

# Oinsá atu kuda liis

Matadalan ba to'os-na'in sira







## Kona-ba matadalan ida ne'e

Matadalan simples ida ne'e dezenvolve bazeia ba esperiénsia ne'ebé hetan liuhusi implementasaun iha kampu ho to'os-na'in sira. Ami espera katak liu husi matadalan ida ne'e bele ajuda to'os-na'in sira fasil atu kompriende rekomendasaun téknika ne'ebé iha hodi prodús sira nia liis.

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# Prepara rai

Tau materia orgániku iha rai atu nune'e bele fó  
nutriente ba rai no hodi hetan produsaun liis ne'ebé  
di'ak.

1



Fila rai depois tau ai-tahan iha okos, hanesan ai-turi, lamtoro, tetonia,  
gamal no sira seluk tan. Depois taka fila fali ho rai.

2

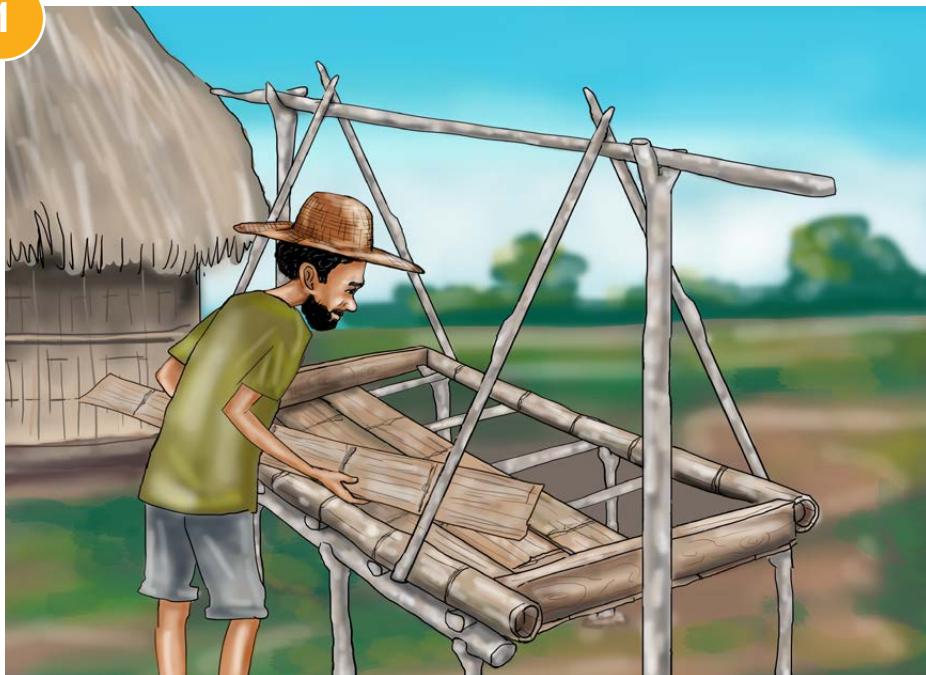


Nahe ai-tahan iha okos molok hasa'e kantadeiru atu nune'e bele dodok iha rai okos. Hodí nune'e tinan tuir mai wainhira fila rai, ai-tahan ne'ebé dodok ona iha rai okos bele fila fali ba rai leten.

# Prepara viveiru

Atu hetan liis oan ne'ebé forte no uniforme, dalan di'ak liu mak prepara uluk viveiru molok halo transplanta (kuda) ba kantadeiru.

1



Halo viveiru uza material lokál ne'ebé iha hanesan ai, au, nsst.

Fatin ne'ebé atu halo viveiru ba tenke loron matan kona direta atu nune'e liis oan moris di'ak no buras. Wainhira iha mahon okos liis oan sei moris sa'e loos de'it no fraku.

# Halo misturasaun média

Wainhira atu halo viveiru presiza prepara misturasaun média ne'ebé di'ak atu nune'e liis oan bele dezenvolve ho di'ak, buras, no fasil atu fokit sai ba transplanta.

2



Hare kulit

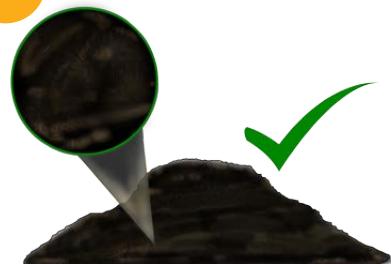
3



Sunu hare kulit

**Tip:** Tau rede iha klaran, hamonu surat tahan iha rede laran no sunu surat tahan ne'e atu nune'e ahi bele han hare kulit ho neineik. Dalan seluk bele sunu iha bidon.

4



Sunu halo metan de'it (anar)

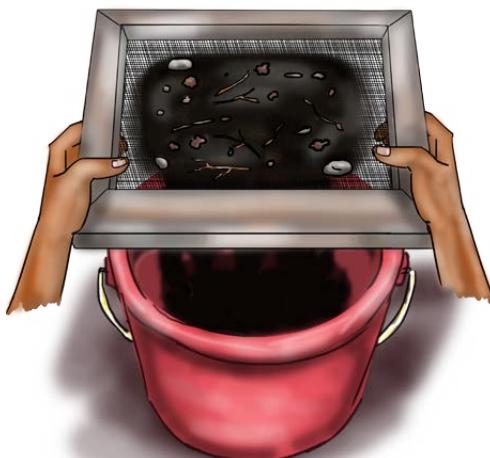
5



Labele sunu to'o uut

# Uza misturasaun média

6



Piñeira kompos uza  
rede atu nune'e  
rai kafuak ka fatuk  
ruma labele kahur  
iha ne'e.

