

Resource Material for Homestead Food Gardeners

Chapter 5: Handouts (isiZulu)

Handout 1 Ukonga nokusebenzisa amanzi (Saving and using water)

1. Ukonga nokusebenzisa amanzi



Onke amanzi avela emvuleni. Uma sihlala ezindaweni lapho elingani khona kakhulu noma eliba nesikhathi eside ngaphandle kwemvula, sidinga ukuziqoqela thina amanzi. Amanzi siwaqoqela ukuthi sihlale sinamanzi isikhathi eside.

Ukuqoqa amanzi kungenzeka ngezindlela ezingana:

- ❖ Sibamba amanzi emvula
- ❖ Songa lawomanzi esinawo.
- ❖ Sibambe nalawo agelezayo

Ukubamba amanzi emvula

Lapha sehlisa ijubane lamanzi, ukuze amanzi amunceke enhlabathini. Lapha ngezansi siyakhombisa ukuthi lokhu singakwenza kanjani ezingadini kanye nasemakhaya ethu.

- ❖ Faka imfucuza enhlabathini. Sikhulumile ngalokhu ngenkathi sixoxa ngokulungisa inhlabathi yakho kanye nasekwenzeni izinhlobo zemibhede, kulelibhuku.

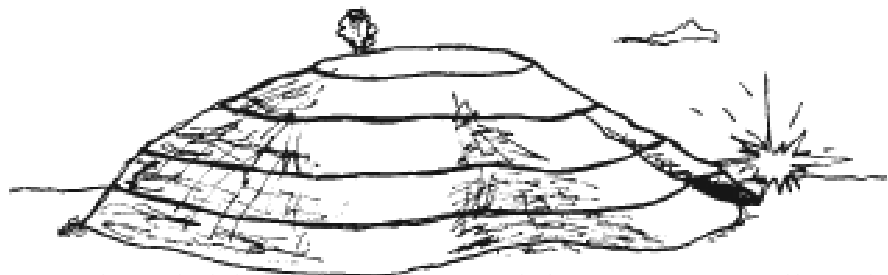
- ❖ *Isembozo senhlabathi (mulch)*. Likhona futhi uhlangothi oluxoxa ngalokhu kuleli bhuku.
- ❖ Inhlabathi yakho kufanele ukuthi ihlale yembozwe yizitshalo ezimilile. Sebenzisa izitshalo okuthiwa ngama "ground covers" izihlahla ezimfushane kanye nezinde.
- ❖ Vikela inhlabathi yakho emoyeni onamandla. Bona kulelibhuku ingxenye ekhuluma ngokuvikela indawo emoyeni kanye nasesithathweni.
- ❖ Uma ingadi yakho isendaweni eyintaba noma eyiqele, imibhede yakho kufanele yakhiwe inqume kabili. Lokhu kuzokwenza amanzi angagelezi ehlele ezansi umathanda, ngoba lokhu kungayigugula.
- ❖ Ukwakha imibundu ezokwakhiwa inqume kabili entabeni. Lokhu kunciphisa ijubane lamanzi, futhi liwamise ukuze azike angene anhlabathini.
- ❖ Ukwakha ama "swales". Lemibundu lapha yakhiwa ngenye indlela. Lokhu kuchaziwe lapha ngezansi.

Imibundu (contours)

Imibundu lena yenziwa inqume kabili entabeni, noma eqeleni ihambisane nokuma kwentaba (contour line).

Uma kwakhiwa

lombundu onquma kabili entabeni kulandelelwa omaka ababekwa ngokulandelana ukuze lemibundu ikwazi ukubamba amanzi ngendlela efanele, ingabheki ezansi.



Isithombe esikhombisa imibundu eyakhiwe endaweni eliqele ngendlela yokuthi ingachithi

Indlela yokubona ukuthi umbundu kumele wakhiwe kuphi entabeni

Ungasebenzisa i A-frame uma ufuna ukuthi umbundu wakho owenzayo unqume kabili entabeni ngendlela engabhekile ezansi, engenakuwachitha amanzi.

i aframe yakheka kalula kabi:

1

Thatha amapali amabili alinganayo ngobude, bese uhlanganisa amachopho awo ngocingo noma ngendophu.



