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The U.S. Government's Global Hunger & Food Security Initiative

# Randa mai sanyi ta aajiyar kayan lambu

Jagora mai tattare da yadda ake amfani da tattalin tulun zamani mai rike sanyi.

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## Dan mi ake amfani da tulun zamani mai riƙe sanyi na zamani?

Amfani da sabuwar husa'ar zamani ta hanyar tulu mai sanyi na taimaka wajen rage gurɗacewar kayan gona.

- Rage hasara bayan girbe albarkar gona
- Rage yawan zuwa kasuwa
- Rage kashen kuɓi tare in anyi adadono mai kyau
- Samuwar éan itace da kayan ɓanyi ingantattu kowane lokaci

Djiguiba Boureima (gauche) et Kadidia Nienta (Droite) assemblant un pot de refroidissement par évaporation en argile à Samanko, Mali; Crédit photo:: Ba Germain Diarra

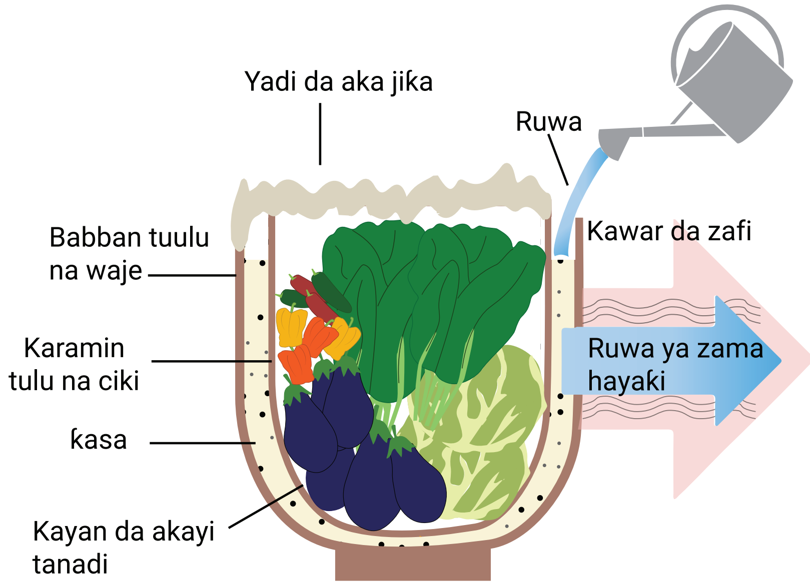


## Yaya wannan tulun mai riƙƙe sanyi na zamani yake aiki?

Ana gina tulun sanyi na zamani don sanyaya yanayi ta hanyar heshin ruwa wanda zai bada damar ajiye yan itace da kayan ɓanyi.

- ƙasa mai ɓanyi da ake sawa tsakanin tulun da robar da ake girka ta yakan riƙe éan itace da kayan ɓanyi kamar yanda suke.
- Bahun garara ko yadi mai riƙe ruwa da aka yaɗa yakan hana saurin ɗacewa.

Gauche: Djiguiba Boureima; Droit: Kadidia Nienta; Crédit photo: Djiguiba Boureima



# Kaloli

## Randa cikin randa

- Tulu yakan iya zama ta laka, roba ko ta karfe.
- Tulu na biyu ya zama na laka tare da yin sa babba da barin hilin centimeta 5 ko 3 tsakanin sa da na farko don sa kasa.

## Randa cikin roba

- Tulun ciki yakan iya zama na laka kuma ayi ma shi makama kamar irin na tulun da ake sama ruwa.
- Ya kamata Robar da ake girka tulu a ciki ta ɓan fi tulun faɓi da kamar centimeta 3.

## Randa cikin kasko

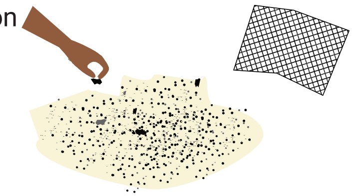
- Tulun sanyi na zamani, ya na na suffa kamar koriya.
- Ya kamata baron lakar da za a girka tulu a ciki ta ɓan fi tulun faɓi da kamar centimeta 3.