7

HARE KULIT SUNU



+

KOMPOS



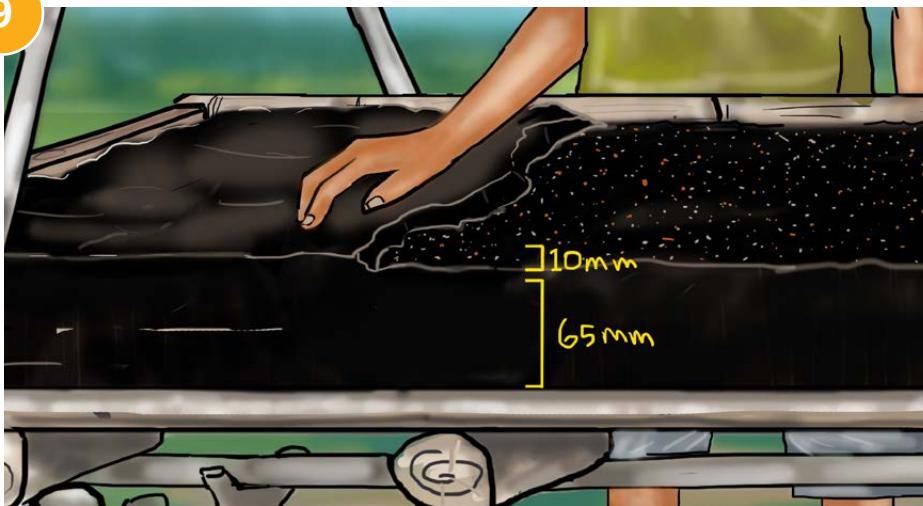
Tau hamutuk hare kulit sunu (balde isin 2) ho  
kompos piñeira (balde isin 1).

8



Tau misturasaun média iha viveiru fatin ho kle'an 75mm (7.5cm).

9



Kari fini liis musan ba viveiru ne'ebé tau ona misturasaun media 65mm, no taká fali fini ho misturasaun media 10mm, hodi kompleta viveiru nia kle'an (75mm).

# Proteje no mantein viveiru

10



Bele proteje viveiru husi anin, satan buat ruma iha sorin maibé loron matan tenke kona.

11



Hamoos du'ut fuik sira ne'ebe moris besik viveiru atu prevene moras no peste ataka ba liis oan.

# Rega iha viveiru

1

Liis oan presiza bee ne'ebé suficiente atu moris no dezenvolve iha viveiru.

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Rega minimu dala rua (dadeer tuku 8 no meiudia tuku 12) no karik presiza, bele rega mós iha loraik (tuku 3).

Asegura katak bee tenke sulin tun to'o okos (haree bee turuk tun husi hadak okos).

Wainhira atu rega, haree uluk lai karik rai sei bokon lalika rega beibeik atu nune'e liis oan labele bokon liu (liuliu iha loron hirak ne'ebé foin kari liis musan no liis oan foin moris).



MEIUDIA TK.12

(LORAIK TK.3)



# Prepara kantadeiru

Rai ne'ebé prepara ona presiza hasa'e kantadeiru ho nia **aas 25-30cm, luan 1.20m**, no naruk depende ba luan área.

1



Hamoos du'ut fuik sira ne'ebé moris iha kantadeiru laran, hasai fatuk, no seluk tan.

2



Tau kompos 5kg iha kada  $1\text{m}^2$  iha kantadeiru no kahur halo hanesan ho rai.

3



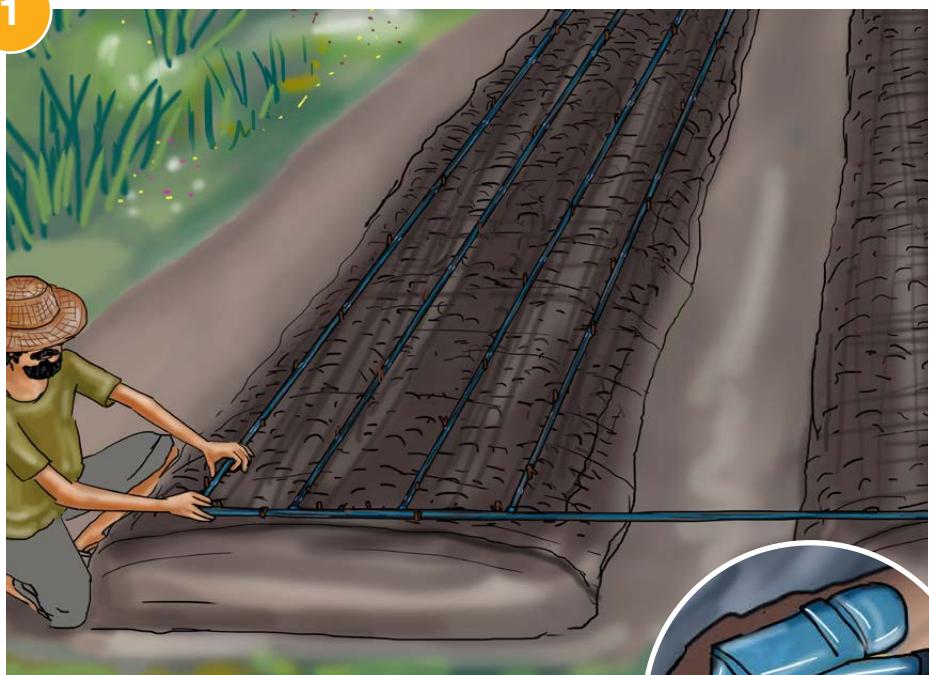
Harahun kompos no rai ne'ebe kahur hamutuk ona no hatetuk halo hanesan.

