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GLOBAL ENVIRONMENT FACILITY
INVESTING IN OUR PLANET

Loneitute Tana Mizoram Sloping Agriculture Land Technology (MiSALT) Hmanga Huan Enkawl Dan



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GREEN LANDSCAPE IMPLEMENTATION UNIT, LUNGLEI, MIZORAM

Loneitute Tana Mizoram Sloping Agriculture Land Technology (MiSALT) Hmanga Huan Enkawl Dan

Mizoram dinhmun

Mizoram hi tlangram niin, mipui ṭhahnem zawk chu loneitu/huan lama eizawng niin, thlai chinna tur hmunzawl ṭha erawh kan nei tlem hle thung a (a ram pum zau zawng 2% chauh hi hmun zawl a ni). A bak 98% vel hi hmun rualremlo leh awih (a awih zawng 33% aia awih) tlang leh ruam kara awm a ni. Huan thlai hmanga eizawngtu tam zawkte chu loneimi kan ni a, ruahuti tamna hmun kan nih avang leh kan loneih dan diklo avangin lei chunglang hâng ṭha leh thlai leh rannung ṭawihral tur leh leītha a insiam turte chu, ruahtuin min len bo saka, kan thlai thar a tlem phahin, kan lo te kum rei tak kan hmang theilo ṭhin a ni. A bikin ṭhal laiin, huan enkawltuten tui tlakchhamna leh lei ro lutuk avangin harsatna nasa tak an tawk ṭhin a ni.

Loneihdan ṭha zawk a awm thei em?

‘*Changkham*’ hi kan pi leh puten hmasanga an loneihna hmuna an lo hman ṭhin niin, thing luang kâng bang leh hnawmhawnawh chi hrang hrang te awih tan zawnga lei luangral tur vennim nana an kham ṭhin kha a ni a.

Sloping Agriculture Land Technology (SALT) hi huan enkawl dan chi khat Philippines ramin tlangram loneihna hmuna hman atana ṭha a an fiah tawh a ni a. SALT ah chuan leīthathing te awih tan zawngin contour line-ah tui leh lei luangral tur vennan phun ṭhin a ni. Mizoramah chuan Baptist Kohhran ten Phillipines ram a an tihdan entawn a chawk luh a ni a, Mizoram chhimlama mi tlemte in an hmang mek a ni.

Loneih dan ṭha zawk a awm theih ringin Mizoram University leh Food and Agriculture Organization of the United Nation ṭangkawp chuan zirchianna an nei a ‘Mizoram Sloping Agriculture Land Technology’

(MiSALT) hi a lo piang ta a ni. MiSALT hi *changkham* leh SALT a tihdan tha te Mizoram leilung awmdan mila her remin, tlangram awih taka hmantheih tura duan a ni.

Engnge MiSALT?

MiSALT hi Mizoram tlangram mil loneihna hmuna hman theih tura duan chhuah a ni a. Tlangram loneih dan tha pahnih - Mizoram ‘*Changkham*’ leh Philippines ram SALT te kaikawpin Mizoram tana tha tura duan a ni. MiSALT-ah hian *changkham* leh SALT a tih thinte Mizoram leilung awmdan mila her remin, tlangram awih taka hman theih tura duan a ni. Hmun awih lutuk leh ruah tui tamna hmunah chuan a mala *changkham*/Contour Trash Bunding (CTB) emaw SALT emaw chauh hman hian a pahnih tangkawp ‘MiSALT’ hi a tluk tak tak thei lova, tin, leilung a venhim thatdan ngaihtuahin a senso pawh hi a hautak lem lo a ni.