# Gyara lakar yin tulu

Ya kamata a hidda tsakuwa da kura don ganin lakar yin tulun zamani mai sanyi za ta iya riƙe ruwa don samar da sanyi.

## Hidda manyan tsakuwa

- Yana da kyau hidda tsakuwa da duwatsu don kar su ci wuri.
- Akan iya hidda tsakuwa da hannu ko matankaɓi.



## A hidda laka mai kura

- Yana da kyau a gyara lakar yin tulu yanda ya kamata don kar kura ta rife kohohin tulun.
- Ana iya hidda ƙura ta hanyar amfani da yadi ko hita.

## Hita

Domin hidda ƙura da ke cikin ƙasa, sai a ɓaga roba daidai tsahon mutun don hecewa kan yadin da aka shinfiɓa ga ƙasa.

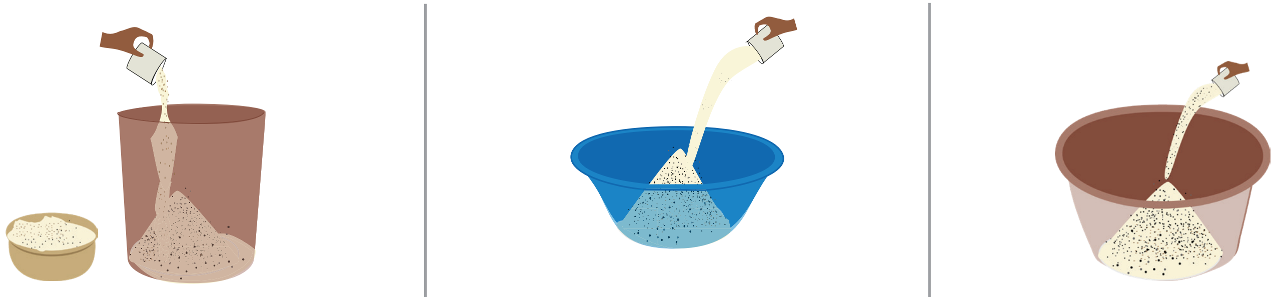
# Haɓa tulun zamani mai sanyi

Yana da kyau a haɓa tulun wurin da za a amfani da shi don saboda abune mai wuyar gurgusawa don tarin nauyin sa.

Randa cikin randa | Randa cikin roba | Randa cikin kasko

## 1. A lumka ruɓin ƙasa

- Sannan yana da kyau a zuba ƙasa cikin robar da za a girka tulun.
- ƙasar za ta iya zama busassa ko lanya.

