

**Nursery a kuitiah:**

Thlai kan phun tur te hi nursery a kuitiah phawt a tha ani. Nursery chu ni hmuh thatna, hmun sang lam leh tui tlin theih lohna hmunah siam tur ani. Nursery a lei chu dip tha tak ani tur ani a, leitha nen pawlh tur ani.

Thlai kan kuitiahna tur lei chu natna laka a lo him theih nan, captan/ carbendazim (1.0 g/ litre water) damdawi kah tur ani a, rannung laka ven nan lei chu chlorpyrifos a kah bawk tur ani.

**Sik leh sa:**

Thlai te hi sik leh sa 10 - 28°C ah hlawhtling takin a chin theih ani.

**Leilung duhzawng:**

Lei eng ang chi ah pawh a chin theih a, leithur lam deuh a ngeih zawk a, pH 7.5 aia sangah chuan a tha theilo, tin, leithawl lam, ruahtui tlintheih lohna hmunah chin tur a ni.

**Phun hun:**

- Kharif (Fur) - March to July
- Rabi (Thlasik) - September to December

**Phunsawn:**

Nursery a thlai kan kuitiah te hi a tlangpuiin kui atanga ni 28 atangin a phunsawn theih a, purun sen hian hun a duh rei bika, ni 56-100 na ah a phunsawn theih a, hmarcha leh bawkbawn te hian ni 30-45 an mamawh ve thung phunsawn nan.

Thlai tiak phunsawn hun tawh te hi phunsawm dawn hnaihah ni 7 chhung chu nidanga tui kan pek thin aia tlem tui

pek tur ani. Thlai tiak te hi phunsawn hma in a zung hi carbendazim damdawi tui ah chiah phawt a tha.

**Phun bit zawng:**

Thlai kan phunna tur khur bi hi a inhlat zawng mumal taka siam tur ani a. A khur bi inkar hi feet 1½ a inhlat ni se, tin, a khur tlar hi feet 2 a inhlat ani bawk tur ani.

**Tui pek dan:**

- Phunsawn rualin pek tur
- Ni 8-12 danah
- A par laiin
- A rah in siam laiin.

**Leitha pek dan:**

Leitha an mamawh dan hi a ram leilunga zir te, a chinna ram a zir te leh a thlai upat dan a zirin a danglam a.

Phosphorus leh Potash full dose leh Nitrogen dose chanve te hi leilung sawngbawl laia pawlh tur ani. Tin, Nitrogen la bang zawng te hi split dose in phun sawn atanga kar 4-5 na ah leh a rah in siam laiin pek tur a ni.

**Thlawhfai leh rihvur:**

- Hnim hi vawihnih thlawhfai tur ani a. Phunsawn atanga ni 20 leh ni 40 hnuah hnim thlawhfai tur.
- Phunsawn atanga kar 5-6 na ah rih vur tur
- Fur laiin rih vur hi tih tur.

**Thlai dang nena chinpawlh:**

- Tomato leh knol khol (Tomato tlar 1, Knol khol tlar 2)
- Bawkbawn seng hnuah bawrhaisaiabe chin

**A seng hun:**

A tlangpuiin kan thlai phun te hi phunsawn atanga ni 80-120 na ah a seng theih ani.

**Natna leh rannung eichhetu:****❖ Parbawr/Zikhlum/Broccoli**

1. **Pangang:** Malathion 50 EC @ 1.5 mL/litre water a kah tur
2. **Perhpawng/ cutworm/ red ants:** Malathion powder @ 20 kg/ha phul tur
3. **Black rot:** Agrimycin/ Streptomycin @ 0.1-2 g/ litre water in thlai kan chinna tur lei kha phunsawm hma in chiah tur.

**❖ Tomato**

1. **Late blight (Alu tam):** Macozeb 7 WP (2g/L water)/ Dithane Z-78 (2g/L)/ Metalaaxyl (2.5g/L water)/ 1% Bordeaux mixture (10g CuSO<sub>4</sub> + 10g lime + 1 Litre water) a kah tur.
2. **Bacterial wilt:** Streptomycin @ 200 ppm in tomato chinna lei chu chiah tur. Oil cake pawh a hman theih.
3. **Fungal wilt:** Captan 50 WP 0.3% (3g/L water) in a chinna hmun chiah tur.

**❖ Bawkbawn**

1. **Fruit and Shoot Borer:**
  - (a) Phunsawn atanga ni 20 hnuah Phorate/ Carbofuran @ 2.5g/plant phul tur.
  - (b) Deltamethirn (1mL/L) emaw Malathion 50 EC (1.5mL/L) kah tur.
  - (c) Bawkbawn karah emaw a sir zei zei ah purun var phun tur.

## Thlai Chin leh Enkawl Dan



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2. **Bacterial wilt:** Streptomycin @ 100 ppm in lei chiah tur.
3. **Fungal wilt:** Captaf @ 3g/L water in lei chiah tur.
4. **White blight (White mould):** Carbendazim (0.5g/L) in kah tur.
5. **Nematodes:**
  - (a) Root knot nematode tan Sebuphos @ 0.6 a.i/m<sup>2</sup> a tha.
  - (b) Thlai tiak zung chu monocrotophos/ carbosulfan @ 0.05% ah darkar 6 chiah tur.
  - (c) Tin, bawkbawn zung chu carbofuran/ phorate 500 ppm in minute 30 chiah tur.

### ❖ French Bean

1. **Aphid, Jassid leh Beetles:** Malathion @ 2 mL/ litre water kah tur
2. **Anthracnose, Root rot and Wilt:** Bean chi hi phun hma in Captan @ 2-3 g/kg in chiah tur. Anih loh pawhin carbendazim/ benloate in a kung kah tur.
3. **Leaf spot:** Ni 15 danah Mancozeb 75 WP (2g/L) a kah tur
4. **Bacterial blight:** Streptomycin @ 2.5 g/kg in bean chi chiah tur.

### ❖ Bawrh Saiabe

1. **Fruit and shoot borers and Jassids:** Deltamethrin 2.8 EC (0.5 mL/L)/ Dichlorvos 100 EC (0.5 mL/L)/ Malathion 50 EC (2 mL/L) kah tur.
2. **Cut worm:** Malathion 58 Dust @ 20kg/ha phul tur.
3. **Yellow vein mosaic:**
  - (a) Lo in ven lawk nan, thlai chi a tiah atanga ni 20 chhungin Dimethoate/ Oxydemeton methyl a kah tur. Vawi 5-6 kah tur ani.

- (b) April hma a chin a tha.
- (c) February emaw March a chin hi a tha ber.

### ❖ Behlawi

1. **Caterpillar and Aphid:** Malathion @ 1-1.5 mL/L kah tur.

### ❖ Purun sen

1. **Thrips:** Malathion 50 EC @ 2.0 MI/L water kah tur.

### ❖ Hmarcha

1. **Fruit rot/ Anthracnose disease:** Captan 50 WP @ 2g/L water kah tur.
2. **Root knot nematode:** Neem oil cake. Mustard oil cake leh ran ek/ bawng ek pek tur.

### A chi dah that:

- Bean leh Chana: Nisa ah ni 10-12 chhung pho tur. Chuan thing hmarcha powder @ 3% in bean chi chu chiah tur.
- Bawrh Saiabe: A kung hnuai lam a rah hmasa ho 8-10 chu a chi a tan dah that tur.