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MiSALT hlawhtling taka kalpui tura thil pawimawh hmasa ber chu, lo hal zawh veleh lei chunglang luang ral tur leh ruah tui dangchat turin *changkham*/CTB te chu contour line-ah awih tan zawn gin kham hmasak ber tur a ni. *Changkham* ti nghet turin a kham hrul hnuai chiahah hian SALT a an hman thin thlai/thingkungtê chi leh a dangte chu phun chhunzawm leh tur a ni. Heng thlai/thingkungtê chi kan phunte hi MiSALT ah chuan Very Important Plants (VIP) tih an ni a, VIP te hian mihring tan chawhmeh, damdawi a pe chhuak a, ranchaw leh lei a tīha

bawk a ni. *Changkham/CTB* a lei leh thildang in chhekhhawm chu, zawi zawia in belh zelin, kum engemaw zat hnuah chuan awih pangah terrace/hmun zawl a lo insiam ta ṭhin a ni. Hemi avangte hian he thiamna pahnih inzawmkhawmin a siam MiSALT hi tlangram loneimi tana kan thlawhhma ten hlawk zawk leh hun rei zawk an tharchhuah theih nana kan tih makmawh leh kan hman ngei tur a ni. Tin, lei a tiṭha in, lei ro lutuk tur a veng bawk a, tin, kan tualchhung thlai leh chawhmeh ral mai tur min venhim sakin, nitin eizawnnaah nasa takin min phuhruk bawk a ni. MiSALT siam hi a awlsamin a enkawl zui pawh a hautak lo bawk a ni.



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Changkham/CTB-a lei in
chhekhhawm

Engvanginnge MiSALT kan thlan ang?

Enkawl leh siam hautak lo MiSALT hian mipui ei leh bar dinhmun tihhmasawn hi a tum ngawr ngawr a ni lova, an eizawnna in nghahna ber a ram leilung enkawl a, lo leh huante hun rei zawk hman anih theihna tura enkawlpui hi a tum tlat a ni.

MiSALT huan neih hian thilṭha tam tak a thlen a, chungte chu:

1. *Changkham* a dahna tur hmun dik taka dah chuan lei luangral tur nasa takin a veng a ni.
2. Leilung hriselna a ti ṭha.
3. Leihnawnna belhchhahin leiṭha luangral tur a venghim bawk.

4. *Changkham* hrula VIP phunte hian chawhmeh te, damdawi te, ranchaw te, leit̄ha te a pe chhuak a, bazara zawrh chhuah anih phei chuan sum lakluh a belchhhah bawk a ni.
5. *Changkham-a* lei inchhekkhawl hian laih chawp ngai lovin zawi zawiin awih pangah terrace/zawl a siam thin a ni.

Engnge Contour Trash Bunding (CTB)?

Changkham tihchangtlun hi MiSALT ah chuan Contour Trash Bunding (CTB) tih a ni a, CTB ah hian thilnung lo chi hrang hrang (thing luang kâng bang/ thing leh thlai zar leh hnah tla/balhla kung /mau /lung etc) lei luangral tur dang chat thei thilte chu ruah sur hmain lei si chatin kham nghal tur a ni. MiSALT hmanga CTB kan siam hian lei luangral tur vengin, lei a tītha bawk a ni. CTB ah hian lei leh tui te a pût rûk lohnan hnawhpui vek tur a ni.

Changkham/CTB siam dan

1. Lo vah/hal zawk veleh A-Frame (a siam dan Annexure I ah en tur) hmangin contour line hi chhinchhiah hmasak vek tur a ni a. Contour line-ah hian *changkham*/CTB kham tur a ni.
2. CTB/*Changkham* ah hian thilnung lo chi hrang hrang (thing luang kâng bang/ thing leh thlai zar leh hnah tla/balhla kung /mau /lung



etc) lei luangral tur dang chat thei thil te chu ruah sur hmain lei si chatin kham nghal tur a ni.