# Irrigasaun turuk

Uza irrigisaun turuk di'ak tanba fahe bee ba liis oan iha kantadeiru laran ho kuantidade bee ne'ebé hanesan.

Irrigasaun turuk mós hamenus ita nia servisu hodi rega bee.

1

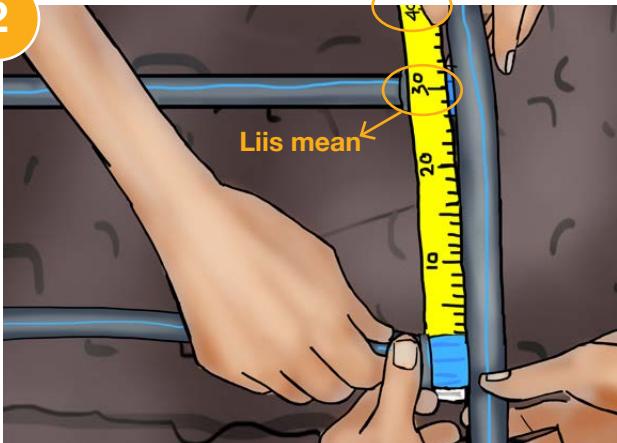


Halo instalasaun irigisaun turuk.



SEMPRE UZA FILTRU  
HODI HAMOOS BEE

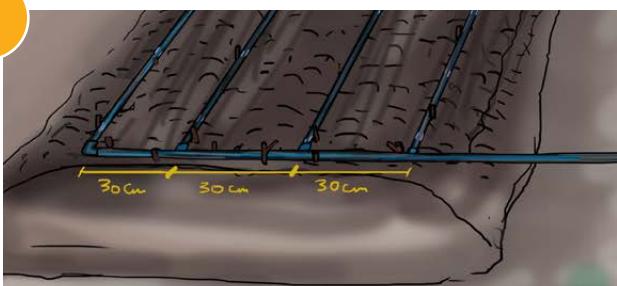
2



Hatuur mangeira turuk ho loos, nia separasaun 30cm ba liis mean no 40cm ba liis Bombay.

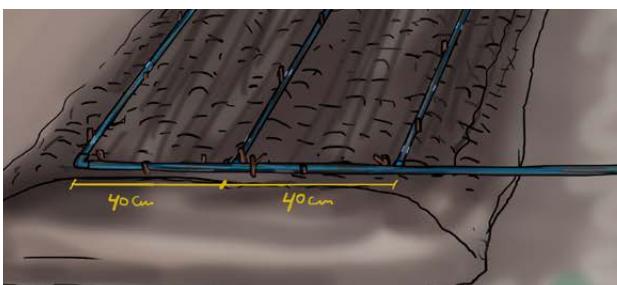
Asegura katak kuak ne'ebé bee atu sai ka riska azul tenke hatuur iha leten.

3



### Liis mean

Hatuur mangeira turuk 4.



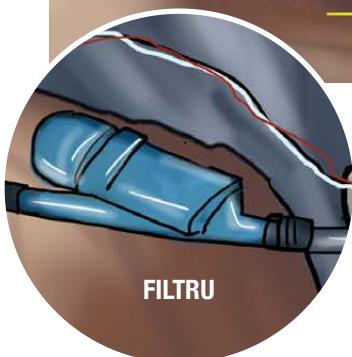
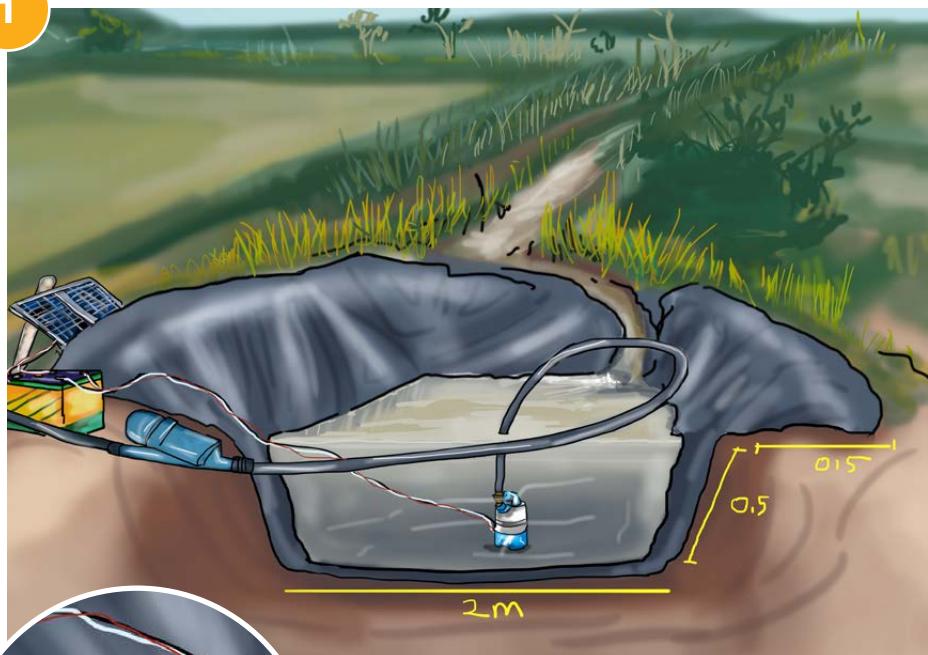
### Liis Bombay

Hatuur mangeira turuk 3.

