

1. **A kung do:** Mau, Thing, GI wire, etc. te hi tomato kung do nan leh a zamna atan a hman theih a. Hetia a kung do na leh a zamna mumal tak kan siam hian rannung leh natna laka in enkawl a ti awlsam a, a rah seng pawh a ti awlsam a, a rah a ti tamin a quality a ti tha bawh a ni.



2. **Hlothlawhfai:** Hlo to hma in Metolachlor @1kg ai/ha kahphawt a, chumi hnuah Grubber in phun atanga ni 40 na ah kah leh tur. Anih loh pawhin phun atanga ni 20 leh ni 40 na ah hlote hi thlawhfai thin tur a ni.
3. **Growth regulator:** Phun atanga ni 30 hnuah 20 ppm Gibberellic acid in kah tur.
4. **Thlai dang nena chin pawlh:** Knolkhol nen a chin pawlh theih. (Tomato tlar 1: Knolkhol tlar 2).

NatnaEnkawh Dan:

1. **Late blight:** Lateblight natna laka enkawl nan Mancozeb 75wp 0.25% solution (2g/l), Mancozeb (72% a.i.) te hi a hnuai ami ang hian kah thin tur a ni:
Early stage (1st month) 600 lit of water/ha
Mid stage (2nd month) 800 lit of water/ha
Late stage (3rd month) 1000 lit of water/ha
 - (i) Natna lanchhuah hma hauh pawhin, khaw dur deuh ni ah chuan Mancozeb 75 WP (2 g/l) in lo kah lawk tur a ni. Anih loh pawhin Dithane Z-78 @ 0.25% (25 g in 10 lit of water) a hman theih a. Natna a lo lanchhuah tawh chuan damdawi te khi ni 7-10 danah, khaw awm dan a zirin kah tur a ni. Heng damdawi kan kah te hian a hnah hnuai lam pawh a kap fuh tur a ni.
 - (ii) Metalaxyl 8% (2.5 g/lit) kah hnuah Mancozeb 75 WP (2 g/l) te hi a in kar thlak in ni 12 danah kah thin tur a ni [Metalaxyl 8% (2.5 g/lit) in vawi 3 kah tur ani a, Mancozeb 75 WP (2 g/l) in

vawi 3 tho kah bawh tur]. Damdawi kah hmasak ber hi 10-15th December in karah kah ni se. Ruahsurlai anih chuan damdawi kah torah hian sticker Tricon (0.5 ml/l.) hman tel thin tur a ni.

- (iii) Blight laka tomato ven nan 1% Bordeaux mixture (10 g CuSO₄ + 10 g lime + 1 litre water) hi a thawh tha em em bawh a ni.

2. Wilt:

(i) Bacterial wilt:

- 200 ppm Streptomycin in lei chiah tur
- Wilt laka him chi tomato variety chin tur
- Oil cake pek tur
- Asafoetida leh aieng phut chawhpawlh (1g Asafoetida + 5g aieng phut + tui litre 10 chawhpawlh) in lei vawi 3 (i.e.phunsawn atanga ni 15, 30 and 45 na ah) chiah tur

(ii) Fungal wilt:

- Captan 50 wwp 0.3% in lei chiah tur.

Tharchhuahzat: 350 - 400 q/ha.



Tomato Chin leh Enkawh Dan (Open Cultivation of Tomato)



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Nursery a Tomato Chi Kuitiah:

1. Nursery kan siamna hmun tur chu ni hmuh thatna, tui tlin theihlohna, lei dip tha tak leh dur tha tak ani tur ani.
2. Nursery bed chu August thla laihawlah siam tur ani a,bed sanzawng hi 10-15 cm a ni tur a ni. Lei chu tha taka leh tur ania. Ran ek tha taka up tawh emaw hnim hnah tawih tha tawh tak nena lei chu chawhpawlh tur a ni.
3. Nursery bed zauzawng meter 10 bial (10 m²) ah balu kg 20 leh bawngkek emaw vermicompost leitha kg 20 chawhpawlh a tawk a ni.
4. Nursery bed a thlai kan kuina tur lei chu natna (Damping-off) laka a lo him theih nan, lei chu 0.1% Captan emaw Fytolan emaw 4% Formalin damdawi in 10-15 cm a thuk thleng a chiah huh tur a ni.
5. Damdawi a chiah zawh ve leh sarang emaw buara emaw lehkha chhah lam deuha ni 2 chhung khuh nghal tur ani.
6. Lei khuhna chu laksawn a, lei chu lehthawl leh deuhin ni 3-4 chhung dah leh tur.
7. Tomato chi te hi natna laka ven nan kan kui hma in Captan emaw Thiram @ 3g/kg seeds a chiah tur a ni.
8. Lei a rannung awm te laka kan thlai tiakte a lo him theih nan Malathion 5% kah/phul tur.
9. Thlai chi kan kui tur te chu August thla tawp emaw September thlatir lamah kui tur a ni. Thlai chi kan kuina tur hi U-shape in line thuk vaklo, 2.5 cm a inhlat ah kan rin zel anga, 1-2 cm a thukah thlai chi chu kan phum tur a ni. Thlai chi chu balu leh ran ek leitha dip tha tak chawhpawlh pan te in khuh leh tur a ni.
10. Thlai kuina nursery bed chu tui pekna, a hmawr khawh na lo chi a tui pek thin tur a ni.
11. Nursery bed chu tomato chi kan kuite tui pek zawnga a per darh loh nan buhpawl emaw changel hnah emaw hnahro in pan te in khuh tur a ni. Heng a khuhnate hi thlai arawn tiah tirhah dah sawn tur a ni.
12. Tomato chi kan kuite hi kan kui atanga ni 21-30 hnu emaw thlai tiak sanzawng 10-15 cm anih in a phunsawn theih a ni.
13. Tomato tiak phunsawn hma ni 7 a la awmin tui pek tlem tial tial tur a ni.
14. Tomato tiak phunsawn dawnah nursery bed hi darkar 6 tuiin chiah tur a ni. Hei hian tomato tiak phawi a ti awlsamin a zung te nen him takin a phawi theih a ni.