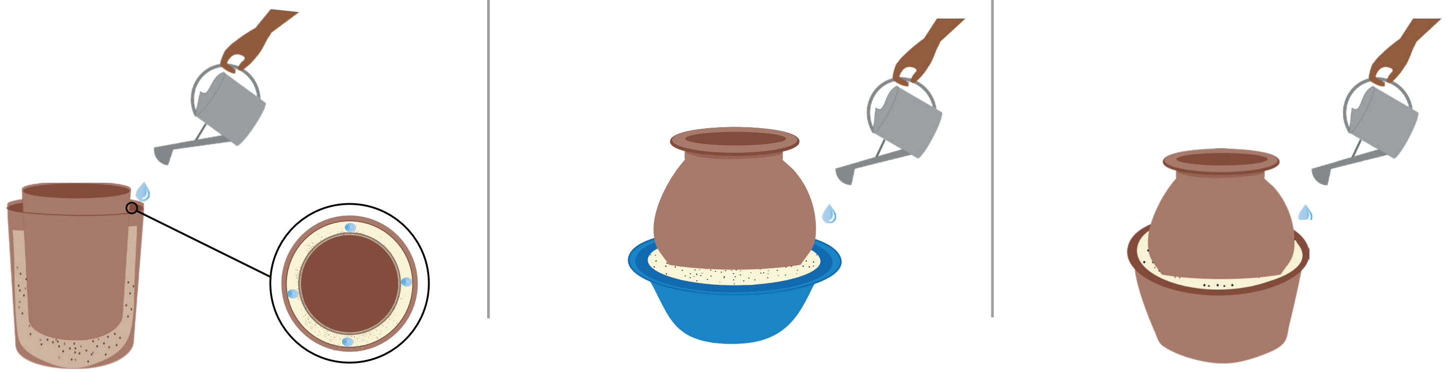


## 2. Sannan a sa ta da ga cikin robar

- A daidaita tulun da iya daidai ƙasar da aka sa sannan a kara cike robar da ƙasa don matse tsakanin tulun da robar.
- Mutun ya tabbatar da tulun yaﬁ robar tsawo ko da da centimeta 2.

## 3. A rinka jiƙa ƙasar

- A sa ruwa sosai don ganin ƙasar ta jiƙa sosai.
- Don gane cewa ruwan ya yi sosai, yana da kyau a dauki sekonni kamin ƙasar ta shanye ruwa.
- tulun sanyi na zamani, ya na na suffa kamar koriya.

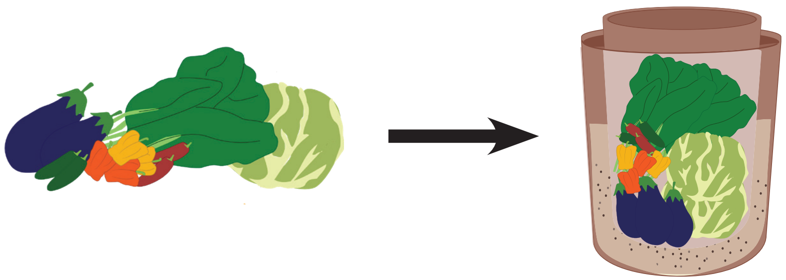


# A cika tulun zamani mai riƙe sanyi

Yana da kyau a duba kayan ɓanyi da éan itacen da nagartar su kahin ake sanya su cikin tulun zamani mai riƙe sanyi (su kasance ba ƙwari ba dauɓa).

## Tanadin éaéan itace da kayan ɓanyi

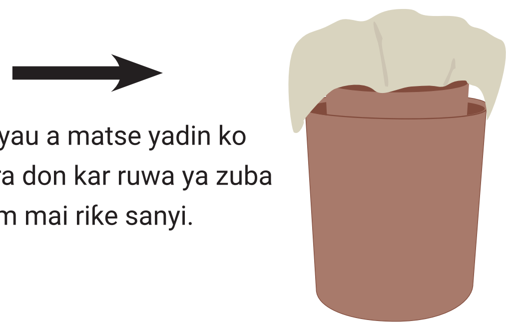
A ajiye éaéan itace da kayan ɓanyi cikin tulun tare da tabbacin cewa kayan da aka ajiye suna haɓuwa ba tare da illaba.



## A lulluɗe tulun zamani mai riƙe sanyi

A jiƙa yadi ko buhun garara, sai a rihe tulun da ga sama ba tareda ambar wata huduwa.

Yana da kyau a matse yadin ko buhun gara don kar ruwa ya zuba cikin Tulum mai riƙe sanyi.





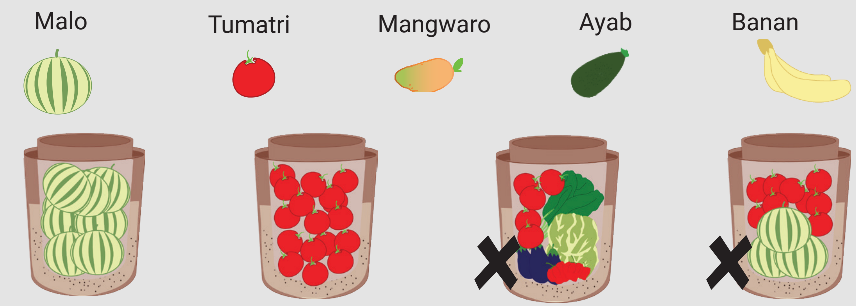
# Yana da kyau a sani

Waɓannan shawarwarin na taimaka wajen yin ajiyar kaya cikin tulun zamani mai riƙe sanyi.

