

JICA CUP2 Project

**Kawa yanikwa idatonowe
nyuma yo guhugutishwa
ahatagera umwuka**



8. Kawa yanikwa idatonowe nyuma yo guhugutishwa ahatagera umwuka

Ibyiza
by'ubu
buryo

- Kurema uburyohe n'impumuro byihari kandi binyuranye, harimo icyanga cyumvikana n'impumuro y'imbutu.
- Gutanga ubwiza budahindagurika bushingiye ku cyanga.
- Ikunzwe nabashaka ubwiza buhebuje, n'udushya kuri kawa y'icyanga kirenze ikimenyerewe.

Ibisabwa
byiza

1. Ikigero cy'isukari kiri hejuru >18.0
2. Hakenerwa ahatagera umwuka nka tanki cg umufuka wa pulasitiki wa Grain Pro bifunze neza bituma utunyabuzima dukanguka

1

Gusarura

2

Kujonjora

3

Guhugutira
ahatagera
umwuka

4

Kwanika

5

Kubika

UMUNSI 1

UMUNSI 1-4
(Amasaha 72)

UMUNSI 5-
(Iminsi 35-40)

-

Steps



8. Kawa yanikwa idatonoye nyuma yo guhugutishwa ahatagera umwuka

Intambwe 1: Gusarura

Intego: Ikawa ihishije ifite isukari nyinshi n'icyanga bitanga impumuro

Ibikoresho bikenewe



Koresha
igisarurirwamo
mugihe cyo gusarura
kawa



Sasa **shitingi**
munsi y'igiti
itangire ikawa
yaguye hasi



Koresha **imifuka**
isa neza
mugukusanya
umusaruro

Ingingo nyamuku

① Gusarura **ibitumbwe bihishije neza gusa**



Kuberako....



70kg



100kg

Uburemere

Igiciro ku
muhinzi

700rwf/kg

700rwf/kg

Igiciro

49,000rwf

70,000rwf



② Tangira gusarura
mugitondo.



③ Geza kawa
kuruganda **mu gihe**
cyamaha 8 nyuma yo
gusarura



④ Ntutore kawa yaguye
kubutaka, Kumira
ubwandu



⑤ Shyira umusaruro
wa kawa **ahatagera**
izuba uyirinde ihuguta
ryihuse

8. Kawa yanikwa idatonoye nyuma yo guhugutishwa ahatagera umwuka

Intambwe ya 2: Kujonjora – Kujonjora kawa hagendewe ku ibara

Intego: Gushyira kawa mubyiciro – Izihishije/ izidahishije/ izarengeranye

Ibyitabwaho ①

70% ya kawa **ihishije neza**

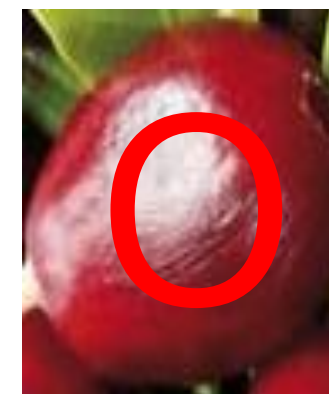


Ibyitabwaho ②

Isukari: Hejuru ya 18.0



10.0



18.0

8. Kawa yanikwa idatonoye nyuma yo guhugutishwa ahatagera umwuka

Intamwe ya 3: Guhugutisha ntamwuka wa oxigene

Intego: Kugera ku ihuguta ntamwuka kugira hagerwe kumpumuro zigamijwe

Ibikoresho



Tanki ifunze neza kugira umwuka utinjira imbere

Cyangwa



Umufuka wa GrainPro

Ingingo nyamukuru

① **Ahatagera umwuka:** Tanki ifunze neza cg umufuka wa pulasitike **bigomba kuba bifunze neza** hirindwa ko umwuka winjiramo.



② **kugenzura ubushyuhe n'ubuhehere:** kubika ahatwikiriye aho ubushyuhe n'ubuhehere bidahindagurika.