15. Tomato tiak te hian ni an hmu tha tur a ni.
16. Natna laka tomato tiakte hi a lo him zawk nan, phunsawn dawn hnaihah damdawia kah tur a ni.

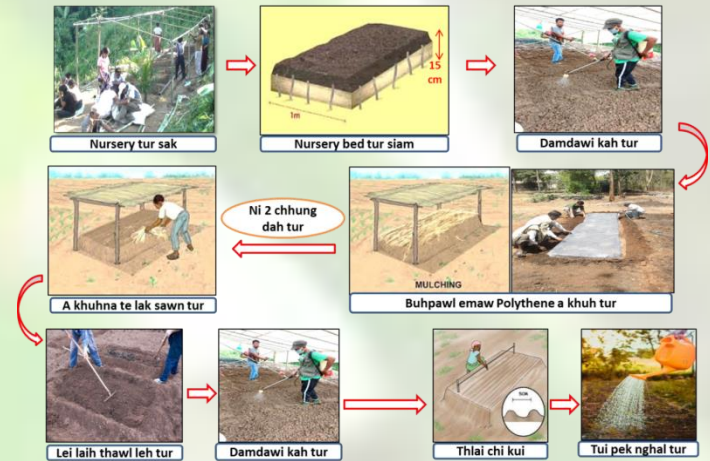


Fig: Thlai chi kui tiahna hmun sawngbawl leh kuitiah dan

Nursery a Thlai Kui Tangkainate:

- Boruak nelawm tak a siam.
- Tha tam tak sen ngai lovin a hun takah rannung leh natna a enkawl theih.
- Nursery a thlai kui tiahte hi a tiak hma a, man man zawkin a hralh theih bawk a ni.
- Mumal takin crop rotation a kalpui theih.
- Kan phunsawwna tur hmun duhthusamin a buatsaih theih.
- Thlai china hmun awl lai, awlsamte in a hnawh khah theih.
- Thlai chi (Hybrid) man to tak tak te uluk takin a enkawl theih.
- Hmun zim zawkah thlai tiak enkawl a awlsam.

Tomato Tiak Phunsawwna Tur Buatsaih Dan:

Thlai tiak kan phunsawwna tur khur hi phunsawn hma ni 15 a la awmin lo laih lawk tur a ni. Khurah hian ran ek leitha dah lawk bawk tur a ni. Lei thur ven nan chinai phul a tha bawk. Tin, khur hi insecticide a lo kah lawk bawk tur a ni. Thlai chinna tur lei te hi kum thum danah test tir

thin tur ani a, chumi test result a zirin chinai thi quintal 10 hectare khatah pawlh tur a ni.

Phunsawn Hun: October - November

Phun Inkar Hlat Zawng:

Thlai leh thlai: 30 cm } Determinate & Indeterminate variety/ a
Tlar leh tlar: 50 cm } kung sang leh tawi chi ah

Thlai leh thlai: 30 cm } Indeterminate variety/ a kung sang chi
Tlar leh tlar: 75 cm }

Phunsawn Hun (Tlangram tan):

Hnah kir natna laka ven nan October_ah phunsawn tur.

Leitha Pek Dan:

- i) Nitrogen dose chanve leh FYM, P₂O₅leh K₂O full dose te hi lei sawngbawl laia pek tur a ni a, Nitrogen dose la bang zawng chu vawikhatah emaw vawihnih pek a hman tur ani. [FYM @ 10t, N 75 kg, P₂O₅ 60 kg and K₂O 60 kg/ha].
- ii) Nitrogen, tui nen a pawlh hi tomato hnah a kah (foliar spray) hi a tha em em ani. Nitrogen 40 kg/ha hi lei sawngbawl ruala pek ni se, 20 kg/ha N hi a hnah kah nan hman ve thung tur. Foliar spray hi a hnuaia tarlan angin a pek thin tur a ni:
 - a) Phunsawn atanga ni 30 na ah Urea 9.71 kg leh tui litre 1000 (hectare 1 tan) pawlh kah tur.
 - b) Phunsawn atanga ni 40 na ah Urea 14.1 kg leh tui litre 1500 (hectare 1 tan) pawlh kah tur.
 - c) Phunsawn atanga ni 50 na ah Urea 14.1 kg leh tui litre 2000 (hectare 1 tan) pawlh kah tur.

Phunsawn Hnua Enkawh Chhunzawm Dan:

1. **Tui pek dan:** Ni 18-20 kar danah lei chu 4 cm a thuk a huh in tui in chiah huh thin tur a ni.