

Mazingira Bora

tist Growing Trees
Growing Leaders

Newsletter January 2026

1. We are Honest
2. We are Accurate
3. We are Transparent
4. We are Servant to each other
5. We are Mutually Accountable to each other

www.tist.org

English Version

TIST is an innovative, time - tested, afforestation program led by the participants.

Dial *709# (Safaricom) or *789*7000# (Other Networks) and get to know more about TIST and your Small Group. Follow the prompts. Safaricom is Free.



New TIST Farmers during a recent Seminar held on November last year.

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TIST: Understand How Carbon Profit Share Payments work.

As stipulated in the Green House Gas Contract your Small Group signed with CAAC, payments are made to Small Groups that complies with the requirements of TIST eligibility and the GHG Contract. CAAC shall pay the Small Group their Profit Share as follows:

Carbon Profit Share. If eligible, every year CAAC shall pay the Small Group its 70% share of the Carbon Profit earned in the prior year net of any prior minimum payments (previously known as prepayments).

- **Carbon Profit** is defined as the total sales of carbon credits less the total expenses for creating, monitoring, insuring and delivering the carbon credits and managing those sales.
- If the Profit for a year is zero or a negative amount, the Small Group will not receive any Profit Share until CAAC has a positive Profit.
- The Small Group's share of the Profit is their accumulated carbon stock divided by the total carbon stock quantified in TIST. A Small Group is eligible for its share of 70% of the Profit if the active groves meet the following:
 1. Its trees have been accurately counted and measured and results have shown sequestered carbon,
 2. Its TIST trees have been quantified in the previous eighteen (18) months.

3. All the information required for the grove's Baseline has been accurately reported, and
4. The Small Group has signed and submitted the GHG Contract.

Important Note: Cutting Down Trees is highly discouraged. If a Small Group cuts down its trees, then the Small Group will not receive any payments. Please read the article below ***“Keep Your Trees Alive: Do Not Cut. Instead Prune or Thin for your Firewood Needs.”***

Remember, for individual farmer to participate in TIST, they need to form a Small Group and plant trees. The group members retain ownership of land and trees, while TIST (via Clean Air Action Corporation) markets the carbon sequestered.

Small Groups are encouraged to attend Cluster Meetings to learn more about TIST and Carbon Business, Share their Best Practices and learn from each other. Cluster Meetings have been proved to help many farmers increase their farm productivity and results.

For us to know how much your trees have in terms of carbon, **Quantification and verification** are important steps in the process. TIST Cluster Servants accurately count and measure the trees and the data is recorded. Independent Third-Party Auditors then verify both visible benefits and the trees of your Small Group and validate the carbon sequestration ensuring transparency and credibility.



These Third -Party Auditors (commonly known as Verifiers) give their report to another institution known as Verra. Verra check again very carefully to ensure there is honesty, transparency and accuracy of the carbon tonnes that TIST through Cluster Servants have collected and synchronized to the database.

If Verra is satisfied, the next step is **Carbon Credit Sales**. Your Small Group carbon credits (together with those of other Small Groups) are sold in the global voluntary carbon market, the revenue is shared with the farmers. TIST farmers receives 70% profit from the sales of these verified carbon Credits

Receiving payment voucher process. Profit Share payments are transparently facilitated through mobile money, voucher system and bank accounts.

Your Small Group need to attend a cluster meeting to receive instructions on how you need to organize yourself for payments. For 2024 Profit Share, the First payments are electronically paid. The Second payments have a voucher to sign and return the signed voucher at the next cluster meeting for authorization and payment.

TIST: How Tree Harvest Affect My Small Group.

TIST has always been able to attract premium prices in the carbon market for maintaining trees for long duration and thus enabling the trees grow bigger every year, the trees are accurately measured, counted by Cluster Servants. Trees are also validated and verified by Third party Auditors.

Carbon credits created are sold using TIST trademark, and thus all TIST participants share the same trademark.

Tree harvesting harms my group by-;

- ☐ Loss of tonnes,
- ☐ Prices of our tonnes go down,
- ☐ We lose customers trust among other issues.

When we have tonnes lost from trees harvested, my group will get to compensate for trees harvested by another group or other TIST groups as we have to create the tonnes lost.

How you can help:

- ☐ Make sure you keep your Trees for Long term.
- ☐ Plant more Trees especially Indigenous, Fruits and nut trees.
- ☐ If you know any Small Group has cut down their trees, please report this to your Cluster Leader or Cluster Servant. Such a Group should not receive payments.



Keep Your Trees Alive: Do Not Cut. Instead Prune or Thin for your Firewood Needs.

Many Farmers in TIST are avoiding cutting down trees but instead prune branches or thin some of those planted closely together in less than 2 meters for their firewood needs.

The purpose of having regular thinning is to achieve maximum growth and value of the trees that are left standing. The cuttings also provide firewood, poles, building materials, and other benefits directly to the TIST participant. That is the reason that we have the policy of creating a sustainable forest by only harvesting a maximum of 5% of the trees per year, after the trees are 10 years old.

When an occasional TIST member decides to clear cut their grove, they harm all the rest of the TIST members in their Small Group, in their Cluster and in all of Kenya. The actions of very few people can cause big problems for everyone. We expect other Small Group members and members of the Cluster to pay attention and make sure that no one cuts trees before they are supposed to.

When we signed the GhG Agreement, we committed to maintain the trees we plant for TIST to let them grow for 30 years before harvest. This is one reason it's so important to think carefully about what kinds of trees we want to grow on our farms. Thinning and pruning can help keep trees healthy and provide useful products while the trees grow.

The purpose of thinning and pruning trees is to improve individual tree health, as well as overall forest health. This is done by protecting the "best" trees in the forest and thinning the others. Trees may have different needs for space depending on species, site, planting style (woodlot, incorporated into crop fields, or windbreak), and climate, but some general principles apply.

To grow strong, healthy trees, give them a proper spacing which helps them get enough water and nutrients to grow to their full potential. Closer spacing is acceptable when trees are young. As the trees begin to mature, some trees will be larger and more robust than their neighbors. These are the trees that should be kept. In determining which trees should be removed, look at the best trees and determine if they are appropriately spaced. If they are not, you should remove some nearby trees.

When making thinning choices, remember that growth rate varies greatly by species. If a mango tree is growing near lots of exotic trees, the mango may be far smaller and slower growing than the fast-growing exotic trees, but it certainly should not be cut simply because it is smaller! A mango tree is of great importance due to its usefulness in producing fruit for food and sale.

Best Practices while Thinning

- Allow crop trees to grow to maturity.
- Thin to proper stocking (number of trees per acre). In TIST, we can select up to 5% of our trees, after 10 years, thinning by selecting as they grow, and providing income.
- Remove dying, diseased, decaying, and poor-quality trees.
- Protect trees from logging damage.
- Promote tree species diversity.
- Monitor your forest for insect and disease outbreaks.
- Cooperate with government agencies in controlling forest insect and disease outbreaks.



TIST: Embracing other Communication Channels.

For many years, TIST Farmers have been receiving communication through *Mazingira Bora* Newsletters and in Cluster meetings.

Today, the World has evolved and new communication channels have emerged. Many people are now familiar with Facebook, Whatsapp, Twitter (X), Tiktok, Instagram and several other online channels. These channels are now widespread and if used well, can be of great help in our communication.

In TIST, we are developing our own new communication channels. Today we have USSD codes, TIST Learning Center, TIST Chatbot, TIST Mobile website, TIST website.

TIST USSD codes in Kenya are *709# and *789*7000#. The *709# is a Safaricom code and its free. The *789*7000# is a shared code for other networks (Airtel, Telkom, Safaricom) and its charges Ksh 1 to the user. Both codes are available to people using smart phones and those using “kabambe” phones. This means many of our farmers can easily access it. When you dial any of these codes, you will be able to see/read information about TIST and be able to check your Small Group status.

TIST Learning Center is accessible through the

online webpage. You need to have a smartphone, a computer, tablet and have internet. You will access it via <https://learn.tist.org/>. TIST Learning center offers you with full package of TIST Trainings. You will be able to learn more about TIST. Further, it helps new Small Group to make applications to join TIST.

TIST Chabot is our Artificial Intelligence (AI) tool. It a search engine just like Google, Chatbot or any a AI tools/ apps. It helps answer any questions you have about TIST or your Small Group. This tool is still under development. When its complete, we will communicate to all our TIST Farmers.

TIST Website is accessed via www.tist.org. Here, you will be able to see your Small Groups tree planting results as quantified by your Cluster Servants. You will also be able to access past TIST Newsletters.

TIST Mobile Website. www.tist.org/mobile. Here, you will be required to log in as a “Guest.” This page will give you information about your Cluster, your Small Group and Trainings.

Soon, we will share more details on how you can access TIST Facebook page, TIST Tiktok, TIST community Whatsapp and other channels.



TIST: The Importance of Trees.

Trees are very important for environmental and material reasons:

A. Environmental improvement:

- Trees cover soil, which protects it from wind and water erosion.
- Leaves and twigs fall to the ground and provide the soil with extra nutrients.
- Trees increase soil moisture by covering the soil and hence reducing evaporation.
- Tree roots help bind the soil and therefore reduce erosion.
- Tree roots also help water to enter the soil and improve underground water circulation.
- Trees improve local weather conditions by increasing the amount of water vapor in the air (increased humidity).
- Trees improve air quality by absorbing carbon dioxide and releasing oxygen.

- Trees provide shade and shelter.

B. Material and nutritional value:

- Construction materials (furniture, posts, fences, rope etc.)
- Fuel wood.
- Medicine.
- Food/fodder.

These benefits are really valuable for farmers and for the world. A recent survey of TIST farmers in Kenya showed that the value of fruits, nuts, fodder, and firewood from trees they have planted in TIST and improved yield from using Conservation Farming averaged almost 37,000 shillings per farmer. It's harder to put a value on the benefits of cooler, moister soil, cleaner air and some of the other benefits of the work we do in TIST, but we feel it on our farms every day.

Promoting tree planting is of great importance to the community. Imagine what we can do when we plant more together!

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Wakulima wapya wa TIST wakati wa Semina ya hivi karibuni iliyofanyika Novemba mwaka jana.

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TIST: Kenya uria marihi ja baita ya Kaboni jetaga.

Ja uria kwandiki ndeene ya fomu ya GhG iria gakundi kenu gacainanirite na CAAC, marihi jathithikaga Kiri tukundi tunini turia tukinyaniritie mantu jaria jendekaga ndeene ya TIST na nkinya Kiri fomu ya GHG. CAAC ikariha ikundi inini baita yao na njira iji:

Baita ya Kaboni. Kethira gakundi nigakinyaniritie mantu jaria jendekaga'o mwaka CAAC ikariha gakundi kanini gicunci gia 70% Kia baita ya Kaboni iria yonekire mwaka muthiru iriti alubanyi iria gakundi kanagwata.