3. CTB/*Changkham* te hi mau emaw thinguai emaw hmangin 1-1.5m inkardanah CTB in karchehin khen ngheh vek tur a ni. A hmun hma awih dan a zirin CTB pahnih inkarhlat zawng hi a zau berah 5m a ni tur a ni, a awih nasat dan a zirin a inkar hi tihzim hret hret tur a ni, CTB pahnih inkarah hi thlai chin theihna tur a zau tawk a ni tur a ni.
4. Thlai chin tur a zirin CTB pahnih inkarah hian CTB tawi tê VIP tel leh tellovin a dah theih bawk a ni.
5. Huan hnawmhawnaw (thlai kung leh hnah paikh tur te leh hnim te. etc) te CTB-ah chhekkhawm thin tur a ni.
6. Tichuan, CTB a huan hnawmhawnaw kan chhekkhawm te chuan thal laiin thlai chinna hmun te chu khuh thin tur a ni, hei hian lei a ti hnawngin a ti hrisela, kan thlai tharte hlawk phah bawk a ni.
7. *Changkham*/CTB te kumtina siamthar reng ngailo tur leh kum engemawzat hnu a CTB thlak turin, a thlang chiahah VIP kungte tlarkhat tlatin phun tur a ni.

Engnge Very Important Plants (VIP) te chu?

VIP kan tih te hi chi hnih (2) a awm a, chungte chu:

- VIP – Tualchhung thlai/thingkung tê chi/thingkung te
- VIP – Leiṭhathing te (Nitrogen fixing tree species/NFTs)

1. Very important plants (VIP) te chu thlai leh thingkung tê chi kum hnih thum dam leh kumhlun te an ni a, heng thlai te hi chawhmeh te, damdawi te, leiṭha te leh ranchaw atana kan hman thin te an ni tlangpuia, tin, tualchhung thlai leh thing ral mai tur vawn himnan leh lei leh tui luangral tur venghimtu an ni tel bawk.
2. VIP (Tualchhung thlai/thingkung tê chi te) te hi CTB hnuai chiahah a kung leh kung inkar hlatzâwng 1ft atanga 4ft (VIP thlai azirin) CTB dawl tur leh lei luangral tur veng tur leh lei ti hnawng turin phun tur a ni.

- VIP (Leīthathing te/NFTs) entirnan *Tephrosia candida*, *Flemingia macrophylla* etc te hi a chung chiaha kan sawi tak VIP (Tualchhung thlai/thingkung tê chi te) inkarah hian tlar khat tlatin a kar awl hnawkhat turin chin bawk tur a ni

Loneitute VIP duhzawng thenkhatte chu Phuihnam (*Clerodendrum colebrookianum*), Chingît (*Zanthoxylum rhetsa*), Pelh (*Gnetum gnemon*), Kawhtebel (*Trevisia palmata*), Khanghu (*Acacia pennata*) etc. (***Annexure – II lo en la***)



VIP enkawl dan

- VIP (Tualchhung thlai/thingkungtê chi te) te hi a hun bi mumal takah a sanzâwng 1m-2m pêl lo turin hlawi thin tur a ni.
- VIP te hi a to bit lutuk tur vennan suat then thin tur a ni.
- VIP suatna leh hlawina te hi CTB/changkham ah chhekkhawm thin tur a ni, a tawihral hnuah thlai tan leīthaah a hman theih a ni.

4. VIP te kâng chhe lo turin a kung hnaih lutukah huan hnawmhawnaw te hâl ḫin loh tur a ni.
5. VIP (Tualchhung thlai/thingkungtê chi te) te hi CTB/*Changkham* thlangah a kung leh kung inkar hlatzawng 1-4ft vela phun tur a ni.
6. VIP (Leiṭhathing te/NFTs) entirnan *Tephrosia candida*, *Flemingia macrophylla* etc te hi a chung chiaha kan sawi tak VIP (Tualchhung thlai/thingkung tê chi te) inkarah hian tlar khat tlatin a kar awl hnawhkhat turin chin bawk tur a ni
7. VIP (Leiṭhathing te/NFTs) te hi hunbi mumal takin a sânzâwng 1m – 1.5m aia sang lo turin hlawi ḫin tur a ni.



