

# Egwedoko mulyo koyitji no yinhwa yokupata ayi sesupika malisiro mo Namibia

Sinzi somazana gounandima goulisiro kwamena mo yinhwa no yitji yokupata noku sesupika malisiro mo Namibiantani ayo kwa retesapo upyakadi wounene wesepiko malisiro, kwa kundama momu dona eligwederero mema gemevhu nevukiso mema gemevhu. Yinhwa yokupata ya hepa kuyi sesupika yipo asi evhu no malisiro gawape nawa noku ligwederea wayi, nye esi sirugana soku sesupika yinhwa yapata kwa kara nomukoso gepeguru. Mukoso ge sesupiko yinhwa usimbu- kusika komayovi gonodola mesunda (N\$/ha) kutwara kounene wonofarama dopangeseafa, kusika konomiliyuna donodola mofarama nazinye. Vanafarama wovasesu wokuvhura kusikisamo mukoso goku zeruka ngesi nampili moomu pwa kara mauwa goku sesupika ndi kukunga yinhwa. Nye esesupiko ndi ekungo yinhwa kugwanamo uwa unene ntudi nsene muzangu go yitji ndi yinhwa vakayipirura yikakare yinkire eyi navura kukarandesa vakagwanemo eyi navavura kukatwikilisa kukandanapo yinhwa oyo nokukagwanamo nsanso, ngamoomu ngwendi:

## Makara



Ezanguro Makara mpito zimwe zoyirugana no unangeseafa vatulisapo mo Namibia. Masesu ava ruganesa monda zosirongo, sinzi sago kuga tuma vaka garandesere ponze zosirongo, yiyo yaninkisa Namibia a kare gwa utano (5) goyirongo yomouzuni ayi randesa Makara ponze zosirongo no sivaro ngunguniko so kusika pokatji konotona 100,000 no-120,000 melima. Sinzi somakara kuga zangura ponofarama doyimuna dopaunangeseafa, pa sihonena momavega ga Grootfontein, Outjo, Otjiwarongo naOkahandja.

Makara kuga zangura varugani wopo nofarama makara kuga randesa kwava ava gawapeke noku garongera ntaninoku garandesa ponze zosirongo.

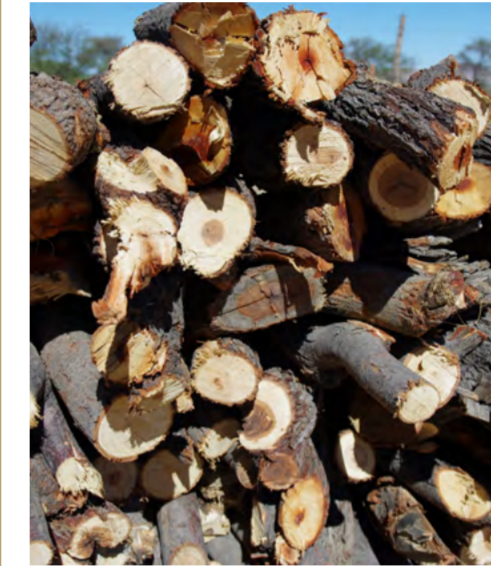
## Nondya do yimuna



Nondya do yimuna mulyo kovanafarama woyimuna nava woyikorama yomowiza. Mulyo gokukweya nondya do yimuna nokudirandesa kugava mpito zokusesupika yinhwa yokulihana nokusesupika malisiro. Marudi gokulisiga-siga go yinhwa (yitji) kuvhura kuga ruganesa konondya do yimuna; unene po nomutayi dononunu noyihako yiyo yihepwa yoyiwa mokurugana nondya dokutunda koyihwa. Maruha goyitji yoyi nene ndi nomutayi do nonene dakoka ado udigu moku ekweya mezimo, nye kuvhura kuyi ruganesa nsene kudivhonga nonondya doouhanga.