- Baita ya kaboni ni mbecha iria jionekaga warita ngarama cionthe CIA kuthithia, gutegerwa, kugita insurance na gukinya Kaboni krediti na ngugi CIA wendia kuuma Kiri mbecha cionthe CIA wendia.
- Kethira baita irari zero mwaka jou jwitukite kana kwagia hasara, gakundi kanini huti baita gakona mwaka CAAC ithithie baita.
- Kiwango kia baita Kia gakundi ni Kaboni ya gakundi konthe igairi Kaboni yonthe iria itari ndeene ya TIST. Gakundi kanini gakagwata gicunci gia 70% Kia baita kethira miunda yao ni imenyeeri na igakinyaniria mantu jaja:
 1. Miti yao ni itari bweega na ikathimwa na mpumi ikonania Kaboni ya gakundi,
 2. Miti ya TIST ni itari nyuma ya mieri 18,

3. Mantu jonthe jaria jendekaga kuuma o kiri kamunda ja baseline nijajukitue bweega na ripoti igatumwa, na
4. Gakundi kethire gacainite fomu ya GhG na gacokia.

Kiririkania Kia gitumi:kugita Miti guti buui biru. Kethira gakundi gaku kanini gakugita Miti, kwou nako gatiumba kugwata mbecha onairiku. Tigiira kuthoma ntumiiri iji aja nthiguru **“Ika miti yaku iri muo:Ugatema Miti. No ri caa mpang’i imwe niuntu bwa mobatu ja nku”**

Ririkana, nikenda murimi omba kuthungira ndeene ya TIST, Nonkinya bathithie gakundi kanini na baande Miti. Amemba na gakundi nibo eene miunda na nkinya Miti iji, nayo TIST (gukurukiira CAAC) ikathithia thoko ya Kaboni iria Miti yuthuranitie.

Tukundi tunini ni tugwikirua inya gwita Kiri mucemano kuthoma nkuruki mantu jegie TIST na nkinya Ka biashara ya Kaboni, bagaane njira injega CIA urimi na nkinya bathome Kiri muntu na ungi. Micemano ya clasta ni yonekete iri na utethio Kiri arimi nkinya kiri kwongera maketha miundene.

Nikenda tuumba kumenya ni Kaboni ing’ana Miti iri nayo, **Gutegerwa ngugi ni Atari na nkinya verifier** ni ikinya ria gitumi muno kiri ngugi iji. TIST clasta servant nibataraga Miti bweega na nkinya bakamithima na rekodi iji igekwa bweega. Nabo ma auditor bagacoka gutega ngugi iji bakoona baita iria ikuoneka kuuma Kiri Miti na bagacoka bagatega kiwango Gia Kaboni ndeene ya Miti na njira ya utheri na Uma bungwa.



Auditor Baba jabo baijikene verifiers nibaejanaga ripoti Kiri verra. Verra nayo ni icokaga ringi gutega ngugi iji muno kwona iri na Uma, utheri, na nkinya kwona Uma bungwa bwa mathabi ni buthingati bwa tani cia Kaboni iria TIST gukurukiira clasta servant bandikite na beeka ndeene ya mutandao.

Kethira Verra niyang'anira, ikinya riria rithingatagiira ni **wendia na Kaboni**. Kaboni ya gakundi gaku (amwe na Kaboni ya tukundi tungi) yendagua Kiri thoko cia kwiendera Kia manthiguru, na mbea iji ikagairua arimi. Arimi na TIST bagwataga gicunci gia 70% kuumania na wendia bubu bwa Kaboni krediti.

Njira ya kugwata vocha ya marihi. Marihi ja kugaa baita jagwatikaga na njira iri na utheri gukurukiira thimu, vocha kana bengi.

Gakundi gaku kanini Nonkinya geete mucemano jwa clasta nikenda kamenyithua uria kathithia kuomba kwona mbea iji.

Kiri marihi ja baita ya mwaka jwa 2024, marihi ja mbere jatina vocha ni ntumiiri bakwona. Marihi ja Kairi Nijo jari na vocha ya amemba ya gucaina na bamicokie Kiri mucemano jou jungi nikenda boomba kugwata marihi.

TIST: Uria gutema miti kuthukagia gakundi gaku.

TIST ithiritue gwa kagita ikiona bei iri iguru muno ya Kaboni Kiri thoko niuntu bwa gwika miti gwa kagita karaja na gutigiira Miti gukuura na kunenea nkuruki o Kiri mwaka, Miti iji mi ithimagwa bweega, na igatarwa ni clasta servant. Miti iji ni icokaga ringi igategerua ni validator jabo ma auditor.

Kaboni krediti iria ithondeki ni ciendagua igitumagira TIST trade mark na niuntu bubu arimi bonthe ba TIST batumagira trademark o imwe.

Gutema miti kuretagira gakundi thina Ka:-

- ☐ Kunyihia tani.
- ☐ Uguri WA tani ukinama.

- ☐ Kwaga gwitikua ni aguri ba Kaboni na jangi.

Riria twanyihia Kaboni kuumania na Guketha Miti, gakundi gakuwa Nonkinya gacokie Miti iria ikethi ni gakundi jangi kama amemba angi a TIST niuntu nonkinya tani iria ciurite icokue.

Umba mutethia atia:

- ☐ Ika Miti gwa kagita karaja.
- ☐ Anda Miti ingi imingi muno ya kinduire, ya matunda na nkinya macadamia.
- ☐ Kethira niukumenya gakundi o konthe gakethete Miti yao, kinyia ripoti iji Kiri mutongwria wa clasta kana clasta servant. Gakundi ja gaka gati batii kwona mbea.



Ika miti yaku iri muo: Ugatema Miti. No ri,caa kana urute Miti imwe niuntu bwa mobatu ja nku.

Arimi baingi ndeene ya TIST nibagutigiira batigutema Miti yao no bagacaa mpang'i imwe na gutema iria ikuhaniritie na unini bwa Mita 2 niuntu bwa nku.

Gitumi Gia gutema miti iria ikuhaniritie ni gutigiira Miti ni ikwona kanya ga keega Ka gukuura na kwongera baita ya Miti iria yatigwa. Miti iria yatemwa ni ijejanaga nku, imingi, mbao CIA gwaka na baita ingi Kiri murimi. Giki ni kio gitumi turi na watho WA gwika miti na kuejana kanya Ka gutema gicunci Kia 5% Kiri mwaka Kiri Miti iria yakurukia miaka ikumi.

Riria murimi imwe erita na gutema miti yonthe ndeene ya miunda jwawe, niaretagira arimi baingi thina na gakundi kawe, clasta na nkiri Kiri Kenya yonthe. Itagaria ria anti bamwe bakai nijarete thina inene muno Kiri muntu wonthe. Nitukwirigiira amemba anga a gakundi na amemba na clasta bakethirwa Bari roho na gutigiira ATI guti murimi gutema miti mbere ya kagita Karia kabatii.

Riria twacainire fomu ya GhG, nitwetikiriirie ATI tugeeka Miti iria tukaanda niuntu bwa TIST gwa kagita gatikunyia Mia 30 mbere ya kumitema. Gitumi gikui kimwe ni Kia baita muno riria tukubanga kuanda miti tukamenya ni mithemba iriku tukaanda ndeene ya miunda yeti. Gutema Miti iria yakuhaniiria na gucaa mpang'i imwe nogutethie gwika miti iri migima na nkinya kugia maketha o uria igukura.

Gitumi Kia gucaa Miti ni gutigiira iri na ugima mwega, amwe na nkinya ugima mwega WA miitu. Bubu buthithikaga na njira ya kugitira Miti iria mega ndeene ya Miti na gucaa ingi. Miti ithagirua iri na mobatu mwanga ja utiganu kuuma Miti gwita Kiri ungi niuntu bwa mithemba jwaju, aria juandi, muandire (kuanda ja Mwiti, kuandania na imera kana kuanda niuntu bwa ruugo) ugaruruku bwa riera, ona kethira mantu jangi no jategwe.

Gukuria Miti iria na ugima na ina hinya, Tigiira

kuanda na utiganu umwega nikenda igwata ruuji na mboleo ya kugana na ikure bweega. Kuanda Miti ikuhaniritie no bweega riria Miti iria iminini. O iria Miti yambiria gukuura, Miti imwe ikethira iri iminene gukira ingi. Miti iji minene niyo ibatii imenyerwe. Kiri kumenya ni miti iriku ya gwita, tega ni miti iriku miega, tegeera utiganu bwa Miti. Kethira utiganu kuuma muti gwita kiri jungi jutibuui, Rita iu ikuhaniritie.

Riria ukubanga gucaa Miti imwe, ririkana gukura kwa Miti gutiganaga na mithemba ya Miti. Kethira muembe ni igukura Amwe na Miti ya ugeni, muembe no withirue ugikura mpaara muno na ukethirwa unyiii gukura Miti inginiria ikuraga na mpumi, no ri muembe utigatemwe niuntu bwa gutuika ni muni Kiri ingi! Muembe Kiri na gitumi ki nene nkuruki niuntu bwa baita ya matunda ja irio na nkinya ja kwendia.

Njira injega riria ugacaa Miti

- Tigiira Miti ya matunda ni igukura
- Caa Miti yaku gutigiira iri na utiganu mweega o Kiri acre ya miunda. Kiri TIST, no urute 5% ya Miti yakurukia miaka ikumi, Rita Miti o uria igukura na kuona mbeca.
- Rita Miti iria igukura, ikwora, iri na mirimu na nkinya iria itigukura bwega.
- Menyera Miti itikathukie ingi kagita Ka gutema imwe
- Anda Miti mithemba imingi.
- Tegagiira Miitu itagwatwa ni mirimu na tunyomoo twinyangia.
- Gwatanira na thirikari kiri kurua na tunyomoo twinyangia Miitu na nkinya mirimu
- Giitira mianki ya Miitu.



TIST: Kugwatanira na njira ingi CIA kwaraniria.

Kwa miaka imingi, Arimi a TIST bagwataga ntumiiri gukurukiira ngatheti ya Mazingira Bora na Kiri mucemano ya clasta.

Narua iji, nthiguru ni igiite na njira ingi CIA kwaraniria. Antu baingi Nandi nibaiji Facebook, WhatsApp, Twitter (X), TikTok, Instagram na njira ingi cia mutandao. Njira iji Nandi nibigutumika muno na igatuika bweega, ciomba kwithirua iri CIA bata Kiri kwaraniria gwetu.

Ndeene ya TIST, nitukugia na njira injeru CIA kwaraniria. Narua iji turi na namba USSD, TIST Learning Center, TIST Chabot, TIST Mobile Website, TIST Website.

Code ya USSD ya Kenya ni *709# n *709*7000#. Code ya *709# ni Safaricom ni itina marihi. Code ya *709*7000# iritimika Kiri network ingi (Airtel, Telecom, Safaricom) na iri na marihi ja kshI Kiri mutumiri. Code iji cio Kiri ni igutukimaka Kiri thimu ya smartphone na nkiny a Kiri thimu ya kabambe. Guku nikuuga arimi baingi ba TIST nobamitumire. Riria waringa namba iji, ukoomba kwona mantu jegie TIST na nkiny a mantu jegie gakundi gaku.

TIST Learning Center yumba kumikinyira Uri na internet. Nonkiny a withirue Uri na smartphone, computa, tablet na withirwe Uri na internet. Ukamigwata gukurukiira [Https://learn.tist.org/](https://learn.tist.org/) TIST Learning Center ni ikuejaga ithomo cionthe cia TIST. Ukagwata kanya ga kuthoma nkuruki jegie TIST. Na nkuruki, ni uejaga tukundi tunini gutuma iromba ria kuthungira ndeene ya TIST.

