

tur a ni. [FYM @ 10t, N 75 kg, P₂O₅ 60 kg and K₂O 60 kg/ha].

ii) Nitrogen tui nen a pawlh tomato hnaha kah (foliar spray) hi a tha em em a. Nitrogen 40 kg/ha hi lei sawngbawl ruala pek ni se, 20 kg/ha N hi a hnah kah nan hman ve thung tur a ni. Foliar spray hi a hnuai tarlan ang a pek thin tur a ni:

- (i) Phunsawn atanga ni 30 na ah Urea 9.71 kg leh tui litre 1000 (hectare 1 tan) pawlh kah tur.
- (ii) Phunsawn atanga ni 40 na ah Urea 14.1 kg leh tui litre 1500 (hectare 1 tan) pawlh kah tur.
- (iii) Phunsawn atanga ni 50 na ah Urea 14.1 kg leh tui litre 2000 (hectare 1 tan) pawlh kah tur.

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.

Hlo Thlawhfai: Hlo to hma in Metolachlor @1kg ai/ha kah phawt 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 hlo te hi thlawhfai thin tur a ni.

Growth Regulator: Phun atanga ni 30 hnuah 20 ppm Gibberellic acid in kah tur.

Thlai Dang Nena Chin Pawlh: Knolkhol nen a chin pawlh theih. (Tomato tlar 1: Knolkhol tlar 2).

Natna Enkawh Dan:

1. Late blight: Late blight 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 lan chhuah hma hau 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 lan chhuah 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 thlakin ni 12 danah kah thin tur a ni [Metalaxyl 8% (2.5 g/lit) in wawi 3 kah tur ani a, Mancozeb 75 WP (2 g/l) in wawi 3 tho kah bawh tur]. Damdawi kah hmasak ber hi 10-15th December in karah kah ni se. Ruahsur lai anih chuan damdawi kah turah 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 thawk 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 wawi 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.

Tharchhuah zat: Tin hnih leh a chanve hmuna h quintal 350 – 400 a tharchhuah theih



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**Biotech KISAN Hub
Mizoram University, Aizawl
Deptt. of Horticulture, Aromatic and Medicinal Plants**

**Tomato Chin leh Enkawh Dan
(Open Cultivation of Tomato)**



**Prepared by:
Krishi Vigyan Kendra, Lawngtlai District
Govt. of Mizoram
Phone No: 9402113035
Email Id: kvklawngtlai@gmail.com**

Nursery a Tomato Chi Kuitiah:

1. Nursery kan siamna hmun tur chu ni hmuh thatna, tui tlin theih lohna, lei dip tha tak leh dur tha tak a ni tur a ni.
2. Nursery bed chu August thla laihawlah siam tur a ni a, bed san zawng hi 10-15 cm a ni tur a ni. Lei chu tha taka leh tur a ni a. Ran ek tha taka up tawh emaw hnim hnah tawh tha tawh tak nena lei chu chawhpawlh tur a ni.
3. Nursery bed zau zawng meter 10 bial (10 m²) ah balu kg 20 leh bawngkek emaw vermicompost leitha kg 20 chawhpawlh a tawh 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 veleh sarang emaw buara emaw lehkha chhah lam deuha ni 2 chhung khuh nghal tur a ni.
6. Lei khuhna chu lak sawn a, lei chu leh thawl 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 thla tir lamah kui tur a ni. Thlai chi kan kui na tur hi U-shape in line thuk vaklo, 2.5 cm a in hlat ah kan rin zel ang a, 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 khawhna 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 hnah ro in pan te in khuh tur a ni. Heng a khuhnate hi thlai a rawn tiah tirhah dah sawn tur a ni.
12. Tomato chi kan kui te hi kan kui atanga ni 21-30 hnu emaw thlai tiak san zawng 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 tui in 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 tiakte 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.

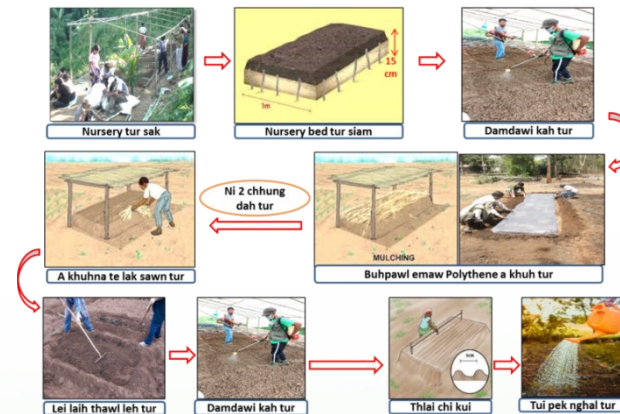


Fig: Thlai chi kuitiahna hmun sawngbawl leh kuitiah dan

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 kuitiahte hi a tiak hma a, man man zawkin a hralh theih bawh a ni.
- Mumal takin crop rotation a kalpui theih.
- Kan phunsawna tur hmun duhthusamin a buatsaih theih.
- Thlai chinna hmun awl lai, awlsam te in a hnawhkhah theih.
- Thlai chi (Hybrid) man to tak takte uluk takin a enkawl theih.
- Hmun zim zawkah thlai tiak enkawl a awlsam.

Tomato Tiak Phunsawna Tur Buatsaih Dan:

Thlai tiak kan phunsawna tur khur hi phunsawn hma ni 15 a la awmin lo laih lawk tur a ni. Khurah hian ran ek leitha dah lawk bawh tur a ni a, lei thur ven nan chinai phul a tha bawh. Tin, khur hi insecticide a lo kah lawk bawh tur a ni. Thlai chinna tur lei te hi kum thum danah test tir thin tur a ni a, chumi test result a zirin chinai thi quintal 10 hectare khatah pawlh tur a ni.

Phunsawn Hun (Tlangram tan):

Hnah kir natna laka ven nan October ah phunsawn tur a ni.

Phun Inkar Hlat Zawng:

Thlai leh thlai : 30 cm	} determinate leh semi determinate variety-ah
Tlar leh tlar : 50 cm	
Thlai leh thlai : 30 cm	} Ineterminate variety-ah
Tlar leh tlar : 75 cm	

Leitha Pek Dan:

Nitrogen dose chanve leh FYM, P₂O₅ leh 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