# Mini-dam

Bele uza *mini-dam* atu akumula hamutuk bee hodi distribui ba mangeira turuk. Iha rai tetuk presiza uza mós bomba hodi supa bee. La presiza uza bomba se karik gravidade bee aas.

1



Tenke uza disku filtru molok hatama bee no fertigasaun liu husi mangeira turuk.

Disku filtru nia funsaun hodi ta'es foer ne'ebé iha bee, atu nune'e labele intupidu iha mangeira turuk.

# Transplanta

Wainhira liis oan completa ona nia maturidade iha viveiru, prontu ona atu transplanta.



Ba liis mean maizumenus semana 5-6.

Ba liis Bombay maizumenus semana 6-7.

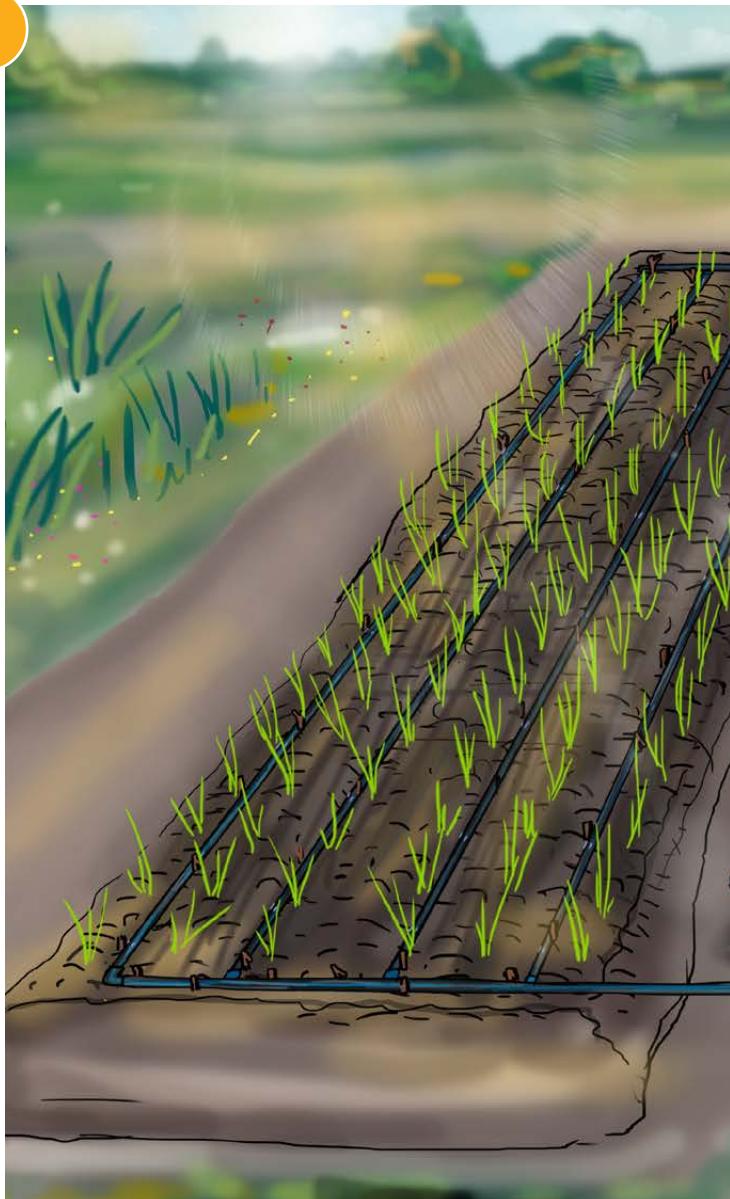
# Transplanta

2

Hatama bee ba  
kantadeiru molok  
atu kuda liis.

Kuda iha parte loraik  
(tuku 3 ba leten).

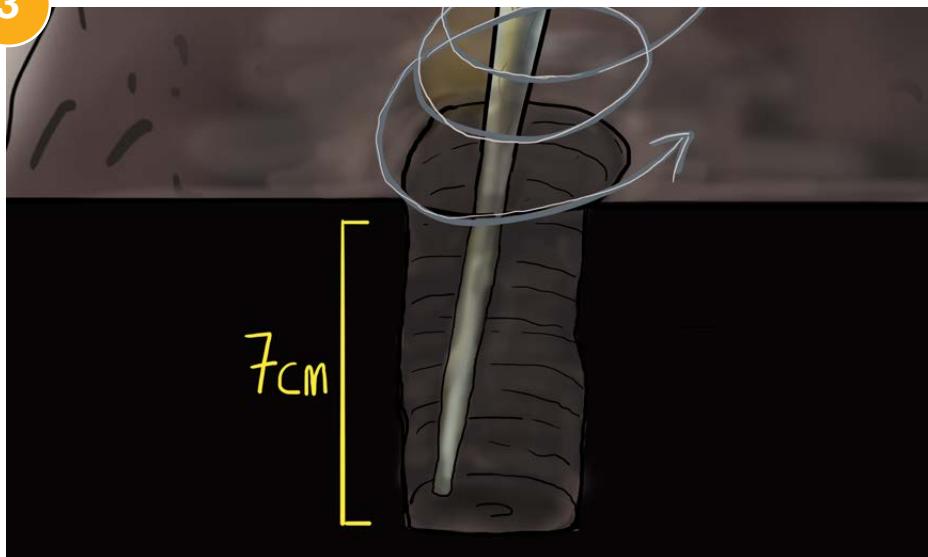
Kuda hotu hatama  
fali bee.





