

SER EICHHETU RANNUNG LEH NATNA ENKAWL DAN

Mizoram leilung, sik leh sa hi ser in a ngeih em avangin a rah pawh a tui hle a. Thlai dang te ang bawkin a ti chhe tu rannung leh natna tam tak a awm a, chung zinga a lar zual deuh te chu i lo zir chiang ila.

A HNAH EICHHETU TE :

1. Citrus butterfly (*Uite pangang*)

A pangangin a hnah te an ei kaw duak duak mai a, a kawng vek zel. A hnah an ei kawng avangin a kung a thang tha thei lo



A enkawl dan:

- A pangang leh a tui te kuta man a thah tur. Forceps / tweezers hmangin man a awl bik.
- Karanjin (Derisome 2%) @ 2 ml/l or NSKE (5%) @ 5 ml/l in kah tur.
- A pangang tet laiin Contact / systemic insecticides eng pawh, eg. Dimethoate @ 1.5 ml tui litre 1-a pawlh a kah tur

2. Citrus leaf miner (*a hnah hreh tu*)

Eng ser pawh a nursery leh a puitlin Hnuah pawh a bei vek mai. Pangang in a hnah leh a zik no lai an eiin a chhungah an hreh kaw kual chuk thin. A hnah a ti khawrin a inzial thin.



Aenkawldan

- A ei chhiat hnah te chu sih chhum a paih tur.
- Yellow sticky traps hmangin a phengphehlep man tur.
- An tui duh loh nan a hnah chawr no tirh laiin Karanjin (Derisome 2%) @ 2 ml/l or NSKE (5%) @ 5 ml/l -a kah tur.
- A hnah chawr no apiangin Monocrotophos (0.05%) emaw Dimethoate (0.03%) ni 15 danah vawi 2 kah tur.

A HNAH / RAH ZUKTU TE :

1. Aphids

A hnah hnuai lamah te, a tang zik leh a rah sen te a rualin an zuk thin. A tang leh a hnah te a ti vial/herh thin. 'Tristeza' virus an theh darh.



A enkawldan :

- A hnah chawr no laiin Neem / Karanjin (2%) ni 15 danah vawi 2 kah tur.
- Ladybird beetle / lacewing bug kung khatah a pui 20 chhuah tur.
- Yellow sticky traps hman a tha.
- Monocrotophos (0.05%) a chawr no hunah kah thin tur.

2. Citrus Mealy Bugs

A no leh a pui (a nu) ten a hnah hnuai lamah an zuk thin. A rah a kuang nen a in vuah-nalai an beihin a rah a ti tla nasa thei hle. An zuk pahin khawizu an ti chhuak a, sooty mould a pian phah. Favang leh nipui ah a hluar bik thin.



A enkawl dan

- A zuk hnu a tang te chu thlasik laiin suat / hlawi tur.
- A kung bul lamah thil ban emaw sarang a tuam in lei atanga rawn vak chho tur a dang thei.
- Nipui laiin a tui tih chhiat nan a kung bul vel lei chu lai phut vak tur.
- Ni 45 danah Prithvi Gurlic Gold @ 1 ml/l vawi 2 kah tur.
- Chlorpyrifos 0.05% or Carbaryl 0.1% or Fenitrothion 0.05% or Dichlorvos 2 ml/l kah tur.

3. Citrus psylla

A pui leh a no in a hnah leh a zik/kuhmum ah te an zuk thin. A hnah te a herh kawir/kir. Khawizu an ti chhuak a, sooty mould a pian phah a, Bacteria natna 'citrus greening' a kai darh bawh.



A enkawl dan :

- A hnah hring-eng natna 'citrus greening' vei te chu kar pawh a hal tur.
- A zuk na hnah leh zik te chu sih chhum a paih tur.
- Ni 45 danah Prithvi Gurlic Gold @ 1 ml/l vawi 2 kah tur.
- Ni 10-15 danah Dimethoate 1 ml or Imidacloprid 0.4 ml tui litre 1 pawlh in vawi 2 kah tur

4. Pi-khawizu (Fruit fly)

Ser rah hmin tawh te chu zukin/ hawlh kua in a tui a phum thin. Hemi kua atang hian bacteria leh fungi natna a lut thin.

A rah chhungah chuan a tui a keu in a lung thin. A rah a ti tla nasa. Khaw hnawn laiin a hluar bik.



A enkawl dan :

- Fruit fly suat nan a rah tla te chu char khawm zel a, thuk taka phum tur.
- A pui thah nan a seng hma ni 60 ah Methyl eugenol (0.1%) leh Malathion (0.05%) chawh pawlh dah a, a rah lawh zawh thlengin a thar kar tin thlak zel tur.
- Hectare 1 ah hmun 25 velah dah tur.