Ngendeso zezanguro negwederero mulyo kono ndya doyi muna doku tunda koyinhwa ndi koyitji kutamekera, pokuhorowora nomutayi da wapera kuruganesa ko nondya, kukweya no mahina ntani kuvhonga kumwe noyigweda monondya yokulisiga-siga (sihonena, yikwasuka yikwamungwa noyitujakiliili yoyimeno ya kara momukunda) kukwama kositambo (erero/ ezanguro/erugano nondya doyimuna) soku vhekise mulyo goyikulya.

## Yitare



Eruganeso yitare pokutereka mo Namibia sininke somulyo unene. Kwai ngungunika asi notona dokusika ko 550,000 doytiji kudiruganesa koyitare melima. Evaruro muhoko lyo mo 2011 kwa likida asi 53% zomambo mo Namibia kuruganesa yitare va terekeseke ntani 46% mokugenyekesa ko.

Elikwamo lyoyiruganesa nounangeseafa woyitare kapi va li kulika nawa. Sinzi so muhoko gwahuguvara mo yitare mokugenyeka nomokuterekesako googu gwa kara kono mukunda dokomambo. Monomukunda edi, mukoso goyitare kwagurumuka pevhu nsene kuguhetakanesa omu gwa wapera kukara pomarandesero, ntani kuyi zangura ponkedi za hana asi zopaunafabiliika ndi unangeseafa. Kwavaava tupu ava yi ruganesa mokudosa nyama nomokugenyekesa ko, mukoso kuwapa unene kovarandesi yitare wopangeseafa.

## Nopara



Nopara yido dahwa unene kudi rugana koyitji ndi yinhwa yokupata noku sesupika malisiro mo Namibia. Nopara kudi ruganesa ko kudika nonzugo dopampo no rugumbo ndi erapa. Maruha go marandesero kwa hepa nopara dokuyukilira doure nounene wongandi.

Makonakono kwa gwana asi Namibia kuzangura mokubike meta dokusika ko 334 000 (m<sup>3</sup>) zonopara melima; sosinenepo nopara doytiji dokusika komulyo go no dollar no miliyuna mbali (2) kudi reta mo mosirongo ditunde ponze zosirongo.

## Yitare yonodopi



Yitare eyi vadjama nayo yitare yimwe ava zangura po ntambo zonene zopo naungeseafa mokutunda ko yinhwa yapata noku sesupika malisiro. Ayo kwa divikwa asi "dopi zomakarai"ndi "yitare yomagogwa". Muzangu gomo Namibia go yitare yonodopi, azi rugana mberewa ndi ngesefa za Cheetah Conservation Fund zakara mo Otjiwarongo, kuyitumbura asi yisiteke yo yitare ("bushbloks"). Yitare eyi kuyi rugana mongendeso zo kukweya unene ruha royitji noku djama ndi kurudeka rukare yitare yono bloka. Yitare djama unene kuyi ruganesa mokugenyekesa ko no kuligusa mukuma ngwendi mokudosa nyama. Morwa montambo ezi ava yi djama, ayo kutwera siruwo sosire kupita yitare tupu oyo.

## Yihongwa yo yitji



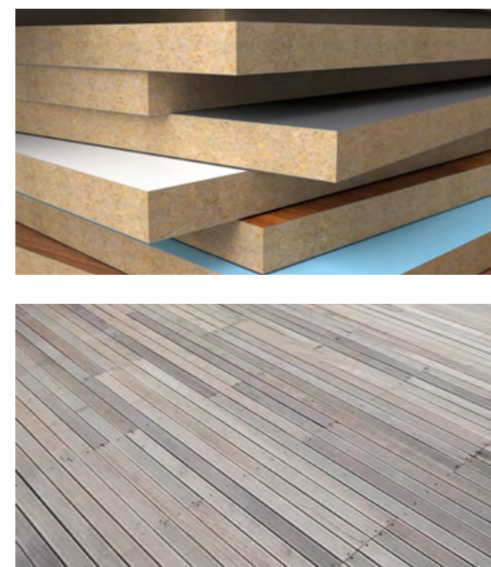
Yihongwagura yitji mpito zimwe zonunu zokuruganesa muzangu go yinhwa ndi yitji yapata po sinangeseafa. Marudi go yitji gokulisiga-siga kwa wapera kuruganesako nawa koyihongwa, ntani yitji vatunda ponze zosirongo ayilihana unene rudi avatumbura asi Prosopis kwa fumana po unene mokatji kovahongi morwa ukukutu ndi ukoli no unene wayo pedi.

