

JICA CUP2 Project

Kawa Yogeje neza -Ihugutisha ntamazi



3. Kawa Yogeje neza– Ihugutisha ntamazi

Ibyiza
by'ubu
buryo

- Kugabanya ibyago byo kwandura ugereranyije nuburyo bwa gakondo.
- Igihe cyo kwanika ni gito
- Imiterere imwe kumwimerere wa kawa

Ibisabwa
byiza

1. Ingano y'isukari iri hejuru ya 18.0
2. Amazi meza na tanki yo guhugutishirizamo isukuye
3. Imashini itonora iregeye neza

Ibyiciro

1	2	3	4	5	6	7	8	9
Gusarura	Kujonjora	Guhugutisha murubuto* & Kurerembesha	Guhera	Guhuguti sha ntamazi	Koza & Gushyira mubyiciro	Kumutsa	Kwanika	Kubika
UMUNSI 1	Umunsi 1 cg 2	Umunsi 1 cg 2	Umunsi2 -3	Umunsi 3	Umunsi 3-4	Umunsi 5- (Iminsi 20-25)	-	
								

*Guhugutisha urubuto ni amahitamo

3. Kawa yoheje neza- Ihugutisha ntamazi

Intambwe 1: Gusarura

Intego: Ibitumbwe bihishije neza bifite isukari nyinshi n'icyanga bitanga uburyohe

Ibikoresho bikenewe



Koresha **igisarurirwamo** mugihe cyo gusarura kawa



Sasa **shitingi** munsu y'igiti kugira ngo ibitumbwe bigweho.



Koresha **imifuka isa** neza mugukusanya ibitumbwe

Ingingo nyamukuru

① Gusarura **ibitumbwe bihishije neza gusa**



Ibyiza kandi biremereye

Kubera ko ibihishije neza biremera



Uburemere

70kg

100kg

Igiciro ku muhinzi

700rwf

700rwf

Igiciro

49,000rwf

70,000rwf



② Tangira gusarura **mugitondo**.



③ Geza kawa kuruganda bitarenze amasaha 8 nyuma yo gusarura



④ Ntutore ibitumbwe byagiye **hasi** mu gukumira **ubwandu**



⑤ Shyira kawa mu gicucu nyuma yo gusoroma mu kurinda ihugutisha ryihuse

3. Kawa yogeje neza- Ihugutisha ntamazi

Intambwe 2: Kijonjora – hagendewe ku ibara

Ikigamijwe: Gushyira kawa mubyiciro – Izihishije/ Izidahishije / Izarengeranye

Ibyitabwaho ①

70% bya kawa irahishije neza



Ibyitabwaho ②

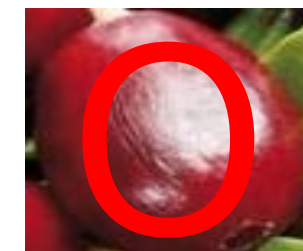
Ingano y'isukari: Hejuru ya 18.0



10.0



18.0



20.0

3. Kawa yogeje neza- Ihugutisha ntamazi

* 【Kubushake】 Intambwe 3: Guhugutisha ibitumbwe (Amasaha 24-36)

Ikigamijwe: Kongera impumuro ituruka mu guhugutisha urubuto rwa kawa

Ibikoresho

Koresha **indobo, itanki** cyangwa **umufuka** uhugutisha mugihe cy'amasaha 24-36



Ibyo kwitaho

① Guhugutisha ibitumbwe ahagera umwuka (Umufuka cg itanki) **Mu gihe cy'amasaha 24-36.**



② Nyuma yo guhugutisha, ibitumbwe bigomba kuba bifite **impumuro y'inzoga cg arukoro.**



3. Ikawa Yogeje neza – Ihugutisha ntamazi

Intambwe ya 3: Kujonjora – Kujonjora hifashishijwe amazi

Intego: Kurerembesha kawa ifite ubusembwa

Ibikoresho

Koresha itanki y'amazi cyangwa Indobo urerembesha ibitumbwe



Ingingo nyamukuru

- ① Suzuma **amabara** y'umutuku/ umutuku wijimye ukoresheje intoki



- ② Suzuma **ireme wifashishije amazi**
* Ibitumbwe bitaremereye biraremba bigakurwamo



Ibyo kwitaho

95% bya kawa byerekana kawa “**ihishije neza**”



- ② Izarerembye: **munsi ya 10%**



3. Ikawa yogeje neza- Ihugutisha ntamazi

Intambwe ya 3: Guhera

Intego: Gukuraho igishishwa habungabungwa intete za kawa

Ibikoreshwa



Gukoresha imashini itonora



Gukoresha itanki isukuye ishyirwamo kawa y'amaganda

Ubusobanuro nyamukuru

① Koresha **amazi asukuye uhera.**
Wirinda ubwandure!