TIST Chabot ni njira injeru oja Google aria yumba kuuria na kugwata macokio. Ikagitethia gucokia kiuria kiegie TIST kana gakundi gaku kanini. Njira iji no igwitirua ngugi. Riria ikarika, tukamenyithia arimi bonthe.

TIST Website igwatikaga gukurukiira www.tist.org Aja ukoomba kwona mitinyangakundi gaku uria itaritue ni clasta servant waku. Ukomba nkiny a kwona ngathiti CIA kagita kau gakurukite.

TIST Mobile website www.tist.org/mobile Aja ukendeka ithungire Ka guest. Aja ukoomba kugwata mantu jegie clasta, gakundi gaku na nkiny a mathomo jegie TIST. Gwa kagita gati raja, tukamenyithia uria yumba kuthungira Kiri TIST Facebook, TIST TikTok, TIST community WhatsApp na ingi.



Bata ya miti.

Miti iri bata mono niuntu bwa mantu jeienaria gututhiurukite na biria tutumagira:

A. Kuthongomia naria gututhiurukite:

- Miti nikunikagira muthetu, untu buria buebithagia gukamatwa kwa muthetu ni ruugo na ruuji.
- Mathangu na maang'i nijagujaga muthetune na jakongeera irio muthetune
- Miti niingiagia ruuji muthetune gukurukira gukunikira muthetu na kwou kunyiyia gukamatwa kwa ruuji ni riuu.
- Miri ya miti nitethagia kugwata muthetu na kwou kunyiyia gukamatwa kwa muthetu.
- Miri ya miti nitethagia kinya ruuji gutonya muthetube na kwou kuthongomia kuthiuruka kwa ruuji nthiguru ya muthetu.
- Miti nitethagia kutongomia rera ya aria iandi gukurukira kwingiyia ruuji ruria ruri ruugone.
- Miti nithongomagia uthongi bwa ruugo gukurukira gukucia ruugo ruruthuku na kurita ruugo rurwega.

- Miti niejanaga kirundu na antu a gwikunikira.

B. Into na irio biria miti iejanaga:

- Into bia gwaka (into bia nyomba, ikingi, ndwego, mikanda)
- Nkuu na makara
- Ndawa
- Irio bia antu na ndithia

Baita iji icithiritwa ciri inene mono kiri arimi na nthiguru yonthe. Uteri bwarua bwa arimi ba TIST ndene ya Kenya nibwonenie ati baita cia matunda, nkandi, iria ria ndithia na nkuu kuumania na miti iria baandite ndene ya TIST na maciara jamathongi nkuruki kuumania na urimi bubwega niikinyite baita ya ngiri mirongo ithatu na mugwanja kiri o murimi. Burina inya nkuruki kuthima baita ya muthetu juri na ruuji rurwingi nkuruki na ruugo rurutheru nkuruki na kinya imwe cia baita ingi cia ngugi iria turitaga ndene ya TIST, indi nitucigagua ndene ya miunda yetu ntuku cionthe.

Kwou gwitithia na mbele uandi bwa miti kurina bata mono kiri antu betu. Thugania jaria tuthithia tukeja kuanda miti ingi turi amwe!

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5. We are Mutually Accountable to each other

www.tist.org

Kikuyu Version

TIST is an innovative, time - tested, afforestation program led by the participants.

Dial *709# (Safaricom) or *789*7000# (Other Networks) and get to know more about TIST and your Small Group. Follow the prompts. Safaricom is Free.



Arimi eru a TIST mahinda ma Semina iria yari meri wa ikumi na umwe mwaka ucio urathirire.

- Inside:**
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 - ✓ **TIST: Uria miti ingigethwo ihinyagiriria ngurubu nini yakwa.** Page 3
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TIST: Menya uria marihi ma faida ya share cia carbon cirutaga wira.

Ota uria itarairio thiini wa Green House Gas Contract ngurubu-ini yanyu nini na igekirwo kiore hamwe na CAAC, marihi maheanagwo kuri ngurubu nini iria na igatwarana na TIST eligibility na GHG Contract. CAAC ni ikuriha ngurubu nini faida cia share ta uu:

Faida cia share cia Carbon. Kungihotekeka, oro mwaka CAAC ni iririhaga ngurubu nini igai ria 70% faida cia carbon iria magite nacio hari oro mwaka kumanagia na unyinyi wa marihi (iria hau kabere cietagwo marihi ma mbere).

- **Faida ya carbon** ni wendia wa carbon credits urutithanie na mahuthiro ma kumiambiriria, gutwarana, kumaiga na gutwara gwa carbon credits na kurumanirira na wendia.
- Angikorwo gutiri na faida kana thiri, ngurubu nini ndi kwamukira faida ya share nginyagia riria CAAC ikagia na faida.
- Faida cia share cia ngurubu nini ni carbon iria icokaniriirio ikagayano na carbon ya miti iria itaritwo ni TIST. Ngurubu nini ibatie kuheo igai ria 70% ya faida angikorwo gikundi ni gikinyaniirie maundu maya:
 1. Miti yao ni itaritwo wega na igathimwo na macokio makonania ni iraruta carbon,
 2. Ni miti ya TIST na ni itaritwo handu-ini ha miaka 18 iria mihituku,

3. Maundu mothe maria marabatarikana kumenywo thiini wa ngurubu maheanwo mari makinyaniru, na

4. Ngurubu nini ikorwo ikirite kiore na kuneana GHG contract.

Ni wega kumenya: Gutema miti ni kugirie. Ngurubu nini ingitema miti yao, ngurubu nini iyo ndikamukira marihi. Ni wega uthome haha thi ***“Iga miti yaku igikuraga: Ndu gateme. Handu ha uguo hurura na utaganure wagia na bata wa ngu.”***

Ririkana, mundu umwe wiki angienda kunyitanira thiini wa TIST, mabatie guthondeka ngurubu nini na kuhanda miti. Ngurubu nini ibatie na gukorwo na mugunda na miti ya mwene, na TIST (kuhitukira Clean Air Action Corporation) ikendia carbon iria irathondekwo.

Ngurubu nini ni irorio guthiaga micemano ya clasta yao na guthoma makiria uria TIST na biacara ya carbon, kugayana uria moi na guthoma hari mundu na uria ungi. Micemano ya clasta ni imenyekanite na guteithia arimi kuongerera maciaro na maumirira.

Hari ithui kumenya uria miti yaku iraruta carbon, **gutara na guthurima** ni makinya mega ma gukinyukia. Aruti wira a TIST ni mataraga na guthima miti na kuiga rekondi. Gikundi ingi irugamitie ya gatatu igoka igathurima uteithio wa miti ya ngurubu nini yanyu na niguu maige waragania.



Gikundi giki (Third-Party Auditors (iria yuikaine ta Verifiers)) iheanaga mendikithia mao kuri gikundi kingi gitagwo Verra. Verra ithurimaga ringi niguo maige uma, waragania na wagiriru wa carbon tonnes iria TIST kuhitukira aruti wira a clasta monganitie na kuneana.

Verra yaiganira, ikinya riu ringi ni **Carbon Credit Sales**. Carbon credits ya ngurubu yanyu nini (hamwe na ngurubu ingi nini) ikendio kuri global voluntary carbon market, maciaro makagayanio kuri arimi. Arimi a TIST makamukira 70% faida kumanagia na wendia wa carbon credits iria ithurimitio.

Kwamukira voucher ya marihi. Marihi ma faida ya share ikoragwo wa waragania kuhitukira thimu, voucher na accounts cia bengi.

Ngurubu yanyu nini ibatie gwika micemano niguo makaheagwo mathomo ma uria mangihariria niundu wa marihi. Mwaka wa 2024 faida ya share, marihi ma mbere harihirwo na thimu. Marihi ma keri makirihwo ha voucher iria yekiragwo kirore na kumicokia mucemano-ini uria warumiriire niguo ithurimwo na irihwo.

TIST: Uria miti ingiethwo ihinyagiriria ngurubu nini yakwa.

TIST ikoretwo ikiguciriria mbei njega thoko-ini ya carbon niundu wa kumenyerera miti miaka maingi na kwa uguo gutuma miti ikure iri minene oro mwaka, iria ithimitwo, iria itaritwo ni aruti wira a clasta. Miti oro ho ni ithurimagwo ni gikundi gia atari gia gatatu (Third-Party Auditors)

Carbon credits iria athondeketwo yendagio kuhitukira TIST trademark, na kwa uguo anyitaniri a TIST magayanaga trademark imwe.

Kugetha kwa miti guthukagia ngurubu yakwa na-;

- ☐ Gute tonnes,
- ☐ Thogora wa tonnes guthii thi,
- ☐ Gute makastomers hamwe na mangi maingi.

Riria twatee tonnes kuma kuri miti iria yagethwo, ngurubu yakwa ni irihagwo miti iria igethetwo na ngurubu ingi kana ngurubu cia TIST tondu no nginyagia tuthondeke tonnes iria ciurite.

Uria ungiteithia:

- ☐ Itikira kuiga miti yaku kwa ihinda inene.
- ☐ Handa miti maingi na makiria ya kimerera, matunda.
- ☐ Angikorwo ni ui ngurubu yothe nini iria itemete miti yao, menyithia mutongoria wa clasta kana muruti wira wa clasta. Ngurubu iyo ndikamukira marihi.



Iga miti yaku igikuraga: Ndugateme. Handu ha uguo hurura kana uthathaure ungibata ngu.

Arimi aingi thiini wa TIST nimeheragira gutema miti no magaceha thamburi kana guthathaura iria ihanditwo ikuhaniririe thi ya 2 meters niundu wa mabataro ma ngu.

Gitumi gia kugia na kuhururwo kwa miti mahinda kwa mahinda niguu kugia na miti gukura wega muti ukagia na ugima. Iria cia hururwo cituheaga ngu, ikingi, materio cia gwaka, na wagiriru guthii kuri arumiriri a TIST. Giki nikio gitumi kiria gitumaga tugie na mititu na tukagetha makiria 5% ya miti oro mwaka, thutha wa miti gukinyia miaka ikumi.

Riria mumemba wa TIST eciria kugetha miti, kirona gitagagwo kuri amemba a TIST thiini wa ngurubu yao nini, clasta na Kenya yothe. Giko kia andu anini kiahota guthukiria andu othe. Turehoka amemba a ngurubu nini ingi cia clasta gutigirira ati gutiri miti iratemwo itakinyitie mahinda ma gutemwo.

Riria twekira kirore thiini wa GhG Agreement, tugaga ni tukumenyerera mati iria tuhandite na TIST niguu ikure kinyagia miaka 30 itari ya gethwo. Giki ni gitumi kimwe kiria gitumaga twithugunde ni miti iriku tukuhanda migunda-ini itu. Gutaganura na gukonya ni guteithagia miti kugia na ugima na kugia na maumirira mega riria irakura.