Okudingekayo:

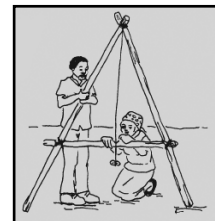
Amapali amabili angamamitha
amathathu ubude;
Ipali elilodwa elingamamitha amabili
Ucingo noma indophu
Itshe elincane



- 2 Thatha ipali lesithathu ulinqumise kabili, kusukela ubudeni obungangemitha kusukela ezansi.



- 3 Bophela indophu ilenge lapho kuhlangana khona amachopho amapali amabili. Bophela itshe ngezansi ukuze intambo ilenge idonseke. Uma ilenga intambo, itshe kufanele libe sezansana kwepali elinqume kabili. I A-frame yakho yibambe ime endaweni eyisicaba. Uma usukwenzile lokho kufanele ufake uphawu lapho intambo ethinte khona epalini elinqume kabili. Lokhu kufanele kubemaphakathi naphakathi nobude bepali elinqume kabili.

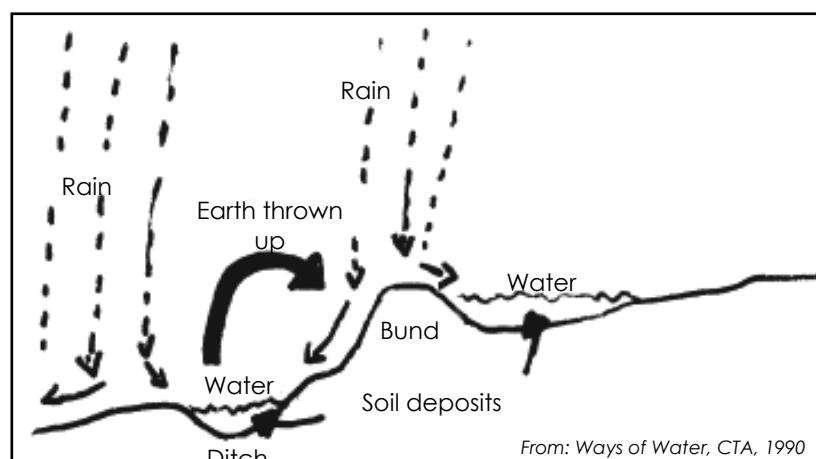


Isetshenziswa kanjani I A-frame:

- 4 Thola indawo elinganayo (level) ekuqaleni kwalapho ofuna ukwenza khona umbundu (contour). Uma usuyithole kahle lendawo, shayela izikhonkwane lapho kumi khona imilenze yomibili ye A-frame. Emuva kwalokho susa umlenze wangakwesobunxele uwuse phambili. Uma usuwumisa futhi umlenze phambili, wubeke phansi uma intambo elengayo isiqondene nalapho owenze khona umaka epalini elinqume kabili. Uma sekunjalo bethelela isikhonkwane esilandelayo. Qhubeka uhambisa imilenze ngalendlela uze uqede ukwenza umaka lapho umbundu wakho oyohamba khona.

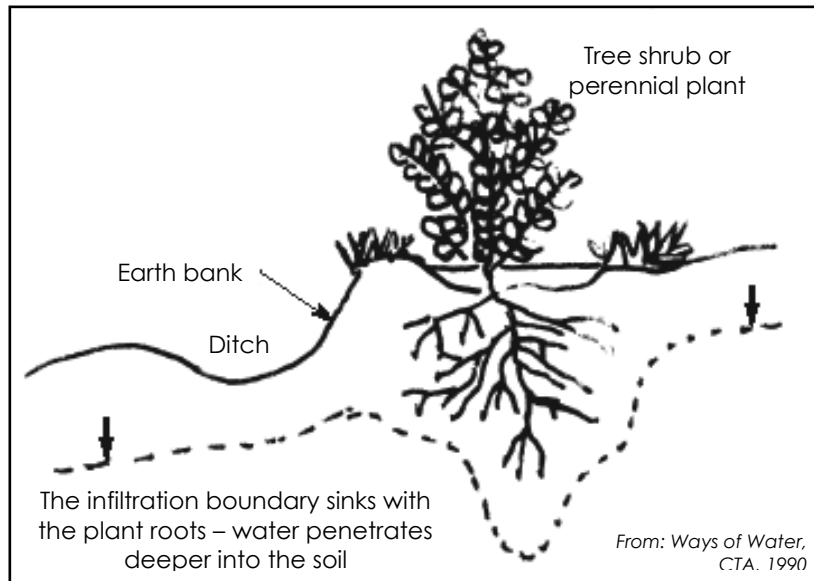


Uma usuwakha umbundu uqobo lwawo kufanele umbe lapho odwebe khona ngenkathi usebenzisa I A-frame. Inhlabathi oyimbayo kumele ibe ngenhla komsele. Ukujula komsele kumele kube ngu 30 cm