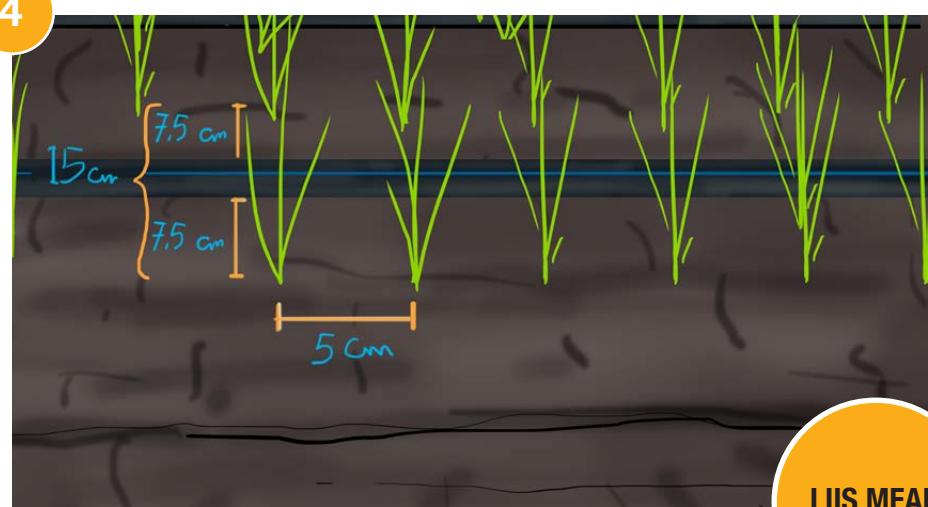
# Transplanta

3



Halo kuak ho kle'an 7cm.

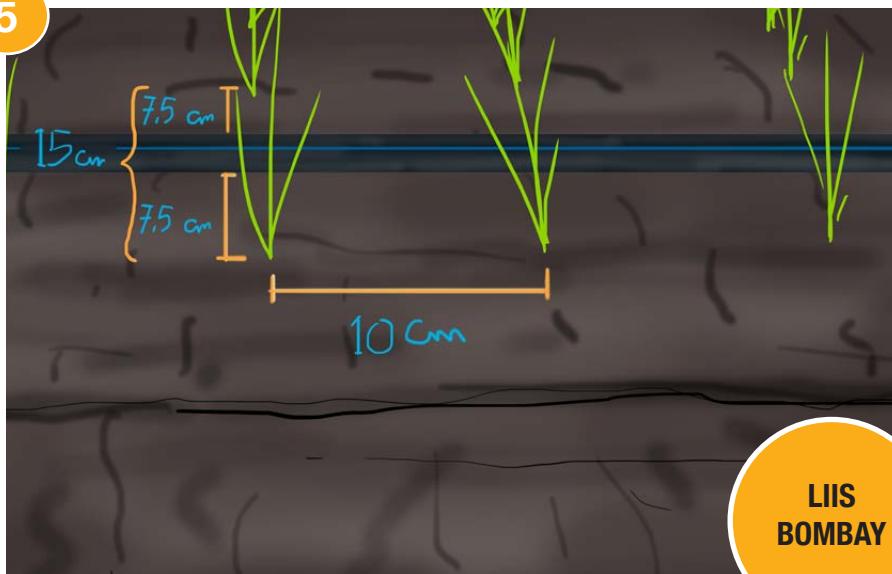
4



LIIS MEAN

Kuda ho espasu 7.5cm husi mangeira turuk no 15cm  
husi lina liis oinmai. Kuda ho espasu 5cm.

5



LIIS  
BOMBAY

Kuda ho espasu 7.5cm husi mangeira turuk no 15cm  
husi lina liis oinmai. Kuda ho espasu 10cm.

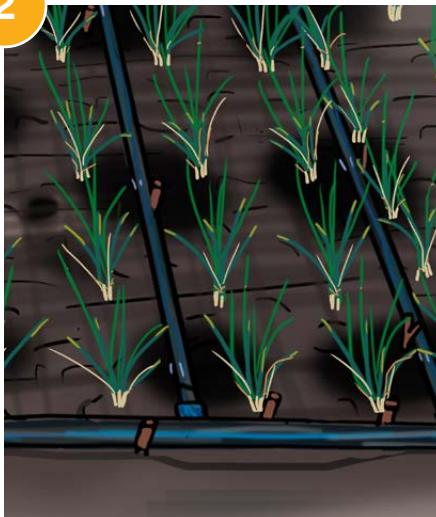
# Rega bee

1



Kontrola bee liuhusi torneira hodi distribui bee ba kantadeiru sira, taka loke wainhira presiza.