Gitumi kia guthathaura na guceha miti ni kuhe miti ugima, kuiga mutitu wega. Undu uyu uhanikaga niguu kugitira wega miti na mutitu na guthathaura iria ingi. Miti no ikorwo na utiganu kuringana muthemba wa muti, kutis iti, muthemba wa uhandi (woodlot, gutukanio na mimera ya irio, na ruhuho), na riera, na maundu mangi maingi.

Gukura uri na hinya, ugima wa miti, uheaga miti utiganu mwega uria uheaga mai ma kuigana na irio nigu ukure wega. Ungihanda ukuhaniririe muno ni wega riria miti iri minini. Yathii na mbere na gukura, miti imwe igakorwo iri minene na mitungu gukira ingi. Ino niyo miti iria ubatie kuiga. Niguu umenye miti iria ukweheria, rora miti iria miega na iria itaganite wega. Angikorwo hatiri, eheria miti iria ikuhaniririe.

Riria turathathaura, ririkana ati kuringanaga ma mithemba ya miti. Angikorwo mango ikurite hakuhi na miti ya guka, muti wa mango no ukorwo uri munini na gukura kahora gukira miti ya guka no ndubatie gutema ati tondu ni munini! Muti wa mango ni wabata ni gukorwo ni utuheaga matunda na kwendia.

Undu uria mwega riria turathathaura.

- Reke muti wa irio ukure nginya muico.
- Thathaura iria itari miega (muigana wa miti hari acre) Thiini wa TIST, tuthuraga kinyagia 5% ya miti itu, thutha wa miaka 10, guthathaura oro uria irakura, na gutuhe faida.
- Eheria miti iria iroma, mirwaru, irabutha, na iria mihomu.
- Gitira miti kugwirwo ni iria ingi.
- Menya miti iria ihanditwo kwa uingi.
- Gitira mititu yaku hari tutambi na mirimu.
- Nyitanira na honge cia thirikari kugitira mititu na mirimu.
- Gitira kumanagia na miaki.



TIST: Kuhimbiria honge ingi cia ukinyaniria.

Handu-ini ha miaka maingi, arimi a TIST makoretwo makiamukira uhoro kuhitukira ngathiti ya *Magingira Bora* na micemanio ya clasta.

Umuyhi, thi ni ithiite na mbere na ukinyaniria wa mithemba ni ukite. Andu aingi ni moi uhoro wa Facebook, Whatsapp, Twitter (X), Tiktok, Instagram na channels ingi nyingi. Channels ici ni ihunjite na ingitumirwo wega, no ci tuteithii gukinyaniria uhoro.

Thiini wa TIST, ni turathii na mbere kugia na channels citu. Umuthi turi na USSD codes, TIST Learning Center, TIST Chatbot, TIST Mobile website, TIST website.

TIST USSD codes guku Kenya ni *709# na *789*7000#. Namba ya *709# ni ya Safaricom na miti yao. Namba ya *789*7000# ni code ya kugayana na networks ing (Airtel, Telkom, Safaricom) na irihagia Kshs 1 kuhuthira. Code ciothe ciri ho gutumirwo ni mundu wothe uri na smart phones na aria mahuthagira thimu cia “kabambe”. Uguo ni kuga arimi aingi aitu ni maritukinyagira. Riria wa hihinya code ici, ni ukuona/uthome uhoro wa TIST na kurora maundu ma gikundi kianyu.

TIST Learning Center no umione kuhitukira online webpage. Ubatie gukorwo na smartphone, computer, tablet na ukorwo na internet. No utuone kuhitukira <https://learn.tist.org/>. TIST Learning Center iri na maundu mothe maria TIST ithomithagia. Ni uguthoma maundu maingi ma TIST. Kwa uguo, ni iguteithia ngurubu nini kuingira TIST.

TIST Chabot ni Artificial Intelligence (AI). Ni ya gwetha ta Google, Chatbot kana AI tool / app ingi oro yothe. Iteithagia guchokia kiuria oro giothe uhoro wa TIST kana ngurubu yaku nini. Mutambo uyu no urathii na mbere gukurio. Warikirira, ni tukumenyithia arimi othe a TIST. TIST Website ikinyagirwo kuhitukira www.tist.org. Haha, ni ukuona uhandi wa miti wa ngurubu yanyu nini ta uria itaritwo na aruti wira a clasta. Oro ho ni ugukinyra ngathiti ya TIST.

TIST Mobile Website. . www.tist.org/mobile. Haha, no nginyagia wandike “Guest”. Page ino ni igukuhe uhoro wa clasta, na ngurubu yanyu nini na uria mathomithagio.

Matuku maguka, ni turimwira uria murihingura TIST Facebook, TIST Tiktok, TIST community Whatsapp na channels ingi.



Bata wa miti.

Miti niiri bata wa maundu
maria maturigiciirie.

A. Kwagirithia maria maturigiciirie:

- Miti niihumbagira tiiri, njira iria iugitagira kumana na ruhuho na maai.
- Mahuti magwa thi nimatumaga iiri ugie na ugunyu.
- Mahuti magwaa thi nimongagirira thumu tiiriini.
- Miri ya miti niinyitagirira tiiri kumana na gukuuo ni maai.
- Miri ningi niiteithagia maai kuingira tiiriini
- Miti niyagiragia riera na ikaingiria maai rieraini.
- Miti niitheragia riera na njira ya kugucia carbon dioxide na kuruta oxygen.
- Miti niikoragwo na kiiruru.

B. Indo cia micii na cia kuria:

- Indo cia gwaka(mbau, rugiri, ndigi etc).
- Ngu.
- Dawa.
- Irio cia mahiu.

Maundu maya nimakoragwo na umithio kuri arimi othe thi yothe. Uthuthuria uria wikitwo ni TIST thiini wa Kenya wonanitie ati umithio wa matunda na iria cia mahiu na ngu kuma mititni iria ihanditwo ni arimi a TIST niikoretwo ikiongereka kumana na urmi wa Kilimo Hai na igateithia arimi na 37,000 hari o murimi. Niuritu kumenya umithio kumana na tiiri na riera riega na maundu mangi maingi no nituonete TIST igiteithia arimi o muthenya.

Kwa uguo kuhanda miti nikuo kumgiteithia arimi na matuura. Tawicirie maundu maria tungika riria twahanda miti ino turi hamwe!

Mazingira Bora

tist Growing Trees
Growing Leaders

Newsletter January 2026

1. We are Honest
2. We are Accurate
3. We are Transparent
4. We are Servant to each other
5. We are Mutually Accountable to each other

www.tist.org

Kiswahili Version

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Wakulima wapya wa TIST wakati wa Semina ya hivi karibuni iliyofanyika Novemba mwaka jana.

- Ndani ya Gazetti:** ✓ **TIST: Kuelewa jinsi Carbon Faida kushiriki malipo kazi. Uku. 2**
- ✓ **TIST: Jinsi mavuno ya miti yanavyoathiri kikundi changu kidogo. Uku. 3**
- ✓ **Endelea kuhifadhi miti yako: Usikate, badala ya hivyo, kata au unyevu kwa ajili ya mahitaji yako ya kuni. Uku. 4**
- ✓ **TIST: Kukumbatia njia nyingine za mawasiliano. Uku. 5**
- ✓ **Umuhimi wa miti. Uku. 6**



TIST: Kuelewa jinsi Carbon Faida kushiriki malipo kazi.

Kama ilivyoainishwa katika Mkataba wa Gesi ya Jengo la Kijani Kikundi chako Kidogo kilichosainiwa na CAAC, malipo hufanywa kwa Vikundi Vidogo ambavyo vinatimiza mahitaji ya ustahiki wa TIST na Mkataba wa GHG. CAAC italipa Kikundi Kidogo Sehemu yao ya Faida kama ifuatavyo:

Carbon Faida Kushiriki. Ikiwa inastahiki, kila mwaka CAAC italipa Kikundi Kidogo sehemu yake ya 70% ya Faida ya Carbon iliyopatikana katika mwaka uliopita bila malipo yoyote ya chini ya awali (iliyojulikana kama malipo ya mapema).

- **Faida ya kaboni** inafafanuliwa kama mauzo ya jumla ya mikopo ya kaboni ikipunguzwa jumla ya gharama za kuunda, kufuatilia, kuhakikisha na kutoa mikopo ya kaboni na kusimamia mauzo hayo.
- ii. Kama Faida kwa mwaka ni sifuri au kiasi hasi, Kundi ndogo si kupokea yoyote Faida Sehemu mpaka CAAC ina Faida chanya.
- Sehemu ya Kikundi Kidogo ya Faida ni hisa yao ya kaboni iliyokusanywa iliyogawanywa na hisa ya jumla ya kaboni iliyowekwa kwa TIST. Kikundi Kidogo kinastahiki kwa sehemu yake ya 70% ya Faida ikiwa mashamba ya kazi yanakidhi yafuatayo:
 1. Miti yake imehesabiwa na kupimwa kwa usahihi na matokeo yameonyesha kaboni iliyowekwa,
 2. Miti yake TIST wamekuwa quantified katika miezi kumi na nane (18) iliyopita,

3. Taarifa zote zinazohitajika kwa ajili ya grove's Baseline zimeripotiwa kwa usahihi, na
4. Kikundi Kidogo kimesaini na kuwasilisha Mkataba wa GHG.

Kumbuka Muhimu: Kukata Miti hakupendekezwi sana. Ikiwa Kikundi Kidogo kinakata miti yake, basi Kikundi Kidogo hakitapata malipo yoyote. Tafadhali soma makala iliyo hapa chini **“Zidisha Miti Yako: Usikate. Badala yake kata au unyevu kwa ajili ya mahitaji yako ya kuni”**.

Kumbuka, kwa mkulima mmoja mmoja kushiriki katika TIST, wanahitaji kuunda Kikundi Kidogo na kupanda miti. Wanachama wa kundi huhifadhi umiliki wa ardhi na miti, wakati TIST (kupitia Clean Air Action Corporation) inauza kaboni iliyowekwa.

Vikundi vidogo vinahimizwa kuhudhuria Mikutano ya Cluster ili kujifunza zaidi kuhusu TIST na Biashara ya Carbon, Shiriki Mazoea yao Bora na kujifunza kutoka kwa kila mmoja. Mikutano ya Cluster imethibitishwa kusaidia wakulima wengi kuongeza uzalishaji na matokeo ya shamba lao.

Kwa sisi kujua ni kiasi gani miti yako na katika suala la kaboni, **Quantification na uthibitisho** ni hatua muhimu katika mchakato. TIST Cluster Servants usahihi kuhesabu na kupima miti na data ni kumbukumbu. Wahasibu huru wa chama cha tatu kisha kuthibitisha faida zote zinazoonekana na miti ya Kikundi chako Kidogo na kuthibitisha utunzaji wa kaboni kuhakikisha uwazi na uaminifu.



Wachunguzi hawa wa tatu (kwa kawaida hujulikana kama Verifiers) hutoa ripoti yao kwa taasisi nyingine inayojulikana kama Verra. Verra kuangalia tena kwa uangalifu sana ili kuhakikisha kuna uaminifu, uwazi na usahihi wa tani za kaboni ambazo TIST kupitia Cluster Servants wamekusanya na kusawazishwa kwenye hifadhidata.