MiSALT hlawhtlinnana thil pawimawh êm êm te chu:

1. Thlai leh VIP chin/phun turte thlan fel hmasak tur.
2. A hmun hma tihfai leh CTB atana hman turte lâkkhawm.
3. A-Frame hmangin contour line siam tur a ni.
4. CTB/*Changkham* tha zâwka siam turin huan/lo lu lam aṭanga bul ḫan tur a ni a, nghet taka khen tur a ni.
5. Huan/lo hnawmhawnawk te chu awih tan zawngin CTB/*changkhamah* dah khawm ḫin tur
6. CTB/*changkham* kar âwl te hi thlai chin theihna tura leilung buatsaih tur a ni
7. Kan thlai chin/phun reng reng awih tan zawng vekin chin/phun ḫin tur a ni.
8. Thlai chi hrang hrang phun pawlh te, thlai lei tiṭha thei (legumes) te nena in phun chhawk te, tin, a ṭul hunah hlo thlawh bawk tur a ni.
9. CTB hnuai chiaha VIP kungte a chunga VIP chi hnih (2) kan sawi tak ang hian phun a enkawl tur a ni, a ṭul danin hlawi ḫin tur a ni.
10. Lei tih hnawnnan hnimehnah te, thlai dangte leh VIP hlawina zar leh hnahte chuan lei khuh ḫin tur a ni.
11. Heng hmang hian leilung hriselna vawn ḫin tur – Thlai, hnimehnah leh VIP te suatna leh hlawina leh ran ek hmanga leiṭha siam.
12. MiSALT huanah hian a theih chuan tui dahkhawlina siam tur a ni.

MiSALT Calendar

Sl. No.	Particulars	Month
1.	Lo vah/hal leh CTB tur lakkhawm	March - April
2.	Contour line chhinchhiah	April
3.	CTB contour line-a kham	April
4.	CTB inkara thlai chinna tur buatsaih	April - May
5.	CTB inkara thlai chin	April - June
6.	VIP thlai/ thingkungtê/ thingkung/ leithathing (NFTs) chin/phun	May - June
7.	VIP thlai/ thingkungtê/ thingkung te hlawi	VIP ten CTB inkara thlai te a zâr hliah dawn emaw a kung 1m-2m aia a sâñ chuan hlawi tur (a tul danin kumtluanin enkawl tur)
8.	VIP leithathing (NFTs) te hlawi	A kung sâñzawng 1m-1.5m a awm turin hunbi neiin kumtluana hlawi tur. A chi chhuah tura a duh anih chuan, a chi a puitlin huna hlawi mai tur.

MiSALT Research Terminal Report – MiSALT research Team, Mizoram University, Aizawl, Mizoram

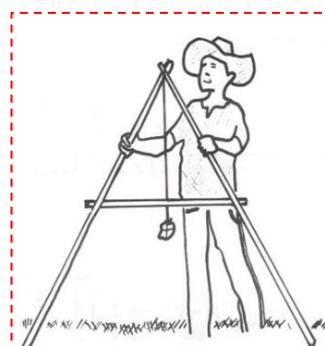
MiSALT IEC Brochure-2 – Facilitator's companion to Mizo Sloping Agriculture Land Technology (MiSALT)

Annexure - I**Contour line chhinchhiahna A-Frame siamdan:**

1. Thing/Mau tlawn 3 (pathum) nei hmasa phawt la, tlawn 2 te hi A-frame kē turin 1.5m a sei a tan ve ve tur a ni. Mautlawn pakhat la bang chu 1m a seiin A-frame phuar nghettu a hman turin tan leh tur a ni.
2. A-frame siam turin, mautlawn pahnih 1.5m seja tan sa te kha, hmun zawlah a ke pahnih inkar hlatzawng 1m vela dahin, a chhipah ng het taka ṭawn khawm tur a ni, mautlawn 1m a seja tan sa kha mautlawn pahnih tinghet turin a khampheiin ng het takin A-hawrrawp siam turin ṭawn beh tur a ni.
3. Tichuan, A-frame chhipah chuan lung/plumb bob khaina tur hrui seitak ṭawn beh tur a ni.