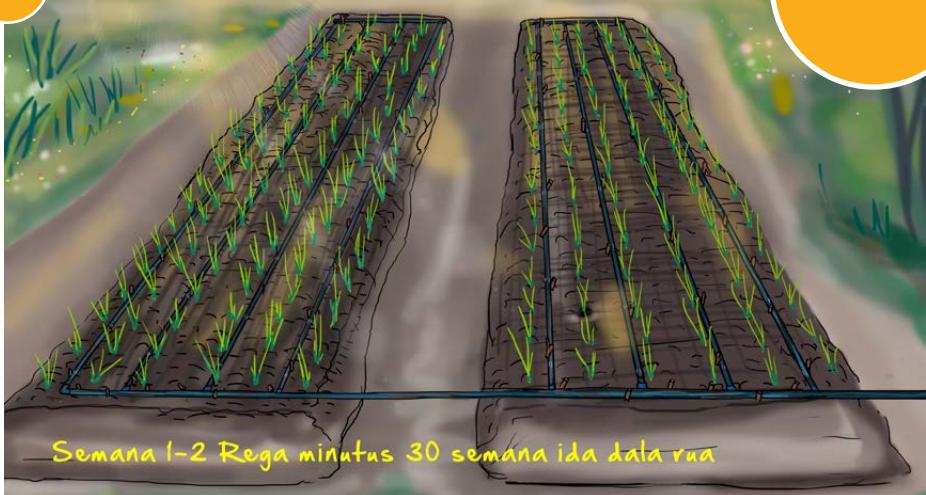
2



Maski haree husi parte rai leten la bokon hotu, maibé iha okos bokon ona, se karik mangeira turuk funsiona ho di'ak.

3

SEMANA 1-2

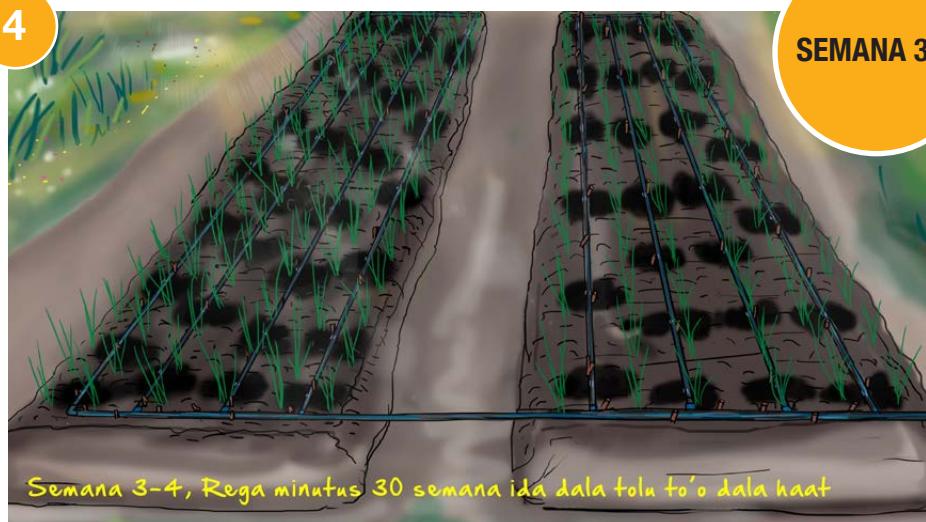


Semana 1-2 Rega minutus 30 semana ida dala rua

Wainhira liis oan halo semana 1-2, hatama bee ho durasaun minutu 30 semana ida dala rua.

4

SEMANA 3-4



Semana 3-4, Rega minutus 30 semana ida dala tolu fo'o dala haat

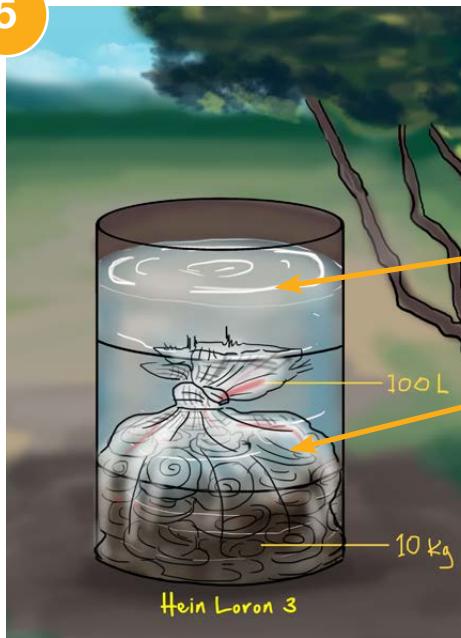
Wainhira liis oan halo semana 3-4, hatama bee ho durasaun minutu 30 semana ida dala 3-4.

# Fertigasaun no bee

Liis oan presiza suplementa nutrisaun hodi dezenvolve ho di'ak no hetan produsaun ne'ebé di'ak. Dalan ida atu suplementa nutrisaun mak liuhusi fertigasaun.

- Hatama fertigasaun liuhusi mangeira turuk ne'ebé fornese bee ba liis.
- Tau mangeira turuk ba balde ne'ebe enxe ona fertigasaun no kontrola liuhusi torneira hodi fornese ba liis oan.
- Tenke uza disku filtru hodi ta'es foer sira iha fertigasaun been atu nune'e labele intupidu iha mangeira turuk.

5



## PREPARA FERTIGASAUN

Tau karau teen iha sakú no hoban iha bee durante loron 3 hafoin bele uza.