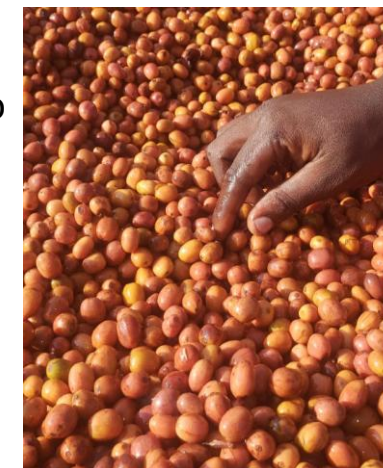
③ **Igihe guhuguta bimara:** Gihinduka bitewe n'isoko rya kawa ya anaerobic natural risaba.

**Hitabwaho cyane ingano ya PH*



Ibyitabwaho

① **Impumuro:** kwirinda impumuro y'umushari cg vinegere.



② **Ibara:** Kureba ko kawa yahinduye ibara

③ **pH:** yagombye kuba hagati ya **4.0-5.0** nyumya yo guhuguta

**Bishobora guhinduka bitewe nicyo umuguzi yifuza*



8. Kawa yanikwa idatonoye nyuma yo guhugutishwa ahatagera umwuka

Intamwe ya 4: Kwanika

Intego: Kukora icyanga cy'imbuto no kugabanya ubuhehere bwa kawa

Ibikoresho



shadineti
hirindwa
ubushyuhe
bwinshi



isashe
hirindwa
imvura
n'urume



**Moisture
meter**
mukumenya
ubuhehere
bwa kawa

Ingingo nyamukuru

- ① Ku munsu wa mbere, hakenewe izuba rikomeye kugira ngo ihigutisha rihagarare, nta zuba hongera igihe cyo gufungura no kwanikiraho.
- ② **Gucunga ubushyuhe bwa kawa:** koresha **shadineti** mugutwikira hirindwa ubushyuhe saa tanu kugera saa cyenda * *byahinduka bitewe n'imiterere y'ikirere*
- ③ **Gucunga ubukonje:** Gutwikira ibitumbwe ukoresheje ishashi hirindwa imvura cyangwa ikime.
- ④ **Kuruhuka** Twikira ibitumbwe byibura rimwe mu cyumweru byose neza.
- ⑤ **Kumira rimwe:** Korogosha inshuro **5-6 ku munsu** mu minsi 2-3. Nyuma yaho, inshuro **3 ku munsu**. Kwanika kungano ya **3 cm** iminsi 2-3, nyuma-> nyuma wongere.



Ibyitabwaho

- ① **Ubuhehere:** bugomba kugezwa kuri **11-12%**. Pima ubuhehere 2 kumunsu.
- ② **Igihe kwanika bimara:** Ubusanzwe, iminsi **35-40**. Igikorwa cyo kwanika kigomba kwitonderwa hirindwa kubabuka cg kutuma kimwe.
- ③ **Ubushyuhe bwa kawa:** Bwakagombye kuba **munsu ya 40°C**.



*Moisture meter ibanze ikaliburwa.

8. Kawa yanikwa idatonoye nyuma yo guhugutishwa ahatagera umwuka

Icyiciro 5: Kubika

Ikigenderewe: Kugumana ubwume budahinduka nyuma yo kwanika hagamijwe gucuruza no Gutonora

Ibikoresho

Paleta hirindwa kwangirika
(Urugero: Amazi, Udukoko)



Ingingo nyamukuru

① **Kugenzura ubuhehere:** Kugumisha kawa kubuhehere bwa **10-12%**. *Genzura ibipimo by'ubuhehere igihe mu bubiko hakonje cg hashyushye cyane.*



② **Kohereza umwuka/guhungiza:** Kugenzura umwuka winjira n'usohoka hirindwa urume n'ubuhehere bwo hejuru



Ibyitabwaho

① **Ubushyuhe:** Gukomeza ubushyuhe bwa **15-23°C** hirindwa kwangirika



② **Ubuhehere:** Gukomeza ubuhehere kuri **50-70%** hirindwa uruhumbu



③ **Kuruhuka:** Kawa igomba kubikwa hafi **amezi 2** kugira ngo ubushuhe bwayo bugume ku gipimo gihamye.

