyá-ngá</b> <i>I hunt (regularly)</i> <b>N: n-Ø-ki-tomé-ngá-po</b> <i>I do not drink regularly</i>	<b>ná-ki-sép-á</b> <i>I still laugh</i>		
Future <b>-ka-</b>	<b>u-ka-tum-a</b> <i>you will send</i> <b>N: ké-mu-kátóok-á-po</b> <i>you will not purify</i>	<b>n-ká-póyá-ngá</b> <i>I will hunt regularly</i>			

N14 Su-mpotu

	Perfective	Progressive
P <sub>3</sub> -a- ... -iti	t-a-hik-iti <i>we came</i>	t-a-yi-li mu-ku-l-a <i>we were eating</i>
P <sub>2</sub> -ka- ... -iti	ti-ka-hik-iti <i>we came</i>	ti-ka-yi-li mu-ku-l-a <i>we are been eating</i>
P <sub>1</sub> -Ø- ... -iti	ti-Ø-hik-iti <i>we came</i>	
	ti-Ø-hik-a <i>we come, are coming, will come</i>	ti-Ø-yi-li mu-ku-l-a <i>we are eating</i>
F <sub>1</sub> ya- ... -Ø- ... -(ay)i	ya-ti-Ø-hik-(ay)i <i>we will come very soon</i>	
F <sub>2</sub> -ká- ... -ayi	ti-ká-hek-ayi <i>we will laugh</i>	
F <sub>3</sub> -á- ... -a(yi)	t-á-hek-ayi <i>we will laugh</i>	t-á-ayi mu-ku-l-a <i>we will be eating</i>

R21 Oshi-kwányáma

	Perfective	Habitual ha-...-Ø-...-VC	Progressive	Anterior ...-VC
'Remote Past' -á-...-ile	o-kw-á-tung-ílé <i>she built</i>  N: ka-nd-a-hálúk-ile <i>I was not frightened</i>			
'General Past' -a-...-a	tw-a-fika <i>we arrived</i>  N: i-na-mu-Ø-haluka <i>ye were not frightened</i>	o-kw-á-li ha-Ø-end-e <i>she used to go</i>	o-kw-á-li tw-a-til-á <i>we were fearing</i>	tw-á-nyón-ó <i>we've destroyed</i>
Non-past tá-/há-...-Ø-VC  -ka-...á	ta-vá-Ø-yól-o <i>they laugh, are laughing, will laugh</i>  <b>há-ndí-ká-dénga</b> <i>I will (go and) meet</i>  N: i-ta-mú-Ø-haluk-á <i>ye are not frightened</i>  i-t-o-ká-món-a <i>you will not (go and) see</i>	o-há-ndi-Ø-énd-e <i>I go (regularly)</i>  <b>o-há-vá-ka-lándifa</b> <i>they usually (go and) sell</i>  N: i-ha-mú-Ø-haluk-á <i>ye are usually not frightened</i>		



## S32 Northern Se-sotho

	Perfective	Imperfective (‘be’ +) -Ø-	Habitual	Persistentive -sa-	Anterior (‘be’ +) -ile	Conditional (‘be’ +) -tlo-
Past		re-b-e re-Ø-rek-a <i>I was buying</i>  N: re-b-e re-sa-rek-a		re-b-e re-sa-rek-a <i>we were still buying</i>  N: re-b-e re-sa-hlwe re-rek-a	re-b-e re-rek-ile <i>we had bought</i>  N: re-b-e re-se-ka-rek-a	re-b-e re-tlo-rek-a <i>we would have bought</i>  N: re-b-e re-sa-tlo-rek-a
	(1) re-rék-á dijo <i>we buy, are buying food</i>  (2) re-a-rék-a <i>we buy, are buying</i>  N: ga-ré-rék-e <i>we do not buy, are not buying</i>	ré-Ø-rék-a <i>we buy, are buying, if we buy</i>  N: ré-sa-rék-e	re-rék-e <i>we buy</i> (HABITUAL)  N: ré-se-rék-e	re-sá-rék-a <i>we still buy, are still buying</i>  N: ga-ré-sa-rék-a <i>we no longer buy, are no longer buying</i>	re-rék-ile <i>we (have) bought</i>  N: ga-ré-a-rék-a <i>or</i> ga-sé-r-a-rék-a	
Future -tlo- / -tla-	re-tlo-rék-a <i>or</i> re-tla-rék-a <i>we will buy</i>  N: re-ká-se-rék-e	re-tlo-b-e/-a re-Ø-rek-a <i>we will be buying</i>  N: re-tlo-b-e/-a re-sa-rek-e		re-sá-tlo-rék-a <i>we will still buy</i>  re-tlo-b-e/-a re-sa-rek-a <i>will still be buying</i>  N: ga-ré-sá-tlo-rék-a	re-tlo-b-e/-a re-rek-ile <i>we will have bought</i>  N: re-tlo-b-a/-e re-se-ka-rek-a	