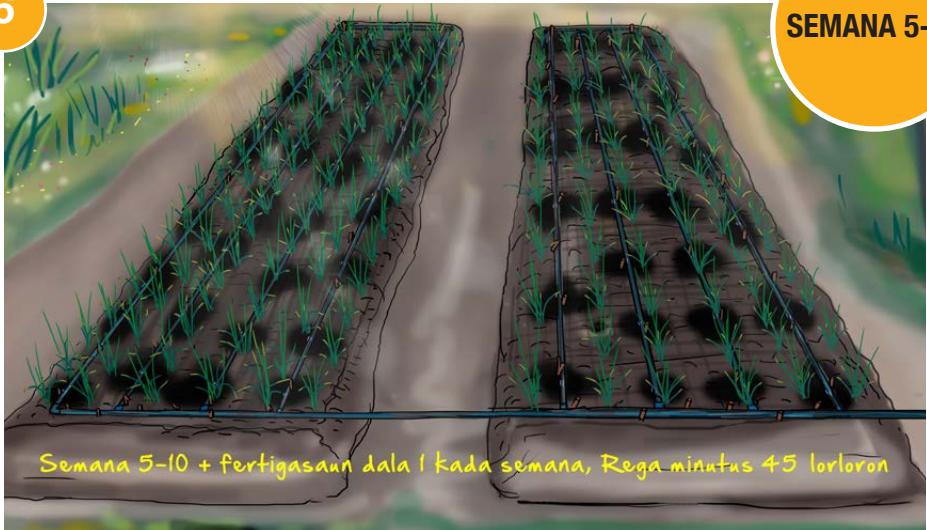
Bee

Karau teen

Fertigasaun ne'ebé prepara ona bele uza to'o dala 3 (wainhira fertigasaun been remata, enxe fila fali bee to'o dala 3).

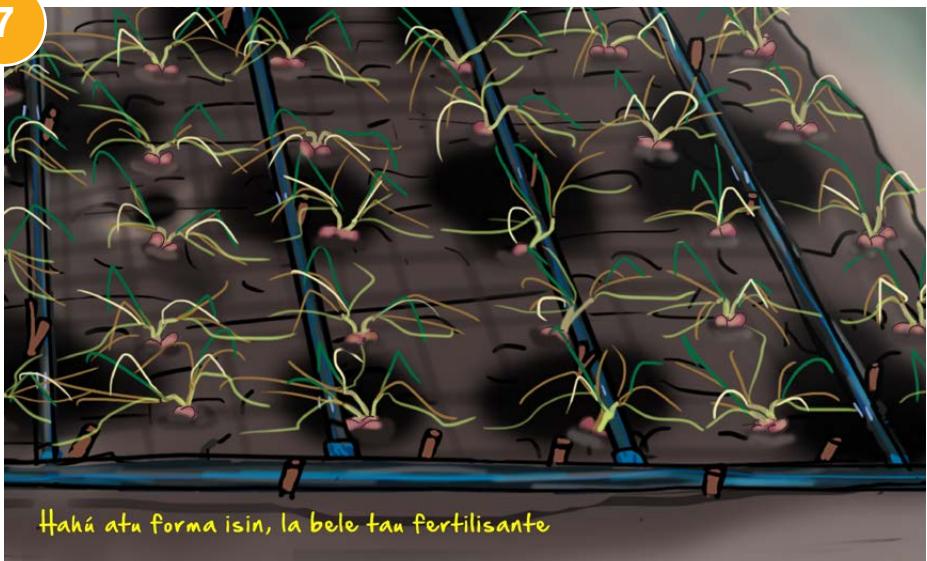
6

SEMANA 5-10



Wainhira liis oan kompleta ona semanal 5-10, halo fertigasaun dala 1 kada semanal. Wainhira halo fertigasaun hotu tenke hatama kedas bee durante minutu 10.

7



Wainhira liis komesa ona atu forma isin labele aplika fertigasaun ka fertilizantes ruma.

# Fertigasaun no bee

8



Besik kolleta, la rega

Semana ida besik atu kolleita labele hatama bee no halo fertigasaun atu nune'e kondisaun kantadeiru bele maran no evita liis isin labele dodok.

# Manutensaun

1



## Hamoos du'ut no kontrola peste no moras

- Fokit sai du'ut fuik sira.
- Liis hun ne'ebé hetan ataka husi peste/moras tenke fokit sai kedas.

# Manutensaun

2



## Hamoos disku filtru

- Hamoos semana 1 dala 1.
- Loke hasai filtru fase ho bee uza baiklin atu hamoos alga/jamur sira.
- Solur ho bee moos hafoin uza fali.