A-frame hman theih tura tihdik dan:

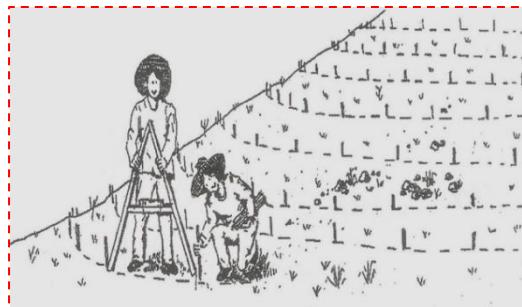
1. A-frame siam tawh sa chu hmun zawlah dah la.
2. A-frame chu ngil taka chelh dingin, a khamphei a mautlawn ṭawnbehna hruiin a tawhna lai kha pencil in chhinchhiah tur a ni. A-frame hūnna ke awmna kha in thlakthlenga her kual leh tur a ni a, mautlawn khamphei a hruiin a tawhna lai tak kha chhinchhiah leh tur ani.
3. A hmaa kan chhinchhiahna pahnih inkar chiah kha a level dik tak a ni a, chhinchhiah tur a ni a, hei hi a ‘level-mark’ chu a ni. A chhinchhiahna pahnih te kha a ngai chiah anih chuan, a ‘level mark’ a hman nghal theih a ni bawk.



©Source:
<https://www.semanticscholar.org/paper/Agricultural-technologies-for-marginal-farming-in-Malla/3cc06acac256fead84f97be-c3e4ee2f575c9dc10>

Contour line chhinchhiah dan:

1. A-frame hman hmain hmawlh tawi tê tê 30cm vela sei lakkhawm hmasak tur a ni.
2. Hmun awihah chuan huan/lo lu lam atangin, a kil sir khat a teh tan tur a ni. A-frame ke pakhat chunguet taka leiah nghah tur a ni a, a ke nghahna chu hmawlh hmanga chhinchhiah tur a ni, a ke lehlam chu a level mark-a awm hma chuan dah sawn hret hret tur a ni.
3. A level mark-a hrui a awm hunah hmawlh hmangin a ke lehlam awmna chu chhinchhiah leh tur a ni. Hetiang hian a ke pakhat chauh her kualin a hma a kan tih ang chiahan tih chhunzawm tur a ni.
4. Tichuan, awih tan zawng a A-frame hmanga hmawlh te a line siam chu contour line kan tih chu a ni. Contour line siam hian a sâng lutuk emaw a hniam lutuk lai te awm thei a ni a, hetiang a awm anih chuan a remchan danin siam ngil chawp mai tur a ni.
5. A contour line dawt chiah hre tur chuan, bân pakhat khampheiin ngil taka pharin, hnungzawnga chhuk tur a ni, a hmaa contour line siam tawh sa nena i banphar a in zawl chiah hunah, chulai hmun chu contour line dang lak lehna tur a ni.
6. Contour line pahnih inkar hi 5m aia zau lo leh 3.5m aia zim lo a ni tur a ni.



©Source: <https://www.semanticscholar.org/paper/Agricultural-technologies-for-marginal-farming-in-Malla/3cc06acac256fead84f97bec3e4ee2f575c9dc10>

Annexure II

VIP-te Chanchin Tlangpui

A. VIP – Thlai/Thingkungtê/Thingkung

- 1. Botanical name:** *Acacia pennata* syn. *Senegalia pennata*

Local name: Khanghu

A nihphung: Hei hi tropical hmun a ṭhin niin, thingkungtê chi, a sânzawng hi 5metre (16 ft) vel a ni thei a ni.

A hmanna: A hnaho te hi chawhmeh tui tak a ni a, a chhum leh a kan siam a ei ṭhin a ni. A hnah te chu a hling a chhuaha a chan hmain ei a ni tlangpui ṭhin. Mizoram chhunga bazarah zawrh vek a ni.

