

## **Rannung leh natna lak a thei chi hrang hrang vendan**

Thei kungte hi kum tam tak chhung an dam thin avangin enkawl uluk an ngai em em a. Kum tin a hmunngaih an awm a, a bawmtu rannung leh natna hrite hian inthlahpunna hun remchang tak an nei thin a ni. Kum hmasa lam a rannungte kha lo inthlahpung zelin akum lehah thei kungte chu an bawhchhunz awm zel thin. Hei vang hian kum 1 thlaite ai chuan hri leh natna bakah a eichhetu rannung chi hrang hrang chhawm an nei nasa bik em em a ni.

### **1. A chi leh a tiak:**

- Thei phhun tur chu a hrisel tha tur a ni a, tin, a chi anih pawhin uluk takin a hriseltha ngei thlan tur a ni.
- Theikung naupang lutuk atangin a chi lak loh tur a ni a, tin a kung upa ami pawh nise, a rah la naupang chu a chi a tan lak loh tur a ni. Eg hmun thenkhatah chuan kuhva tiak puitling hlei theilo te a awm fova, hei hi a chhan ber chu, a chi a tana an hman hi ei atan pawh a tlak loh no hnip tak, an vawm khawmte a ni fo thin, heng atanga a tiak an lakkhawmte hi phun hnu kum 2/1 pawh daihlo an ni chawk.
- Theichu a tiak kan phun dawn anih chuan kum1 a upa hi a duhawm ber. Thei tiak chu a him dam tur a ni a, a pil pilh leh khem nasate hian natna hri an kaihma a, tin a hnah hrisello, val leh lawng natna hnuhma awmte hi thlan loh hram tur a ni.

### **2. A chi tha, natnatuar/ do thei (resistant Varieties)**

- Thei kung thenkhatte chu natna leh rannung do thei tur leh duh loh tur a abik a siamchhuah an awm thin, heng ang a chi thate hi Department/nurserymen ten lakchhuah chang an nei thin a, chungt echu chin/phun zawng chhang a tha hle.
- Ser kung zawm /mitbel a tan pawh hian ram chhung a tualto ser eitlak mang loh te hi a tha a, a bul lamah heng serte hi hmang ila, alerl amah sertui tak kan thar thei a. Hetiang a ser kung zawmte hi a thatna chu, natna leh rannung an do thei hmai bakah a tual to anih a vangin ser tam hri leh hrisellohna dang tamtak a pum pelh theih a ni.

### **3. A chi tuhna/ kuinahmun**

- A chi hi kui ngei nise a tha a, a kuina hmunah hian enkawl a awlsam a, tin a hrisel tha lo te pawh a paih nghal zel mai theih a ni.
- Phunsawn dawnin a khurtur lo laih lawk nise, bawngkek Leitha, neem cake leh fertiliser-te in hnawh khat leh in chutah chuan phunsawn ngei thin tur a ni.

### **4. A phunkarhlatzawng**

- Thei kung phun reng rengin a kung leh a kung inkar hi uluktak a duan a tul thin. Thei kung chu a za buk leh buk loh danah hian a phun inkar hlat dan a hril thui hle a, thei kung inkarah a thlai dang kan ching dawn lo a nih chuan a zarte chu a indip dal phak lo tur tawkvel a phuntur a ni. Theikungbuk chi tawt deuh a phun a that loh rualin a karah thlai dang kan dah dawn a nih loh chuan inhlath deuh a phun hi a tha chuang lo bawk.

### **5. Huanenkawlfai.**

- Huan hi hnim laka afai loh chuan thei kung tichhetu rannung chi hrang hrangte leh natna chi hrang hrangte hian inthlahpun an awlsam em em a ni tih kan hriat reng a tha. Thei kung bawh luka a hnim zam thin te hi then thin a tha.

### **6. Leilunglaihphut**

- Nipui lain thei kung leh thei kung inkar chu laihphut thin a tha. Hei hi tlangram hmunawihah chuan a harsa anih pawhin hmunzawl deuhah leh rualremah chuan tih ngei a tha. Hetia

laihphut hian rannung leh a tui inphumte chu hailangin, natna hrite pawh ni in a hem hlum thin a ni.

**7. Thei kung hrisello thenfai**

- Thei kung chu a tangte, a zarte, a hnahte leh a peng dang dang, a rah leh a parte thlengin hrisello bik a awm thin, hengte hi uluk taka zawn chhuah thin tur a ni. Thei kungte chu a peng thenkhat mai hrisello anih chuan sahthlak a halral thin tur a ni.
- Thing zar leh tangte chu ruahtui dawnglo zawng a sahthlau zawng a tan thin tur a ni.
- Kan sah pemna hmuam hma ah hian Bordeaux mixture emaw fungicide engemawber hnawih thin tur.

**8. Thei rah leh a kung tichhetu rannungte tihlum**

- Thei kung bawmtu rannungte chu vaikhawm a tihlum thin tur.
- Thei rah tlatec harkhawm a, phumbo thin tur.
- Thei kung nget leh natna awm thei zar leh tangte lakkhawm a halral thin tur.

**9. Mei chheh leh meikhuk**

- Thimhlimah huan hmun remchang laiah meichhem thin tur.
- Chhunah leh hun remchan laiin huanchhungah meikhuk thin tur, meikhu leh mei rim hian rannung tam taka umbo a ni.

**10. Thing ngetkawhnawhlehtihfai.**

- Thei kung chi hrang hrangte hi a kung ngetin a bei duh thin hle a, heng nget kuate hi tihfai a, lapua a khawnvartui / petrol/ rannung thahna hlo a hnawh hnuaha hlum a belhnan leh thin tur.
- Thirzaitepawhin a kua an kerfai thin.

**11. Rannungtangkaikumhal**

- Huan leh lo-ahte hian rannung tangkai (natural enemies) tam tak an khawsa ve a, hengho hi zuah a tihlum loh hram hram tur a ni.
- Maimawm chi hranghrang, khuaيرانungei chi, daidep, utawk, laiking, tekral,khauchher, fanghmirrannungei chi chi hrang hrangte hi natural enemies te chu a ni

**12. Thilnungtangkai, biopesticidehman**

- Thilphun tur emaw tuh turemaw te chu thilnung tangkai, trichoderma spp, lady bird beetle, chrysopids, Baccilus thurigenensis, NPV, DD-136 nematode, Beauvaria spp. te Metarhizium spp te leh neem atanga siam chhuah rannung thahna hlo hmangte hian rannung chi hrang hrang a suat theih a ni.