3

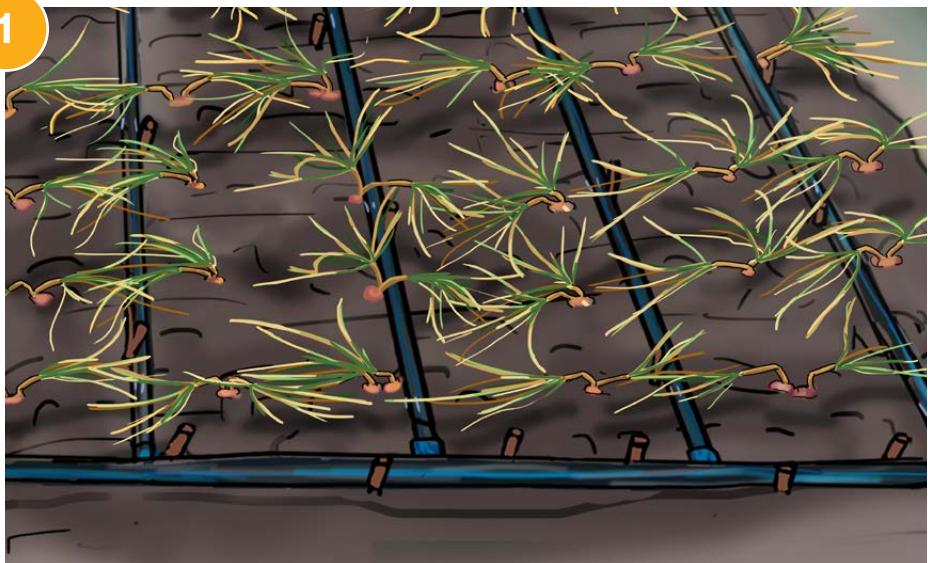


## Hamoos mangeira turuk

- Karik fatin turuk balu blokeia ka taka ho fo'er bee la turuk, tenke hamoos mangeira liuhusi hatama bee no dudu ho liman hodi hanehan pipa no kore mangeira tutun atu foer sira bele sai hotu.
- Husik to'o bee moos sai hafoin kesi fila fali mangeira tutun.
- Mangeira ne'ebé kuak bobar fali ho fita kola ka uza *joiner* hodi junta fali.

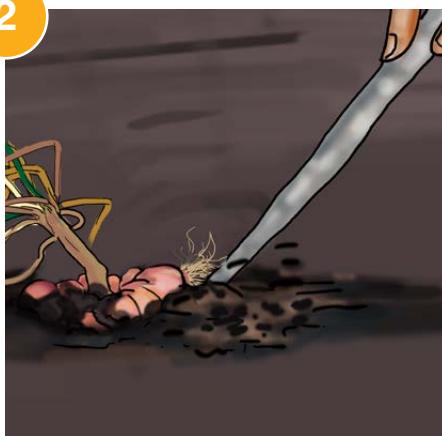
# Kolleita

1



Halo kolleita wainhira liis tahan komesa maran ona. Silu tun liis tahan ne'ebé sei matak atu nune'e bele maran hanesan.

2



3



Ke'e ho kuidadu atu liis isin labele kanek.

# Armazen

1



Habai iha fatin ne'ebé moos durante semana 1-2 depende ba loron matan. Kesi hamutuk liis no tara de'it habai to'o maran.

2



Bele habai iha hadak atu  
labele kona direta rai.

3



### Hamoos no rai mangeira turuk depoizde kolleita

- Fase mangeira turuk ho baiklin/chlorin wainhira halo kolleita hotu.
- Kore mangeira turuk rohan atu nune'e algae/jamur iha mangeira lar-an bele sai.
- Lulun didi'ak no rai hodi uza ba epoka tuir mai. Labele husik mangeira turuk iha to'os.

# Fa'an

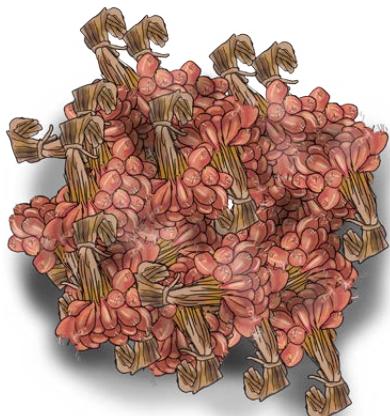
Deside atu fa'an liis iha ne'ebé, depois prepara liis ba sosa-na'in ka konsumidór sira.

1

BA SUPERMERKADU



BA MERKADU LOKÁL

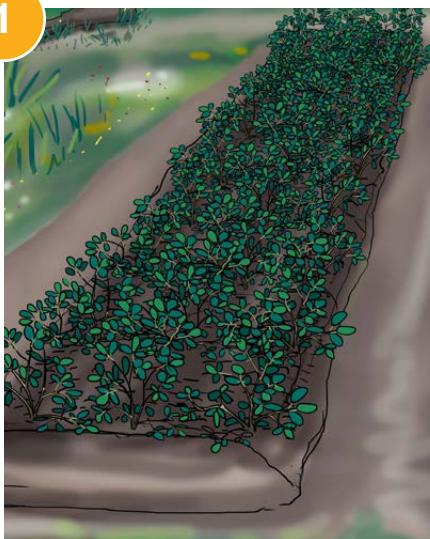


Karik atu fa'an ba supermerkadu, labele tesi nia tahan halo badak (tesi husik hela 10cm).

# Rotasaun

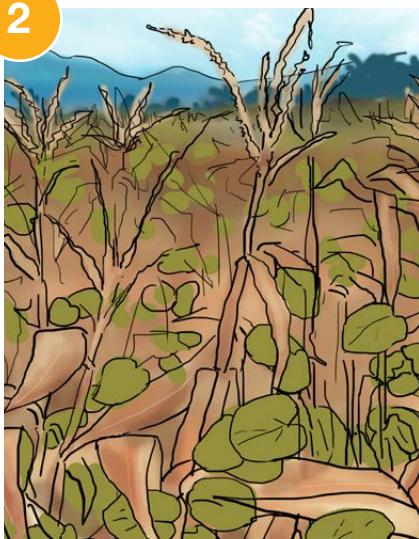
Wainhira halo kolleita hotu, presiza halo rotasaun ka kuda fali ai-horis legume balun (hanesan fore-rai, koto moruk, lehe, nsst.) hodi habokur fali rai molok atu kuda fila fali liis ba epoka tuirmai.

1



Kuda fore-rai iha fatin ne'ebé kuda ona liis ba.

2



Kuda lehe no koto moruk iha fatin ne'ebé kuda ona liis ba.

Labele haluha wainhira atu hahu halo fali preparasaun rai ba epoka tuirmai **labele sunu** fore-rai, koto no lehe tahan no kain sira ne'ebe husik hela iha fatin ne'ebé atu kuda ba.