② **Kuregera imashini n'umuvuduko by'ibitumbwe**
hirindwa ko kawa yangirika .



③ **Koza imashini buri muni**
hirindwa ko zandura.



Ibyo kwitabwaho

Fata intete 100 za kawa ugenzure ko izangiritse ziri munsi ya 10%, niba 10% zitatonowe cg zangiritse uregere imashini ihera.



Intambwe ya 4: Guhugutisha

Intego: Gukuraho umurenda wasigaye no kuzana uburyohe bwifuzwa

Ibikoresho



- Koresha itanki yo guhugutiramo ikorewe isuku.
- Koresha amazi asa neza ukuraho umurenda kuri kawa



- Koresha pH meter mugupima ko ihugutisha ryarangiye.

Ingingo nyamukuru

- ① **Ubushyuhe** bugira ingaruka kumuvuduko wo guhuguta. Igihe cyo guhugutisha cyakagombye kuba kigufi mugihe cy'izuba na kirekire mugihe cy'imvura. Ubusanzwe, bifata hagati y'amasaha **12-24**.
- ② **Gutwikira kawa itonoye**: Itanki igomba kuba itwikiriye kugirango ihugutisha rikorwe ku rugero rumwe.

**Kurikirana uko ihugutisha rigenda umenya igihe rifata bitewe nikirere.*



Ibyo kwitabwaho

- ① **Impumuro**: Kwirinda impumuro y'umushari n'iya vinegre.



- ② **Imiterere**: Kugenzura niba umurenda witandukanyije na kawa



- ③ **pH**: Yakagombye kuba hagati ya **4.0-4.5** ihugutisha rirangiye

**Bishobora guhindurwa bitewe nicyo umukiriya yifuza*



3. Ikawa Yogeje neza – Ihugutisha ntamazi

Intambwe ya 6: Koza no gushyira mu byiciro

Intego: gukuraho umurenda usigaye no gushyira kawa mu byiciro hagendewe ku ireme

Ibikoresho



Kwifashisha **rato y'igiti** mukoza kawa

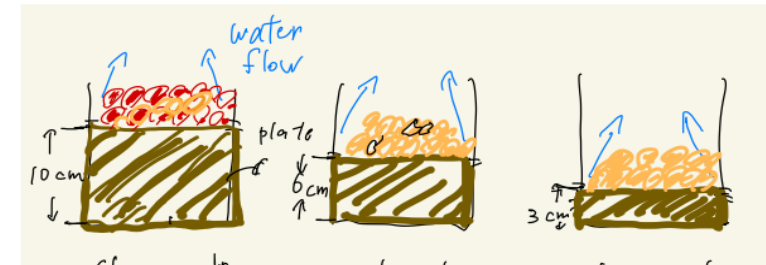
Ingingo nyamukuru

- ① Genzura ko umurenda washizeho hagendewe **kumiterere(kawa zitakinyerera)**
- ② **Girira isuku imiyoboro ikawa inyuramo ishyirwa mubyiciro** irindwe ubwandu
- ③ **shyira kawa mubyiciro** hatandukanywe (A1,A2, n'izarerembye) hifashishwa ubuhagarike bw'utubaho mu muyoboro



Ibyitabwaho

- ① Genzura ubwiza **hahindurwa ubuhagarike bw'utubaho** kuri buri cyiciro (10cm: A1 / 6cm: A2 / 3cm: izarerembye n'ibishishwa)



- ② **Hejuru ya 75%** zigomba kuba icyiciro A1



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Intambwe ya 7: Kumutsa mbere yo kwanika (Amasaha 36-48)

Intego: Kugabanya ubuhehere buhoro buhoro (kumutsa buhoro buhoro)

Ibikoresho

Ubwamikiro butwikiriye



Ingingo nyamukuru

① Kujonjorera **ahatwikiriye** hakurwamo kawa ifite ubusembwa mbere yo kujyanwa kwanikwa.