A tihpun dân: A chi leh a zâr vih phuna tih pun ṭhin a ni.



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- 2. Botanical name:** *Amomum dealbatum*

Local name: Aidu

A nihphung: Aidu hi thlai kumhlun leh pianṭo tha tak a ni a, 3m vela sâng niin, zung puak tam tak a nei ṭhin a ni.

A hmanna: Aidu ria, a par leh a rah te hi chawhmeh atana hman ṭhin a ni. Mizorama bazarah chuan zawrh vek ṭhin a ni.

A tihpun dân: A chi aṭang leh a zung puak hmanga tihpun ṭhin a ni.



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3. Botanical name: *Clerodendrum colebrookianum*

Local name: Phuihnam

A nihphung: Phuihnam hi thingkungtê chi kumhlun a ni a, 4 – 8ft vela sang a ni thei bawk. India hmarchhak ah chuan damdawi atan chawhmeha hman ̄thin a ni.

A hmanna: A hnah hi chawhmeh atan leh BP sang enkawlna damdawi atan a chhum a ei ̄thin a ni.

A tihpun dâñ: A chi leh a zar vih phun hmanga tih pun ̄thin a ni.



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4. Botanical name: *Dysoxylum gobara*

Local name: Thingthupui

A nihphung: Thingthupui hi hnah tlakawl vek ngai lo a ni a, a sâñzawng hi thingkungtê chi leh thingkung lian chi 35 metre vela sâng pawh a ni thei bawk. Chawhmeh leh damdawi atana hman ̄thin a ni a, Philippines-ah chuan a thinghâwng chhum tui hi luak ti chhuak tura damdawia hman ̄thin a ni.

A hmanna: A hnah no hi chawhmehah a chhum leh kan in hman ̄thin a ni. Mizoram bazarah chuan zawrh vek a ni.



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A tihpun dâñ: A chi hmang chauha tihpun ̄thin a ni.

5. Botanical name: *Gnetum gnemon*

Local name: Pelh

A nihphung: Thingkungtê chi atanga lian ve deuh a ni thei a, a sânzawng hi 15 – 22 metre a sâng a ni thei bawk.

A hmanna: Mizoramah chuan Pelh mu te hi a chhum, rawh leh kan ten ei thin a ni. A hnahnote leh a rahte hi chawhmeh a hman thin a ni bawk. Mizoram chhimlam bâwm a ni.

A tihpun dân: A chi leh a zar vih phun a tihpun thin a ni.



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6. Botanical name: *Parkia roxburghii* syn. *Parkia timoriana*

Local name: Zawngtah

A nihphung: Zawngtah hi hnahn tlakawlh vek thin a ni a, thingkung lian tak niin 50 metre vela sang a ni thei. A thingkung lenzawng tan tlang hi 51cm vela lian a ni thei a ni. Thing lian anih vangin lo sirah, thlai dang hliah lo turin phun thin tur a ni.

A hmanna: A rah hi a ei theih a, Mizoramah chuan chawhmeh lar leh tui tak a ni. Tin, a rah hi pile thi enkawl nan hman thin a ni, a thinghâwng tui hi kawthaloh leh santêñ damdawi atan hman thin a ni bawk.

A tihpun dân: A chi hmanga tihpun thin a ni.



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7. Botanical name: *Trevisia palmata*

Local name: Kawhtebel

A nihphung: Kawhtebel hi hnah tlakawlh ngai lo, 15 – 20 feet a sâng niin, zâr tlemtê emaw zâr nei lem lo emaw a ni. A hnah hi a hlai em em a, 1 – 2 ft vela hlai a ni ṭhin. A zik no hi rawng uk lam emaw tuiêk rawng niin, sam leh hling tamtak a nei bawk. Mizoram ah chuan ramhnuiah a ṭo ber ṭhin.

A hmanna: Mizo chuan a par leh a rah no tê tê chawhmehah a chhum leh kan in hman ṭhin a ni. Khawchhung bazarah chuan zawrh vek a ni.