## Manoman kayan ɓanyi (tumatri, malo, mangwaro da ayaba)

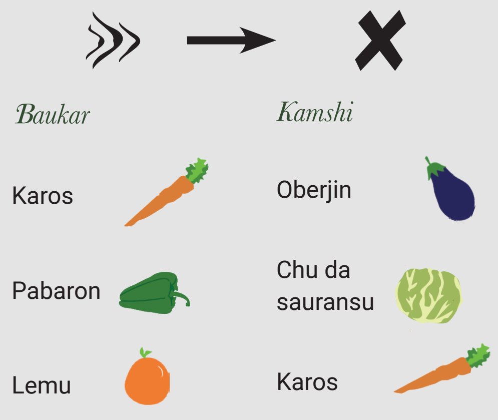
Ire-iren éaéan itace ma su gase da ke iya ɗata sauran éan itace kuma da ke saurin ɗacewa.

Waɓannan éaéan itacen ya kamata ayi tanadin su daban ɓaya bayan ɓaya:




## Ɓaukar/ Kamshi

Waɓan su éan itacen sukan baza iskansu ga wasu har zuwa canza ɓanɓanon su.

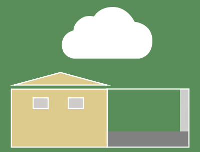



## Ba sa zuwa

Yana da kyau a kiyaye tanadin éaéan itace da kayan ɓanyi masu saurin lalacewa in ɓanyi yayi yawa.

# Kula da tulun zamani mai riƙe sanyi

Kula da wannan husa'o'in don samun amfani da wannan husa'ar tulun zamani mai riƙe sanyi:



**Innuwa** — Ya kamata a ajiye tulun wuri mai sanyi da innuwa tare da kiyayewar hasken rana.

**Jiƙa wuri** — Da yadi da ƙasa su zama ko da yaushe jiƙe.kuma azuba ruwa kowace rana.

**Marhi** — A lulluɗe tulun da yadi ko buhun garara da aka ruɗanya sau biyu zuwa hiye da haka.

**Tsabta** — Ya kamata tulun ya kasance cikin tsabta kuma a riƙa gogeshi kai a kai.

**Samun iska** — Yana da kyau a ajiye tulun wurin da iska ke kaɓawa da kyau.

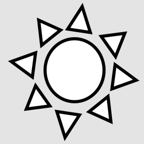
**Amfani** — Ya kamata a kula wajen ajiyar kayan ɓanyi da éan itace a sa waɓan da ke haduwa wuri guda don gudun ɗacewa.



## Don yin tulun zamani mai riƙe sanyi da zai yi aiki sosai, ya kamata a kula da:

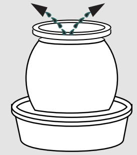
KAR A

**KAR A** ajiye tulun cikin rana ko ga hasken rana.



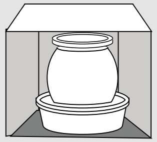
**KAR A** bar ƙasar ko buhun garara su bushe.

**KAR A** bar tulun buɓe.

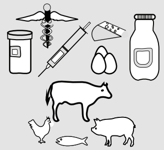


**KAR A** bar ƙura ko dauɓa su taru.

**KAR A** ajiye shi wurin da babu iska sosai.



**KAR A** ajiye nama ; magani, ko allura da kuma kayan da ke ɗacewa da wuri in ɓanyi yayi yawa irin su albasa da sauran su.



Formation sur les canaris refroidisseurs sur le site de la Société Coopérative de Nyeleni à Mopti, Mali
Crédit photo: Djiguiba Boureima

**Couverture:** Oumaro Barry avec les pots de refroidissement par évaporation en argile au Burkina Faso; Crédit photo: Peter Rinker; Page 3: Schéma canari refroidisseur basé sur le travail de Peter Rinker, Movement e.V.

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This work is adapted from *A Guide to Assembling, Using, and Maintaining Clay Pot Coolers* published by MIT D-Lab and available at dlab.mit.edu/clay-pot-cooler-guide.

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