Kuhonga yininke varuganesa ko yitji kwa tunda ko kakuru kanare mo maruha go sirongo mo Namibia ntani udivi kwa lihana.

Yihongwa kwa kara no mulyo go kuyiruganesa, pa sihonena yinkongo yo tuyiga to kuterekeru, yiyaha ndi yo mulyo go kuwapayikisa.

Yihongwagura kwa kara nompito zo yiwizamo yo kuzeruka nye kwa kara no zomarandesero goma masesu.

## Yihepwa yo kutungisa

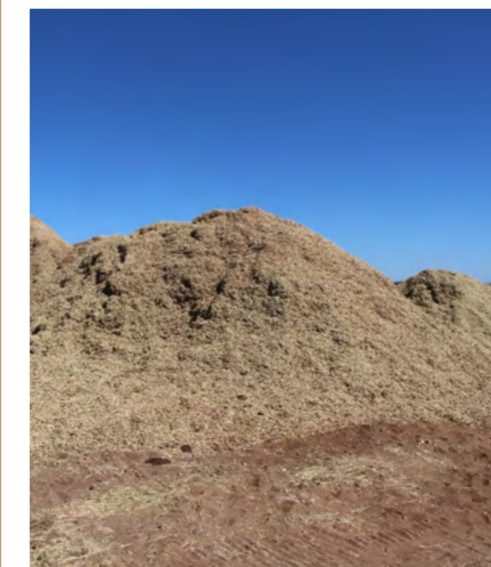


Yidikisa yokotji kuvhura kuyi ruganesa momarupe gomanzi monda zomarupe goma nene gavali; nodopi /nositeka doytiji ntani maboroda/yipirangi.

Yihongwa ndi yiruganesa sinzi sayo kuyiruganesa koyitji ndi no samende, ngamoomu nodopi dokukora ndi domakero, ntani makuma gokudikisa koyi yipirangi. Kuyiruganesa pontunda mokutunga ngwendinonkondwa, nontara, ehagaro lyezwi lyo matungo., efuwiso ekuma, ekumbo ndi eturo yipereki, eturo yipirangi yokuvatera samende zontarara, unene po momaborode gokupata nakauke gokuvatera ehatakano ndi eyukiliro.

Yidikisa kuvhura kuyiruganesa moku yikupakakana yitji noyipurasitika, eyi ya divikwa asi yiruganeso pakakano yoyitji noyipurasitika. Yiruganesa yangesi kwa wapera kuyiruganesa yi tunde koyihupwa gweyi ava saha noyikwa purasitika ntani kuvhura kuyi ruganesa pevhu monda zetungo ndi mokufuwisa etungo.

## Yivambi yoyitji



Kuruganesa yinhwa no yitji yokupata ayi sesupika malisiro koyinkwa rutjeno kwa kara no mpito zo mutompo mo Namibia. Yinhwa no yitji yokupata ayi sesupika malisiro kuyi zangura pononkedi dokuruganesa nomahina noku yi rugana yi kare yivambi yokuhetakana. Nompito deruganeso kwa hamenamo yinkwa rutjeno kuruganesa pa fabrika ntani muzangu go rutjeno (rutjeno rorusesu ndi rorunzi).

Mo Namibia nongeseafa mbali nare da tulisa mavango go kurugana rutjeno rokutunda ko yiruhupwa yo yoyitji (Ohorongo Cement na Namibia Breweries). NamPower ngesi kuna kukonakona nompito no mutompo gono fabrika do marutjeno rokutunda koyiruhupwa yo yimeno, eyi yina kuliza nongendeseseveta za Namibia ezi va tulisapo zorutjeno ro kuruganesa koyininke yovhura kutengwidirapo (Renewable Energy Policy for Namibia).