A tihpun dâñ: A kung/zâr chang tawh hmanga, lei pan te a phuma a tihpun ṭhin a ni.



8. Botanical name: *Zanthoxylum rhetsa*

Local name: Chingit

A nihphung: Thingkung zar pharh ṭha tak, hnah tlakawlh vek ṭhin a ni a, 35 metre vela sâng a ni. Thing bul lian tak a lenzawng tantlanga 75cm vela chhah a ni bawk. Mizoram lo ah chin/ṭo ṭhin a ni.

A hmanna: A hnahn te hi chawhmeh a hman ṭhin a ni.

A tihpun dâñ: A chi hmanga lo thara lo ṭiak ṭhin a ni. A chi hian kawr sak deuh a nei a, a chi kui ṭiah dawn chuan a rah hmin veleh a kui nghal ṭhin tur a ni. A chi dah thatte chu tihdâñ chi hrang hrang hmanga sawngbawl hmasak a ngai ṭhin.



B. VIP – Leithathing (NFTs)

1. Botanical name: *Tephrosia candida*

A nihphung: Thingkungtê chi ʈhangduh tak a ni a, tropical leh sub-tropical hmunah te to ʈhin a ni. India ramah chuan Himalaya tlang bulʈutah a tualto ʈhin. Mizoramah chuan kum 2004 khan Baptist Kohhran ten Sloping Agriculture Land Technology (SALT) an lakluh kum khan an rawn chaw lut a, Mizoram chhim lamah chin pun a ni.

A hmanna: Leichhe hmun leh lo neihna hmunah te, lei tih ʈhatnan leh lei luangral tur veng turin Mizoramah chuan chin/hman ʈhin a ni. He

leithalming hian leichhe hmun a ti ʈha in, boruaka nitrogen leiṭha hmang ʈangkaiin thlai tan leiṭha a siam thei a, lei luangral tur a dangchat thei bawk a, lei a ti ʈha bawk a ni. A hnah leh zâr hlawina te hi lei khuh hnawnnan hman a ni bawk.

A tihpun dâñ: A chi hmanga tihpun ʈhin a ni. A chi hi darkar 4-5 vel tuilumah chin anih hmain chiah ʈhin tur a ni a, ruahtui tlak hma hret emaw ruahtui tlak laia chin ʈhin tur a ni.



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2. Botanical name: *Flemingia macrophylla*

A nihphung: Hei hi thingkungtê chi kumhlun leh zung kai thuk tak a ni a, hnah buk tak 0.5 – 2.5metre vela sang a ni bawk. Phun aṭanga thla 6-7 velah a par ṭhin. Kum khatna-a a chi chhuah hi chu a tam vak lo. Hlawi a dawl êm êm a, hlawi hnuah hian a chawr no leh zung zung ṭhin. Leithur leh lei chhia a ngam êm êm a ni. Baptist Kohhran ten kum 2004 khan Mizoramah an rawn la lût a ni.



© Source: https://www.tropicalforages.info/text/entities/flemingia_macrophylla.htm

A hmanna: A kung hi contour line-ah a tlarin lei luangral tur dangchat tura hman ṭhin a ni. A zar leh a hnah hlawina te hi lei khuh hnawnnan hman ṭhin a ni a, boruaka nitrogen leīṭha hmang ṭangkaiin thlai tan leīṭha a siam thei bawk a ni.

A tihpun dān: A chi hmanga tihpun ṭhin a ni. A chi hian kawr sak deuh a neih avangin ṭiak tha tur chuan sawngbawl ve deuh a ngai ṭhin a, a chi hi tuiso lek lekin leih tur a ni (chhum hmin lovin) chumi hnuah tuilum in darkar 12 aṭanga 24 chiah leh tur a ni. Heng thingkung hi a chawr duh êm êm a, a kung kih hian hmun tamtak a chawrno ṭhin a ni.



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