Ikiwa Verra ameridhika, hatua inayofuata ni Uuzaji wa **Mikopo ya Carbon**. Mikopo yako ya kaboni ya Kikundi Kidogo (pamoja na yale ya Vikundi vingine vidogo) huuzwa katika soko la kaboni la hiari la ulimwengu, mapato yanashirikiwa na wakulima. Wakulima wa TIST hupokea 70% ya faida kutoka kwa mauzo ya

mikopo hii ya kaboni iliyothibitishwa Kupokea mchakato malipo voucher.

Malipo ya sehemu ya faida yanafanywa kwa uwazi kupitia pesa za rununu, mfumo wa vocha na akaunti za benki.

Kikundi yako ndogo haja ya kuhudhuria mkutano nguzo ya kupokea maelekezo juu ya jinsi unahitaji kujiandaa kwa ajili ya malipo. Kwa ajili ya 2024 Faida Kushiriki, malipo ya kwanza ni kulipwa elektroniki. Malipo ya pili yana dhamana ya kusaini na kurudisha dhamana iliyosainiwa katika mkutano ujao wa nguzo kwa idhini na malipo.

TIST: Jinsi mavuno ya miti yanavyoathiri kikundi changu kidogo.

TIST daima imekuwa na uwezo wa kuvutia bei premium katika soko la kaboni kwa ajili ya kudumisha miti kwa muda mrefu na hivyo kuwezesha miti kukua kubwa kila mwaka, miti ni usahihi kipimo, kuhesabiwa na Cluster Servants. Miti ni pia kuthibitishwa na kuthibitishwa na Tathmini ya chama cha tatu Mikopo ya kaboni iliyoundwa huuzwa kwa kutumia alama ya biashara ya TIST, na kwa hivyo washiriki wote wa TIST wanashiriki alama hiyo hiyo ya biashara.

Kukata miti huumiza kundi langu kwa-;

- ☐ Kupoteza tani,
- ☐ Bei ya tani zetu kwenda chini,
- ☐ Sisi kupoteza wateja imani kati ya masuala mengine.

Wakati tuna tani waliopotea kutoka miti kuvunwa, kundi langu kupata fidia kwa ajili ya miti kuvunwa na kundi jingine au makundi mengine TIST kama tuna kuunda tani waliopotea.

Jinsi unavyoweza kusaidia:

- ☐ Hakikisha wewe kuweka Miti yako kwa muda mrefu.
- ☐ Panda Miti zaidi hasa ya Asili, Miti ya Matunda na Matunda.
- ☐ Kama unajua yoyote Small Group ina kukatwa miti yao, tafadhali ripoti hii kwa Kiongozi wako Cluster au Cluster Mtumishi. Kundi kama hilo halipaswi kupokea malipo.



Endelea kuhifadhi miti yako: Usikate, badala ya hivyo, kata au unyevu kwa ajili ya mahitaji yako ya kuni.

Wakulima wengi katika TIST wanaepuka kukata miti lakini badala yake hukata matawi au kunyoosha baadhi ya yale yaliyopandwa karibu kwa karibu chini ya mita 2 kwa mahitaji yao ya kuni.

Kusudi la kupogoa kwa ukawaida ni kufikia ukuaji wa juu na thamani ya miti iliyoachwa imesimama. Vipande hivyo pia huandaa kuni, nguzo, vifaa vya ujenzi, na faida nyingine moja kwa moja kwa washiriki wa TIST. Hiyo ndiyo sababu tuna sera ya kuunda msitu endelevu kwa kuvuna tu kiwango cha juu cha 5% ya miti kwa mwaka, baada ya miti kuwa na umri wa miaka 10.

Wakati mshiriki wa TIST wa mara kwa mara anaamua kuondoa msitu wao, wanawaumiza wanachama wengine wote wa TIST katika Kikundi chao Kidogo, katika Kikundi chao na katika Kenya yote. Matendo ya watu wachache sana yanaweza kusababisha matatizo makubwa kwa kila mtu. Tunatarajia wanachama wengine wa Kikundi Kidogo na wanachama wa Kikundi kuwa makini na kuhakikisha kwamba hakuna mtu kukata miti kabla ya wao wanatakiwa.

Tulipotia saina Mkataba wa GhG, tuliahidi kutunza miti tunayoipanda kwa TIST kuiruhusu kukua kwa miaka 30 kabla ya kuvuna. Hii ni sababu moja ni muhimu sana kufikiri kwa makini kuhusu aina ya miti tunataka kukua katika mashamba yetu. Kupunguza uzito wa miti na kuikata kunaweza kuifanya iwe na afya nzuri na kutokeza mazao muhimu miti inapokua.

Kusudi la kupogoa miti ni kuboresha afya ya mti mmoja-mmoja, na pia afya ya msitu kwa ujumla. Hii hufanywa kwa kulinda miti “bora” katika msitu na kupunguza ile mingine. Miti inaweza kuwa na mahitaji tofauti ya nafasi ikitegemea spishi, mahali, mtindo wa kupanda (mashamba ya miti, yaliyoingizwa katika mashamba ya mazao, au upepo), na hali ya hewa, lakini kanuni fulani za jumla zinatumika.

Ili miti iwe na nguvu na iwe na afya, inapaswa kuwa na nafasi ya kutosha ili iweze kupata maji

na virutubisho vya kutosha ili iweze kukua kikamili. Miti inapokuwa michanga, inaweza kutenganishwa kwa ukaribu zaidi. Miti hiyo inapoanza kukomaa, miti mingine itakuwa mikubwa na yenye nguvu kuliko jirani zake. Miti hiyo yapasa kuhifadhiwa. Unapoamua ni miti gani inayopaswa kuondolewa, angalia miti iliyo bora na uone ikiwa imewekwa mahali panapofaa. Ikiwa sivyo, unapaswa kuondoa miti fulani iliyo karibu.

Unapofanya maamuzi ya kupunguza uzito, kumbuka kwamba kiwango cha ukuzi hutofautiana sana kulingana na spishi. Ikiwa mti wa mango unakua karibu na miti mingine mingi isiyo ya kawaida, huenda mti huo ukawa mdogo sana na usikue polepole kuliko miti hiyo inayokua haraka, lakini haupaswi kukatwa kwa sababu tu ni mdogo! Mti wa mango ni muhimu sana kwa sababu ya manufaa yake katika kutokeza matunda kwa ajili ya chakula na uuzaji. Mazoea Bora Unapopunguza Uzito

- Acha miti ya mazao ikue kufikia ukomavu.
- Kupunguza kiasi cha miti (idadi ya miti kwa ekari). Katika TIST, tunaweza kuchagua hadi asilimia 5 ya miti yetu, baada ya miaka 10, kupunguza kwa kuchagua kama wao kukua, na kutoa mapato.
- Ondoa miti inayokufa, yenye ugonjwa, inayooza, na isiyo na ubora.
- Kulinda miti kutokana na uharibifu wa ukataji miti.
- Kukuza aina mbalimbali za miti.
- Fuatilia msitu wako kwa ajili ya milipuko ya wadudu na magonjwa.
- Kushirikiana na mashirika ya serikali katika kudhibiti wadudu wa misitu na milipuko ya magonjwa.
- Kuzuia mioto ya msitu.



TIST: Kukumbatia njia nyingine za mawasiliano.

Kwa miaka mingi, Wakulima wa TIST wamekuwa wakipokea mawasiliano kupitia *Mazingira Bora Newsletters* na katika mikutano ya Cluster.

Leo, ulimwengu umebadilika na njia mpya za mawasiliano zimeibuka. Watu wengi sasa wanafahamu Facebook, Whatsapp, Twitter (X), Tiktok, Instagram na vituo vingine kadhaa vya mtandaoni. Sasa njia hizo zimeenea sana na zikitumiwa vizuri, zinaweza kutusaidia sana kuwasiliana.

Katika TIST, sisi ni kuendeleza njia zetu wenyewe mpya za mawasiliano. Leo tuna codes za USSD, TIST Learning Center, TIST Chatbot, TIST Mobile website, TIST website.

Nambari za TIST USSD nchini Kenya ni *709# na *789*7000#. *709# ni nambari ya Safaricom na ni bure. Nambari ya *789*7000# ni nambari inayoshirikiwa na mitandao mingine (Airtel, Telkom, Safaricom) na inagharimu mtumiaji Ksh 1. Nambari zote mbili zinapatikana kwa watu wanaotumia simu mahiri na wale wanaotumia simu za “kabambe”. Hii ina maana kwamba wakulima wetu wengi wanaweza kupata kwa urahisi. Wakati wewe dial yoyote ya codes hizi, utakuwa na uwezo wa kuona / kusoma taarifa kuhusu TIST na kuwa na uwezo wa kuangalia hali yako Small Group.

TIST Learning Center ni kupatikana kwa njia ya mtandao wa mtandao. Unahitaji kuwa na smartphone, kompyuta, kibao na kuwa na mtandao. Utaipata kupitia <https://learn.tist.org/> TIST Kituo cha Mafunzo inatoa kwa mfuko kamili wa TIST Mafunzo. Utaweza kujifunza zaidi kuhusu TIST. Zaidi ya hayo, inasaidia mpya Small Group kufanya maombi ya kujiunga TIST.

TIST Chabot ni zana yetu ya Artificial Intelligence (AI). Ni injini ya utafutaji tu kama Google, Chatbot au yoyote zana AI / programu. Inasaidia kujibu maswali yoyote unayo kuhusu TIST au Kikundi chako Kidogo. Chombo hiki bado ni katika maendeleo. Wakati ni kamili, sisi kuwasiliana na wakulima wetu wote TIST.

TIST tovuti ni kupatikana kupitia www.tist.org. Hapa, utaweza kuona matokeo ya kupanda miti ya Vikundi vyenu Vidogo kama ilivyohesabiwa na Watumishi wa Kikundi chenu. Wewe pia kuwa na uwezo wa kupata zamani TIST Newsletters.

TIST Mobile Website. www.tist.org/mobile. Hapa, utahitajika kuingia kama mgeni. Ukurasa huu itakupa taarifa kuhusu Cluster yako, Kundi yako Small na Mafunzo.

Hivi karibuni, tutashiriki maelezo zaidi juu ya jinsi unavyoweza kufikia ukurasa wa Facebook wa TIST, TIST Tiktok, jumuiya ya TIST Whatsapp na vituo vingine.



Umuhimi wa miti.

Miti ni muhimu sana kwa sababu za kimazingira na kibidhaa:

A. Kuboresha mazingira:

- Miti hufunika mchanga, tendo ambalo hulinda mchanga kutokana na mmomonyoko unaosababishwa na upepo na maji.
- Majani na matawi huanguka ardhini na kuoongeza madini mchangani.
- Miti huongeza unyevu mchangani kwa kuufunika mchanga na kupunguza **evaporation**.
- Mizizi ya miti husaidia kuushika mchanga na hivyo basi kupunguza mmomonyoko.
- Mizizi husaidia maji kuingia mchangani na hivyo basi kuboresha mzunguko wa maji yaliyo chini ya ardhi.
- Miti huboresha hali ya anga ya ilipopandwa kwa kuongeza unyevu hewani (kuoneza ubaridi).
- Miti huboresha uzuri wa hewa kwa kunyonya hewa chafu na kupumua hewa safi.
- Miti hutupa kivuli na pa kujifunika.