ukuya phansi, futhi ivuleke ngo 30 cm. Uma lina izulu, imvula izobambeka ngenhla kombundu kanye nasemseleni uqobo. Amanzi azobambeka aze azike esikhundleni sokuthi agelezele ezansi. Njengoba nenhlabathi ikhukhuleka ngenhla kombundu, kugcina sekukhandeke nethantala lamanzi elincanyana. Lelithantala lamanzi lithatha isikhashana ukuthi linyamalale.

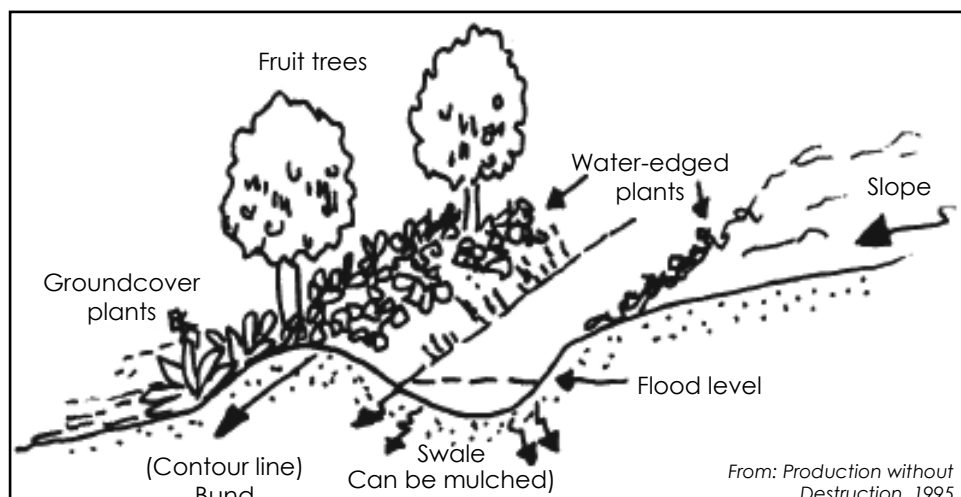
Kubakuhle ukuthi ngenhla kombundu lapho kuma khona amanzi kutshalwe izitshalo ezithanda amanzi. Lokhu kuyasiza kakhulu ekubambeni inhlabathi embundwini. Kusiza futhi izitshalo zakho futhi ngamanzi. Lena yindawo ekahle impela ekutshaleni izithelo kanye kanye namakhambi. Bona futhi ikhasana elichaza ngokuvikela izitshalo emoyeni kanye nasezithathweni, ngoba



kukhona nokunye okwengeziwe okumayelana nezitshalo ezikahle ezingatshalwa. Njengoba imisele iye igcwale inhlabathi ngokuhamba kwesikhathi, kuye kudingeke ukuthi ibuye ikhishwe ukuze umsele wakho uhlale ukulungele ukwenza umsebenzi wawo.

Ama Swales

Ama "Swales" kanjalo nawo ayimibundu eyakhiwa inqumise kabili entabeni. Umehluko lapha ukuthi inhlabathi ikhishwa ithelwe



ngezansi, hayi ngenhla. Lena yindlela ekahle yokubamba amanzi endaweni yakho. Ngalendlela amanzi ungawabamba ngokuphindwe kabili uma uqhathanisa nemibundu (contours) echazwe ngenhla.

Ama "swales" awaholeli ekuthini ugcine usunamachitshana njengoba kwenzeka kulokhu okuchazwe ngenhla. Izindonga zama "swales" zitshalwa izitshalo ezithanda amanzi, kanye nalezo eziphila isikhathi eside. Uma kuya ngokuya kugcwala inhlabathi emseleni, kuye kufuneka ukuthi ibuye ikhishwe.

Izindonga zemibundu kufanele ukuthi zakhiwe ziphakame ukuze amanzi angeqi nangeswa ngaphezu kwayo. Uma kukhona ingozi yalokhu, kumele ukuthi kwakhiwe indawo yokuwachitha amanzi. Lokhu kuzokwenza ukuthi amanzi angezi mawala ukuya ezansi.