② Kujonjora **mumasaha 36-48** nyuma yo koza, Ikawa igoma kuruhuka mbere yo kujyanwa kwanikwa kuzuba

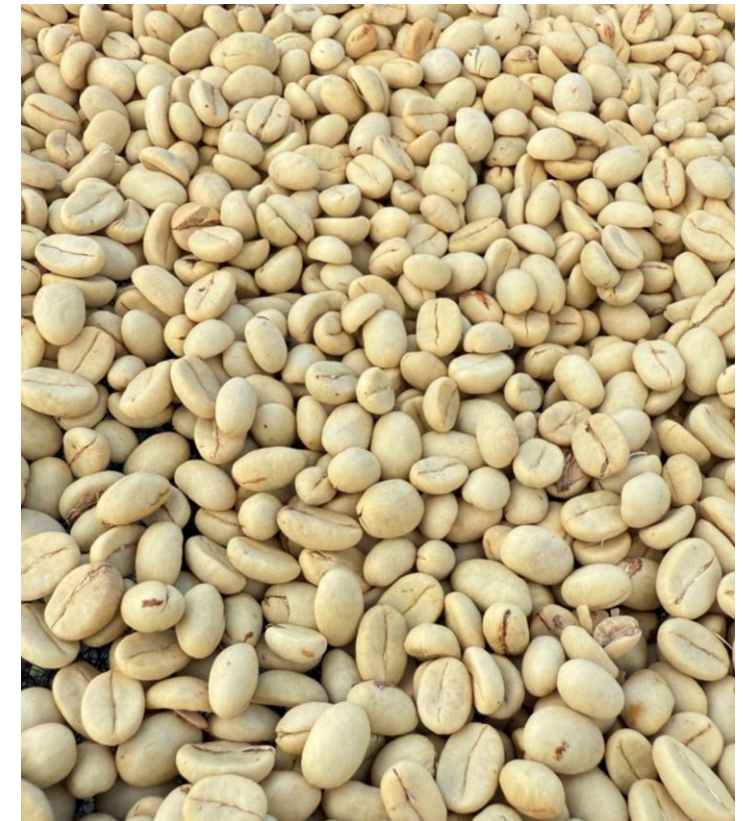
③ Reba **ibara rya kawa ifite ubusembwa** hakurwemo ikawa y’:

- **Icyatsi** (Izitarera)
- **Umweru** (Izarerembye)
- **Izirabura/izariwe n’udusimba**
- **Izamenetse/ izakomeretse/ Izidatonoye**



Ibyitabwaho

Izifite ubusembwa **zikurwamo 100%**



3. Ikawa Yogeje neza – Ihugutisha ntamazi

Intambwe ya 8: Kumisha

Intego: Kugabanya ubuhehere no gutegura kubika kawa neza

Ibikoresho



Shadineti irinda ubushyuhe bwinshi



Isashe irinda imvura n'urume



Moisture meter mukugenzura ubuhehere bwa kawa

*Moisture meter ibanza kuregera mbere yo gukoreshwa.

Ingingo nyamukuru

① **Gucunga ubushyuhe bwa kawa:** koresha **shadineti** mugutwikira hirindwa ubushyuhe guhera **11:00-15:00**.



② **Gucunga ubuhehere:** Pfuka parchment ukoresheje pulasitiki wirindwe imvura n'ikime. Umunsi umwe mu cyumweru, pfuka kawa neza yose.



③ **Kumira rimwe:** Korogosha kawa inshuro **4** ku munsi kugira ngo yumishwe neza. Ubunini bw'urutonde rwa kawa: (Urugero: **3 cm**) y'ubunini.



Ibyitabwaho

① **Ubuhehere:** Intego ya **10.5-11.5%** mu buryo bwiza. Kugenzura n'igipimo cy'ubuhehe kabiri kumunsi.



② **Igihe imara:** iminsi **20-25**. Kwanika bigomba kwitonderwa hirindwa kuma byihuse insigane.



③ **Ubushyuhe bwa kawa:** Ubushyuhe igihe cyose bwagombye kuba **munsi 35°C** hirindwa kwangirika k'urubuto rw'imbere (umutima wakawa).



Intego ya 9: Kubika

Intego: Kubika neza kawa kugira ngo zicuruzwe cyangwa zitonorwe

Ibikoresho

Paleta hirindwa kwangirika
(Urugero: Amazi, udukoko)



Ingingo nyamukuru

- ① **Kugenzura ubuhehere:** Kugumisha kawa kubuherere bwa **10-12%**

**Genzura ubuhehere MC igihe hashyushye cg hahehereye cyane*



- ② **Kohereza umwuka/guhungiza:** Kugenzura umwuka winjira n'usohoka hirindwa urume n'ubuhehere buri 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.