B. Thamani ya kibidhaa na kilishe:

- Bidhaa za kujenga (vyombo vya kutumia ndani ya nyuma, gogo, kamba na kadhalika).
- Kuni au makaa.
- Dawa.
- Lishe ya watu na ng'ombe.

Faida hizi ni zenye thamani sana kwa mkulima na kwa dunia yote. Utafiti wa hivi juzi wa wakulima wa TIST katika Kenya ulionyesha kuwa thamani ya matunda, lishe ya ng'ombe na kuni kutoka kwa miti waliyopanda wakiwa TIST na mavuno bora kutokana na Ukulima Bora ilifika elfu thelathini na saba kwa kila mkulima. Ni ngumu kupima thamani ya faida za mchanga baridi na wenye unyevu zaidi na faida zingine za kazi tunayofanya katika TIST, lakini tunaiona thamani hii mashambani mwetu kila siku.

Kupendakeza upandaji wa miti hivyo basi, ni muhimu sana kwa jamaa. Fikiria ambayo twaweza kufanya kukipanda zaidi tukiwa pamoja!

Mazingira Bora

tist Growing Trees
Growing Leaders

Newsletter January 2026

1. We are Honest
2. We are Accurate
3. We are Transparent
4. We are Servant to each other
5. We are Mutually Accountable to each other

www.tist.org

Kikamba Version

TIST is an innovative, time - tested, afforestation program led by the participants.

Dial *709# (Safaricom) or *789*7000# (Other Networks) and get to know more about TIST and your Small Group. Follow the prompts. Safaricom is Free.



Aimi eu ma TIST nthini wa semina ila inai mwai wa ikumi na umwe mwaka muthelu (2025).

- Inside:**
- ✓ **TIST: Kuelewa undu ndivi ya vaita wa kuaana wa nzeve itavisaa wikawa.** Page 2
 - ✓ **TIST: Undu kuketha miti kutonya kuete kivathukanio kwa kakundi kakwa.** Page 3
 - ✓ **Ikalya miti thayu: Ndukateme miti indi kita usea na kuola ethwa ningu ukwenda.** Page 4
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TIST: Kuelewa undu ndivi ya vaita wa kuaana wa nzeve itavisaa wikawa.

Kwianana na undu kuandikitwe wiw'anoni wa Green House Gas ula kakundi kenyu keekiie saii na CAAC, ndivi nnisyikawa kwa tukundi tunini tula tuatiie mawalany'o ma TIST na wiw'ano wa GHG. CAAC ikaiva tukundi tunini vaita watw'o ta uu:

Vaita wa nzeve itavisaa wa kuaana. Ila iivawa kila mwaka CAAC ikaiva kakundi kilungu kya 70% vaita wa kuma utandithyani wa nzeveni itavisaa.

- **Vaita wa nzeve itavisaa:** yithiawa yi thooa w'on the wa nzeve itavisaa kuola utumiku (expenses) ula nita kuseuvya na kusyaiisya kuungamii na kuvikya nzeve ino itavisaa kwa ala mathooasya na ala mauaa.
- Ethiwa vaita ula wakwatikana kwa mwaka ndwivo kana kakundi kau kanakwata ueti kakundi kau kayiailawa vaita ona umwe muvaka yila meithiwa matonya useuvya vaita kwisila CAAC.
- Kakundi kakanini kaaiawa vita kumana na kumbanya sitoko ya nzeve itavisaa ya aanwa na sitoko mbumbanye ila thianye na mbitungithye ni TIST. Kakundi kau nikaile ukwata vaita wa kuaiwa wa kilungu kya 70% ethiwa miti yoo nivikiie mawalany'o aya.
 1. Ethiwa miti yoo nimitale nesa na ikathimwa na usungio ukonanw'a kwa nzia ila yale.
 2. Ethiwa miti yoo ila ya TIST nimithiane na kuvitukithwa nthini wa myai 18 mivitu.

3. Uvoo w'oonthe wa miti ila yaivo wina livoti nzeo na yaw'o.
4. Ethiwa kakundi kenyi nikekiite ngiithilo wiw'ano wa GHG.

Undu wa Vata: kutemanga miti nikulenitwa nakw'o. Ethiwa kakundi kakatemanga miti yoo, kakund kau kaitonya ukwata ndivi. Kwandaia soma ithangu yii vaa itheo ***"Ikalya miti thayu, Ndukateme, indi kita usea ethiwa nukenda ngu"***

Lilikana, kwa kila muimi ukwenda kuthukumana na TIST nonginya aseuvye kakundi kanini na kuvanda miti. Amemba ma kakundi kaa nimekwikalya miti yiyoo na itheka syoo, nayo TIST kwisila Clean Air Action Corporation niyo imathaa soko wa uta nzeve itavisaa (Carbon Credits.)

Tukundi tunini nituthuthaw'a kuvika umbanoni wa kila mwai na kwimanyisya mbeange na TIST iulu wa viasala wa nzeve itavisaa, mawiko maseo na kumanyiany'a aimi kwa aimi. Ingi nthini wa mbunbano sya ngwatanio aimi nikindu kithiitwe kitethetye aimi kwa wingi na kutetheesya kwongela usyao.

Nikana tumanye miti yaku yina nzeve itavisaa yiana ata, nituthianaa na kuvitukithya tuatiie matambya mavata. Athukumi ma ngwatanio sya TIST ni matalaa na kuthima miti na kwikia lekotini uvoo usu wa kikundi. Ingi nivokaa mundu wa katatu wa ukunikila withianu wa utalo uu na kususya vaita wengee na miti ila kakundi kenyu kenayo na kususya kana utalo na uthiani ula wikitwe ni athukumi ma ngwatanio sya TIST wina wumilu na withianu.



Mundu uu wa katutu ula witawa Auditor kana muvitukithya nunenganae livoti kwa muvea ungi witawa Verra, verra nayi niasya na kukunikila ingi kana vena ukiiku, umilu na uw'o iulu wa tani sya nzeve itavisaa ila TIST inenganite kwisila kwa athukumi mayo na kana nikuendanya na uvoo ula ungi ukunikilitwe ni ngava isu ingi.

Ethiwa verra niyeaniwa, itambya yila yindi ni kutandithya nxeve ino itavisaa (Carbon Credit sales). Nzeve ya Kakundi kenyu itavisaa vamwe na tukundi tungi nitesawa sokoni wa nthi / ndunia yonthe na kila kya kwatikana kuaaniw'a aimi vala aimi ma TIST makwataa vaita wa kilungu kya 70% kuma utandithyani iuu wa carbon credits.

Kukwata mathangu ma Ndivi: Vaita wa kuaana niwikawa kyenini vala uivawa kwa nzia ya simy na mathangu na kwisila Vengi.

Kakundi kenyu nikaile kuvika umbanoni wa ngwatanio sya TIST nikana kukwata mwolooto undu wa kwika nikana kukwata ndivi. Kwa vaita wa kuaana wa mwaka 2024, ndivi sya mbee ni kwa nzia ya simu, ndivi ya keli kwa nzia ya ithangu vala mwikiaa saii na kutunga na kweteela umbano ula uatiie wa ngwatanio ya TIST nikana kukwata ndivi.

TIST: Undu kuketha miti kutonya kuete kivathukanio kwa kakundi kakwa.

TIST kwa ivinda iasa ninenganae thooa museo wa nzeve itavisaa kwa ala mekalya miti yoo kwa ivinda iasa na kutuma yiana na kuneneva kila mwaka, miti ino nithimawa nesa, ikatalwa ni athukumi ma ngwatanio sya TIST. Miti ino nitalawa nan a kuvitukithw'a ni andu makatatu (Auditors).

Nzeve itavisaa nitesawa maitumia uvano (trademark) wa TIST na kwoou aimi onthe ala me thini wa TIST matumiaa uvano umwe (trademark) wa TIST.

Kuketha miti ya TIST kutonya kuete wasyo kwa kakundi kakwa kwa:

- ☐ Kuete wasyo wa tani.
- ☐ Thooa wa tani kutheea.
- ☐ Kwasya atgooi nundu wa kwasya muikiio naitu kati wa maundu ang.

Yila twaasya tani sya nzeve itavisaa nundu wa miti kukethwa, kikundi kyakwa ni kikuviwa kwa miti isu mikethe ni kikundi kingi kya TIST nundu nitwaile useuvya tani ingi kuivia isu mbau.

Tutonya kutetheesya ata?

- ☐ Ikiithya niwekalya miti yaku kwa ivinda iasa undu vatonyeka.
- ☐ Vanda miti kwa wingi munamuno miti ya kiene, mitunda na mbindi/ngii.
- ☐ Kethiwa niwisi kakundi kamwe katemete miti yoo, kwanda manyithya mutongoi wa ngwatanio yenyu kana muthukumi wa ngwatanio yenyu ya TIST. Kakundi takau kayaile ukwata ndivi.



Ikalya miti thayu: Ndukateme miti indi kita usea na kuola ethwa ningu ukwenda.

Aimi aingi nthini wa TIST maitemaa miti yoo indi mekaa usea ngava na ila ivanditwe mithungu yina utaniinisyo munini kwi matambya eli ikalolwa nikana itaanie nesa kwa muimi ula ukwenda ngu.

Kitumi kya kwikala itaaniw'a ni kana kuvikia kwiana undu vaile na kwongela lato wa muti ula watiwa uungye. Yila tuusea kana kuola miti ila mithungu nitukwataa ngu, miti ya misomo, miti ya kwaka na vaita ingi ila ikwatawa ni muimi wa TIST. Kii nikyo kitumi kila twithiawa na walany'o museo wa kwikalya mititu kwa kukethya inyingiva kilungu kya 5% kya miti ila tuvandite kwa mwaka, itina wa miti ino kuvikya myaka 10.

Yila kwa ivuso memba wa TIST waamua kutemanga miti yake, ethiawa aete wasyo ka TIST yonthe kwambii kakundi kake kala ke ngwatanioni ya tist ila yi Kenya. Meko ma andu avuthu ma kutema miti nikitonya kuete wasyo kwa kila umwe. Twiikwatya kana kila memba wa kakundi na memba wa ngwatanio kwikia maanani na kuikiithya vai miti inatemwa mbee wa ivinda yila yaile.

Yila tweekia saii wiw'ano wa GhG, twithiawa tweeyumya kuikiithya nitukwikalya miti ila twavanda ya TIST kwa ivinda yiinyiva myaka 30 mbee wa kumiketha. Kii ni kitumi kimwe kyavata kya munndu kwisilya ni mithemba yiva ukwenda uvanda muundani kana kithekani kyake. Kusea na kutaanisa miti nikutetheeasya kua miti miseo na kutunenga vaita omiti iendee na kwiana.

Kitumi kya utaanisa na kusea miti ni kwenda kila muti wiane nesa na mititu iyana yina uima museo. Kii kikawa kwa kusuvia miti ila miseo nthini wa mutitu kwa kuola ila itena vinya. Miti niyithiawa na wendi kivathukanio wa mwanya kwianana na muvai wa muti, vala wavandwa, muvandile wa muti uvinduku wa nzeve indi maundu amwe methiawa undu umwe kwa miti yonthe.