5. Thlangdar: A rah zukin a ti tla nasa thin hle.

A enkawl dan :Endosulfan tui litre 1 ah ml 1 pawlh a kah tur



6. Fruit sucking moth

A pui hian a rah puitling tawh te a zuk thin. A zuk tawh te chu a hmin hmain a tla thin. A zukna atanga bacteria leh fungi ten an tih tawih thin avangin.



A enkawldan :

- A rah tla te chu chhar khawm a, phum thin tur.
- Zanah eng chhit a, tur chah tur.eg: eng hnuai chawhtawh a khawnvartui dah
- Kurtai 1 kg + Vinegar 60 gm + Lead arsenate 60 gm/ Malathion 10 ml + Tui 10 litres) Hei hi bur rawng zauah dah a, a rah hmin hmain a kungah khai tur. Bur 1 kung 10 in an intawm thei.
- Phengphehlep hnawh bo nan tlai nitlak hnu ah meikhu siam tur.
- A rah bag a tuam a, a kung tho lenin tuam a tha.

7. Scale insect

A tui te a nu pumah an keu a, an rawn vak chhuak thin. A hnah, tang leh zar te an zuk/ bawm a, a sawng/ zur phah thin.



A enkawldan:

- A zar leh tang an zuk te chu hlawi a, hal tur.
- Prithvi Gurlic Gold @ 1 ml/l ni 45 danah wavi 2 kah tur.
- Monocrotophos (0.05%) a hnah chawr no apiangin kah thin tur.

A NGETTU TE :

1. A kung nget (Trunk borer)

A pui leh a vual ten a kung an bei ve ve. A pui te hi March thla tawp leh April kar 2-na vel hian an rawn lang tlangpui. A vual te hian a kung chhungah a zig-zag in an hreuh/ ei a, a kung chaw inpekna a ti-buai. A pui hian a kawr/pil te a ei ve.



2. A tang ngettu (Shoot borer)

March atanga May-June velah an active tan. A hnah chawr tira a tui hnuin a pui chuan a zik a vet thin. A tui keu chuan a zik atangin a hreuh thla a, an buhchi um thlengin an awm thin.



A enkawldan

- A nget awmna zar, lo ro leh chuai ta te chu hlawi a hal tur. Hei hian a hnah zuk tu lo awm te a tih thih bakah a ngettu vual leh buhchi um te a ti thi baw a ni.
- A ngettu a pui te hi man leh thah nan April – August hian a kung sawi vak a tha.
- Bordeaux mixture + Carbaryl (50 WP) 2 gm chawh pawlhin lei seh chin atanga meter 1 thleng thlasik laiin tah tur.
- A nget kua ah Khawnvartui/ petrol 5 ml syringe in kahluh a, lei bana char phui tur. emaw,
- A kua chu thir zuma hawlh fai hnu in lapua ah khawnvartui /petrol/ Carbaryl / Dichlorvos/ Monocrotophos / Endosulfan chiah a, a kua ah hawlh luh a, lei a char phui a tha.
- A nget em tih en reng thin tur.

A NATNA LAR ZUAL TE:

1. A hnah leh rah bawl (Citrus Canker):

A hnah tang leh rah ah te bawl/bawk thap deuh hruih a awm.



A enkawldan:

- Streptomycin Sulphate 500 ppm kahtur.
- Fur hmain a na lai te hlawi thin tur.
- Bordeaux mixture kah tur.

2. A kung bul tawih (Gummosis) : A kung bul thut rawn uk in a khi thin a, tui hnang a chhuak. A kung a tirovin a thi thei.



A enkawldan: Bordeaux paste hnawih tur. Captan @ 2gm tui litre 1 a pawlh a kah tur.

3. A ler atanga thiro (Dieback): Thingzar ro, a ler/chung lam atangin a ro thla.



A enkawldan : Thingzar ro paih tur. Carbendazim 1g/ litre of water emaw Bordeaux mixture kah tur.

4. Vutbuaknatna (Powdery mildew) : A kung leh a hnah ah te phut var a lo awm thin.



A enkawldan : Sulfex @ 0.1% (tuilire 1-ah gm 1 pawlh a kah tur.

5. Citrus Greening : Citrus Psylla ten an kai darh a, Mycoplasma vang a ni.



A enkawldan: Tih dam a har a, a kung leh tang te suat a hal tur. A theh darh tu rannung te hi thah baw tur.

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