Nikana kwiana nesa miti niyendaa utaaniu wianie nikana withie no ikwate kiw'u kianu, liu mwianu nikana muti wiane vyyu undu waile. Miti kuvandwa ithengeanie niyitikilikaa ila miti minini. Miti yambii kuima miti imwe ninenevaa kwi ingi. Miti ino niyaile kwikala, uyiamua ni muti wiva uuveta sisya miti ila miseo na uiamua kana mwanya ula watia ni waile, ethiwa niyathunga muno ola imwe ila iteanite nesa.

Yila ukuola miti lilikana kana miti mithemba kivathukanio yianaa kivathukanio. Kethiwa muti wa muembe bukwiana katikati wa miti ya kuka, muembe uu nutonya kwiana kavola na ukethiwa wi muni nundu nivatonyeka miti isu ya kuka yianaa na mituki kwi muembe, kii ti kitumi kya utuma uveta muembe nundu ni munini! Muembe wina vaita munene nundu nuetae usyao wa matunda na liu utonya utewa.

Mawiko maseo yila ukuola miti.

- Eka muti wa liu/matunda wiane uime.
- Ola miti wikite isavu ya miti ila yaile ithiwa nthini wa eka umwe. Nthini wa TIST tuyuvaa kuvika 5% ya miti yitu itina wa kuvikya myaka 10 kwa kunyuva oundu iendee na kwiana na vaita ula miti ikuete.
- Vetanga miti ila miwau, iendee na ukw'a, ila ikwoa na ila ya mithemba myonzu.
- Suvia miti kumana na kuvalukilwa ni ila ikutemwa
- Suvia mithemba kivathukany'o ya miti.
- Ikala uisuvia miti yaku kumana na tusamy tula twanangaa na uwau.
- Ithiwa na ngwatanio na mivea ya silikali ila iungamie ma uwau ma mititu na tusamu tula twanangaa mititu.
- Siia miti yaku kwanangwa ni nyamu sya kithekani.



TIST: Kwitikilana na nzia ingu sya uneenania.

Kwa myaka mingi, aimi ma TIST nimethiitwe maikwata uvoo kwisila ithanguni ya Mazingira Bora nthini wa mbumbano sya ngwatanio sya TIST kila mwai.

Umunthi, ndunia nivindukite na kukoka nzia ingi sya uneenania. Andu aingi yu mena umanyi yiulu wa Facebook, Whatsapp, Twitter (X), Tiktok, Instagram na kyaneo ingi sya uneenania. Kyaneo isu yu ninyaiikite muno na nitumikaa nesa na nosyinthiwe sya utethyo kwa uneenania.

Thini wa TIST, nituendee na useuvya kyaneo kitu kya uneenania. Umuthi twina kondi sya USSD, Kimanyisyo kya TIST, vandu va TIST va Ukyati (Chatbot), TIST Mobile website, TIST website.

TIST USSD kondi nthini wa Kenya ni *709# and *789*7000#. Ii *709# ni koondi ya Safaricom itena ndivi. *789*7000# nbikondi itumikaa na na kambuni ingi sya mikumukanilye (Airtel, Telkom, Safaricom) Itilaa silingi umwe (Ksh 1) kwaula ukutumia. Kondi ii syeli syovo kwa mundu ula ukutumia simu ya usuna (smart phone) naula ukutumia simu ya (“kabambe”). Kuu nikways akana aimi aingi nimatonya uvikila uvoo na kusoma umanyisyo wa TIST matumia kondi ii ona kuisya undu kakundi koo kaendee nthini wa TIST kwa kuvinyiia kondi ii.

Kimanyisyo kya TIST (TIST learning center) niutonya kumivikia kwisila kwa webpage na niwaile ithiwa na simu ya usuna, kombyuta, tambuleti wina itaneti. Utonya umisoma kwisila

<https://learn.tist.org/> .Kimanyisyo kii kya TIST kiunengae uvoo musuu wa umanyisyo wa TIST. Niutonya kusoma vo mbeange iulu wa TIST na ingi kuutetheesya kuelewa undu utonya kuandikithya kakundi kenyu nthini wa TIST.

Vandu va uneenania va TIST (Chatbot) ni muio witu wa utuika wa matuku aa (Artificial Intelligence). Oundu nthini wa google engine utonya ukulya makulyo na makasungiwa now’o nzia ino ikuutetheesya nthini wa TIST kukulya makulyo iulu wa kjakundi kenyu na kusungiwa onakau tithelu na notuendee na useuvya mbeange. Yila twimina tukatavya aimi maitu ma TIST on the.

Website ya TIST nutonya kumivikila kwisila www.tist.org vaa nukwithiwa utonya kwona kakundi kenyu undu kavandite miti na undu kavitukithitw’e na kuthiana kwisila uvoo ula unenganitwe ni muthukumi wenyu wa ngwatanio ya TIST. Ingi ukwithiwa utonya kusoma mathangu ma *Mazingira bora* Newsletter ila mbituku.

Ethiwa wienda ulika kwa website na simu witumia www.tist.org/mobile. Vaa wiendeka ulike ta “Guest”, ithangu yii yiunenga uvoo yiulu wa ngwatanio na kakundi kenyu kanini na momanyisyo/movundisyo.

O mituki nituunengane uvoo mbeange undu utonya kuthoka nthini wa ithangu ya TIST Facebook, TIST Tiktok, na TIST community Whatsaoo na kyaneo ingi.



Vata wa Miti.

Miti niyavata muno kwa mawithyululuko nundu wa itumi ii:-

A. Kwailya mawithyululuko

- Miti niwika muthanga, na kuusiana na kukuwa ni kiseve kana kiw'u.
- Matu na ngava ila syavaluka nisyooa na kutwika liu kwa muti.
- Miti niyongelaa wiu wa muthanga nundu nisiiia kiw'u kukuwa ni nzeve kuma muthangani.
- Mii ya miti nayo niyovaa na kukwatany'a muthanga na kuola muthanga kukuwa.
- Mii ya miti ingi nitetheeasya kiw'u kunywa nthi na kwailya kiw'u kya ungu wa muthanga kuyaiikani.
- Miti niyailasya nzeve ya vandu kwa kuthithya nzeve.
- Miti nitheasya nzeve kwa kuveta nzeve itavisaa nzeveni ila ingi.
- Miti ninenganae muunyi na wivitho / Mawikalo.

B. Kutune unou ula waile na miti ya utumia

- Miti ya kwaka, kwikia wiio, makanda etc.
- Ngu.
- Ndawa.
- Liu wa andu na uithyo wa indo.

Vaita ula miti itunengai niwavata muno kwitu aimi na nthi yonthe. Ukunikili ula uneekiwe o mituki kwa aimi ma tist niwoonanisye kana matuna, mbindi, liu wa indo syonthe kuma mitini ila ivanditwe ni aimi ma TIST kwa nzia ya nima ya kusuvia ninenganite ueti museo na vaita wa silingi 37,000 kwa kila muimi. Ve vinya kwikia thooa kwa vaita ula umanite na uthithu, kimeu kya muthanga na nzeve nthu wivo vaita na useo ungi mwingi kumana na wia wa TIST, indi nitwiw'aa useo kila muthenya twi miundani yitu.

Kwoou ni useo munene kutavya angai vaita na vata wa kuvanda miti ala twi isioni imwe namo na mbaitu. Kweesilye undu tutonmya kwika tukavanda miti mingaingi mbee kwa vamwe!

Mazingira Bora

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Kipsigis Version

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Wakulima wapya wa TIST wakati wa Semina ya hivi karibuni iliyofanyika Novemba mwaka jana.

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- ✓ **TIST: Ikuiyen ole boisioito Pjeetab Melekweekab aldaetab Koristo.** Page 2
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TIST: Ikuiyen ole boisioito Pjeetab Melekweekab aldaetab Koristo.

Kou ole kikumwaita en koyonchinetab Green House Gas (GHG) ak Katuiyeng'ung' ne Ming'in ne kiinde siyeet ak CAAC, keliponching katuiyosiek che mengechen che kikoityi magutikab TIST ak koyonchinet ak GHG. Liponchin CAAC katuiyosiek che mengenchen Pjeutikab Melekweek kou ole isibu:

Kebebertab Pjeutikab Melekweek:

Angot ko ityin magutik, ko liponchin CAAC katuiyosiek che mengechen kebebertab 70% chebo Melekweekab aldaetab Koristo che konyorchigee en kenyit nekosirtoo che choton ko ng'etunonikab lipanosiek chekika kelipan en taa (choton ko rapisiek che ng'etu en che kika keliponchi katuiyet ne ming'in).

- **Melekweekab Koristo** ke ororu kele aldautik tugul chebo koristo kicherunen rabisiek che kokiboisien en taunet, kosibeet, ribeet ak kokoitoetab melekweekab koristo ak telelchinetab aldaet.
- Angot ko momii kiy ne kokinyor anan ko kaba mg'wong rabisiek en kenyit, ko monyorchingee kiy katuiyet ne ming'in en Pjeuyikab Melekweek akoi koit kasarta ne nyoru faidha kambunitab CAAC.
- Kebeberta ne nyoru katuiyet ne ming'in en melekweek ko basutikuak chebo koristo kerobchinen basutikab koristo tugul che kikiit en TIST. Katuiyet ne mingin ko magaat konyorchigee 70% en melekweek angot koityin osnenyuan tuguk che isibu:

1. Anot ko kikiit ketik ak kebiman ako kikiboor walutikab aldaetab koristo,
2. Angot ko kikiit ketikuak chebo TIST en arawek 18 che ko kosirto
3. Angot ko logoiwek tugul che kimoche akobo kiwotosiekab osnosiekuak ko kikikoito kou oleu, ak
4. Angot ko kikonde siyet Katuiyet ne Ming'in koyonchinet ak GHG.

Ng'oliot nebo Kamanutiet: Yetan missing ketil ketik. Angot koluul ketik katuiyet ne ming'in, ko monyorchingee katuiyet ne ming'in lipanosiek alak tugul. Kaikai soman logoiwek che mi ng'ony yu **'Riib ketikuk kosobcho: Mat iluul. Ne kata ilule Ichoru anan liste che kachilgee koik kwenikuuk'**

Ibwaat ile, asi komuch temindet age tuugul kotesta en TIST, ko nyolu kotoo Katuiyet ne Ming'in ak komiin ketik. Memaekab katuiyonoton ko ng'etu imbaret ko nenyuan koboto ketik, ko TIST (koyoob Clean Air Action Corporation) koi cheek che yoe aldateba koristo.

Kicheere katuiyosiek che menegechen koitita tuiyosiekab isasamet asi konetgee che chang akobo TIST ak Mung'aretab Koristo, koai Ortinek che miach chebo Boisiet, ak konetgee kiy koyob icheget.

En echeek asi kimuuch kenai kele koinem koristo ne tiana ketikuk, **ko Koitetak Chigilet** ko kokwkoutik chebo komonutiet. Kiboitinikab



Isasamet koite komie ak kobiman ketik ak kekonor ng'alechoton. Mi chigiliik che tononchingee che chigili komie kelchinoik che togu ak ketikab Katuiyeng'ung' ne Ming'in ak koosirto imanitab choton chebo koristo en oret ne togunoot ako bo iman.

Chigilichu terr kokoito logoiwekuak koiti kibagengeit age ne kikuren Verra. Verra ko chigili kogeny komie asi kogeer kole mi kayaneet, togunoot ako bo iman tannisiekab koristo koyoob Kiboitinikab Isasamet chebo TIST che choton ko kikoyum ak koyomo ak logoiiek tugul. Angot ko geer Verra kole yome gee, ko kokwoutiet ne rube ko **Aldateab Koristo**. Koristab Katuiyeng'ung' ne Ming'in (koboto chebo katuiyosiek alak che mengechen) ko

kioldoo en ng'wony en indonyo ak kepjeichi temik melekweek. Nyoru temik kebebrtab 70% chebo koristo ne kakialda en che kikechigil.

Nyorunetab Vochaisiek. Lipanosiekab Pjeutikab Melekweek keyoe en oret ne togunoot kobun rabisiekab simoit, tetutikab vochait ak account chebo benki.

Nyolu koitita katuiyeng'ung' ne ming'in tuiyosiekab isasamet ak kosich arorunet nebo ole kitetitoo gee asi onyuru lipanosiek. Pjeutikab Melekweek chebo kenytat 2024 ko kikiyai en simoit. Lipanosiek chebo oeng' ko nyolu kinde seii vochait ak kewekta en tuiyet isasamet ne isibu asi kego chemchinetab lipanet.

TIST: Kiit ne Imuch koyai Koluletab Ketik en Katuiynyun ne Ming'in.

Kikomuch TIST en abokora konyor beit ne kararan en siretab aldaetab koristo amun en ribetab ketik en kasarta ne koi ako noton kokochin chomchinet koeegitu ketik en kenytat age tugul, ak kebiman ketik en oret ne ititaat ako che kikoiit kiboitinikab isasamet. Kichigil kora ketik Chigilik chebo Somok che terr.

Koristo ne kokicher kioldoo keboisien komoreiweekab TIST, ako kou noton ko boisien kebebruekab TIST tugul komoreiwechoton.

Weche tiletab ketik katuiyenyun ne ming'in oloon:

- ☐ Kokibeet tannisiek.
- ☐ Kaba ng'wony olietab tannisiek.
- ☐ Oloon kokibeet kayanetab olikiok ak tuguk alak.

Oloon kokibeet tannisiek amun en tiletab ketik, ko nyolu kokeronchi katuiyenyun kotuiyosiek alak anan ko katuiyosiekab TIST alak amun nyolu ketoun tannisiek alak che kobetio.

Imuche itoretite ano?

- ☐ Keer ile kerib ketik en kasarta ne koi.
- ☐ Miin ketik che chang', missing ko chebo kipgaa, ak chebo logoeck.
- ☐ Angot ingen katuiyet ne mingin ne koiluul ketik imwochi Kandoindetab Isasamet anan ko Kiboititab isasamet. Katuiyet neu noon ko mo nyolu konyorchigee melekweek.



Rib ketikuk kosobcho: Mat itil. Nekata noono, ichoru anan iistote che kachang'a koik Kwenikuk.

Temik che chang' en TIST ko istoengee tileletab ketik ak nekata noon kochoru ketik anan kochor temenik anan koistoot ketik che kachilgee en ole moite kokwoutikab keliek oeng' koik kwenikuak.

Amunee asikemoche keistoot en abokora ketik che kachilgee ko asi kimuch konyor ketik koegitu missing ak koteb komie ketik che kakituch koteleldos. Isoonoton ko konu kora kwenik, mugenik, ketik che kitegseen, ak kelchinoik alak koiti temindet age tugul en TIST. Noton amunee asi ketindoi tetutiet nebo kechob osneet ne ikoegee oloon kakitil ketik cheite kebebarta 5% en kenyit age tugul, oloon kakoit ketit kenyisiek 10.

Oloon katil membayat ne kikobur keny en TIST kotil ketikyik tugul, ko weche membaek tugul chebo TIST en katuiyet ne Ming'in, Isasamet ak en Kenya katugul. Yautik chebo bik che tutigin komuche koib koimutik en chi tugul. Kimong'uu membaek chebo Katuiyosiek che Meng'echen ak membaekab isasamet ko chigil ak kogeer kole matil chi ketit kotomo koit kasarta ne kilule. Ye kin kinde siyet koyonchinetab GhG, ko kikitil kerib ketik che kigeminchi TIST ak kerib koit kenyisiek 30 kotomo ketil ketichoton. Noton amunee asi keibchin komonutiet kibwat komie akobo ketik che kimine en mbarenikiok. Ingichoor anan keistoot ketik che chilege ko toreti noton korut komie ak kenyoru tuguk che kororon oloon tesetaa koetu ketik.

Amunee asi kichoor ketik ko asikikochi ketit age gul korut komie ak komieit osnet tugul. Kiyoe niton ye kirib ketik 'che kororon missing' en osnet ak keisto alak. Imuche komokingee ketik tuguk che terchin kotienggee ketit ainoon, ole kokiminchi, oret ne kokiminda (che kokiruruch, che mi ole kiminchin minutik anan ko che toreti koteer koristo), atebeetab emeet, kobateen mi kosibutik chebo kotugul che kisibi. Asi imuch imiin ketik che rutu komie, ko nyolu ikochi kokwoutik che miachen che ikochin

konyoor beek che chang che yome, ak amitwakik asi kobwa komie. Iyanat kemin ketik kochilgee olon ta komengechen. Oloon kakoegitu ketik, ko egitu ketik alak missing ak kokimegitu kosir alak che rubegee. Choton ko che nyolu kebabagakta kosobcho. Oloon imoche inai ile anchoon ketik che iistoi, igeer ole kichilta gee.

Angot ko chilegee, igeer ile keiste ketik alak. Oloon iistotii ketik, inai ile ketik che terchin ko terchin ole rutuntoo. Angot kemiin maembe korubgee ak ketik alak, komuche konyo mutyio kosir ketik alak che rubegee missing ko chon mobo kipgaa, ko noton ko moyoe itil maembe kele amun nyone mutyio! Maembe ko ketit nebo komonutietamun konu logoek chebo komonutiet che kimuche kialda anan kiam.

Boisionik che Kororon olon Kiisto ketik che kichilgee.

- Bakach ketik korut akoi koegitu.
- Isteen akoi koitet ne kimoche en ekait. En TIST, kimuche kelewen akoi koitet 5% chebo ketik en kenyisiek 10, ingeisto oloon rutu, ak kogonu melekweek.
- Isteen che igeere ile meote, miondos, nuntoos ak choon mokororon.
- Rib ketik komaking'em oloon kilule alak.
- Tes koitetab ketik che terterchiin.
- Chigil en abokora ketikuk en kutik ak mionuokik che mong'unote.
- Onamgee eun ak kampunisiek chebo serikali en ribeetab kutik ak mionuokik che mong'unote.
- Rib mastinuek cheimuche komong'



TIST: Tagetab Ortinuek alak chebo Logoiwek.

En kenysisiek che chang, ko nyoru temikab TIST logoiwek kobun baruetaab *Mazingira Bora* ak en tuiyosiekab Isasamet.

En raini, ko kikowalak ng'wony ako kikomong' ortinwek che chang' chebo logoiwek. Biik che chang ko kikonai akobo Facebook, Whatsapp, Twitter (X), TikTok, Instagram ak alak che chang chebo simoit. Ortinwechu ko kikoiti oleo ako angot keboisien komie ko konu toretet neo en logoiwek.

En TIST, ke teche oretnyon ne leel nebo kokoitoetab logoiwek. Raini, ko kikeboisien Learning Center, TIST Chatbot, TIST Mobile website, TIST website.

En Kenya, ko TIST USSD codes ko *709# and *789*7000#. Noton *709# ko bo Safaricom ako mokiliboni. Ko noton *789*7000# ko nekipjee ak kampunisiek alak chebo logoiwek (Airtel, Telkom, Safaricom) ako kiyochi KSh. I en chito ne boisien. Codes choton ko bitunaat en biik cheboisien smart phones (simoit non kiwostoo) ak cheboisien simoisiekab 'kabambe'. Nton kaboru kele imuche temikiok che chang koboisien chuton en oret ne nyumnyum. Oloon kechil agetugul en codes ichu, ko inmuche igeer/ isoman logoiwek akobo TIST ak imuch igeer oleiuu en Katuiyeng'ung' ne Ming'in.

TIST Learning Center ko kimuche keiti en internet. Nyolu itindoi smartphone, computer, tablet ak internet. Imuche inyoru kobun <https://learn.tist.org/> .TIST Learning center ko konin tugul tugul chebo konetisietab TIST. Inyorchin gee konetisiet akobo TIST. Kora, ko toreti katuiyosiek che mengechen che lelach kosoom kochut TIST.

TIST Chabot ko eut nebo Artificial Intelligence (AI). Noton ko neimuche ichengseen en kou Google, Chatbot anan ko eunek alak chebo AI. Toreti kowol tebutik cheitindoi akobo TIST anan ko katuiyengung' ne mingin en TIST. Inoni ko ta ketesetaa kechobe. Tun kaketar kechobe, ko kikjochini logoiyot temikab TIST tugul.

TIST website kenyorchin www.tist.org. en yuk o imuche igeer akobo minsetab ketik en Katuiyeng'ung' ne Ming'in kou ole kikiitito Kiboitioatab Isasamet. Imuche kora inyoru baronok chebo TIST chebo keny.

TIST Mobile Website. Ko www.tist.org/mobile. En yu, ko nyolu ichut kou 'Guest' (Tondet). Inoni ko konin logoiwek akobo Isasameng'ung', Katuiyet ne Ming'in neng'wong' ak konetisiet.

En ko negit, kekonook logoiwek alak akobo ole kichutitoo TIST Facebook, TIST Tiktok, TIST community Whatsapp ak ortinwek alak chebo logoiwek.



Komonut nebo ketit.

Bo komonut ketit eng ribetab Itondab Emet ak amuneisiek checheng:

A - Ribetab Emet:

- Ketik kotere ngungunyek, koristo asi moib.
- Tesin sogek ngungunyek koyor omituwogik.
- Igochin ketik koyor beek ngungunyek ak koter beek komaiyeso koba barak.
- Igochin tigitik koyum asi moib beek
- Nyorunen Emet koristo ne karan.
- Kiyorunen uronok ak teretab koristo.

B - Tuguk chegiboisien ak Omituwogik:

- Kimyorunen (bogoinikak kwenik)
- Kerichek
- Omituwogik eng biik ak Tuga

Tuguchuton tugul kobo komolut eng temik ak Nguwony komugul. Miten chi en TIST ne koyai kosegei komwa kole bogomolut logoek, kuwelik ak ketik chegigemin ak imarenik chema kigol komuchi koyor Temintet age tugul Ksh 37,000. Kimoginigei tuguk chechang eng kaa ak eng imarenikiyok asi keitin mogutikiyok.

Ogetes ketik eng mbarenik kiyok asi keyorun mengotet ne kararan. Ogibwat kemin eng kibagenge keigu koborunet eng biik.