

2. Damping Off: Hei hi

nursery a natna tlanglawn tak a ni a, lei seh chin a thlai tiak ti lawng tu ni in hmuar natna chikhat a ni. Company siam thlai chi te hi chemical a sawngbawl sa an nih deuh vek avangin a chi sawngbawl hi a tul lem lo thei a. Amaherawhchu, fungicides - **Bavistin** 1g tui litre khatah emaw **Dithane-M-45** 2g tui litre khatah pawlh a nursery bed chu thlai tiah hnuu uluk taka leih huh tur a ni.



3. Downey Mildew: Downey

mildew hi parbawrah chuan hmuar natna tlanglawn tak pakhat a ni a, vut buak natna kan tih te nen thuhmun deuh a ni na in he natna erawh hi chu a hnah hnuai lamah a lang chhuak thin a ni. Vut-buak anga langchhuak hi a rei deuh hnu chuan hriau beng tiah lek lek in lawng/pan ang deuh, rawng uk, a hnah chung lamah rawn langchhuak in a hnah te a ti ro thin a ni.



A Enkaw! Dan: Thlai chinna hmun leh a vel te uluk taka enkaw! a tih fai thin bakah a hmun ngai a thlai thuhmun chian loh tur a ni.

4. Black Rot: He natna hian

leiseh chun chunglam - a hnah leh a parbawr thlengin a bei/tichhe thin a. A lem a kan hmuh ang hian 'V' shape ang deuh in a hnah beih te chu a ti ro thin a ni.



A Enkaw! Dan: Copper Oxychloride (Blitox) tui litre khatah 3g pawlh hi ni 10 dana vawi thum tal kah tur a ni.

5. Buttoning: Thlai a than puitlin tak tak hmoin te reuh te tein a par a, a thar hlawk loh phah thin. Thlaiin tui a hmuh that tawk loh vang emaw, thlai tiak upa lutuk phunsawn emaw, nitrogen tlakchham vang emaw, a hun lo a parbawr variety chin vang te in a awm thei a ni.



6. Whiptail: Hei hi thlaiin element chikhat **molybdenum** a tlakchham vanga awm a ni a. He element tlachham parbawr chu a hnah rawn eng in a hnah pumpui a ti var vek thei bawk a, a hnah sir lam lo kawm in a vuai mai thin.

Molybdenum 1kg hi tin khat leh a chanve hmunah NPK nen kah thin tur a ni.

A Seng Hun:

Parbawr hi a bawr lian tha pangngai tak a nih tawh hnu, muk tha tak si a a la awm lai hian seng/sah thin tur a ni a. A seng hun taka parbawr hi seng a nih loh chuan a bawr a chu lo thawl telh telh in par chhuah turin a insiam thuai a, man-man taka hralh a har tawh thin a ni.

A Thar Hlawk Dan:

Parbawr thar rang (Early Maturing Varieties) kan tih ho hian a tlangpuiin tin hnih leh a chanve hmunah (1ha) quintal 150-200 vel a thar thei a, A laihawl (Mid Season Varieties) hian 250-300 q/h thar thei in, a thar tlai (Late Season Varieties) ho hi thar hlawk berin 350-400 q/ha vel a thar thei a ni.



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Hlawk Zawka Parbawr Chin Dan
(Package of Practices for Cultivation of Cauliflower)



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Introduction:

Parbawr kan tih hi, *Latin* tawng thumal pahnih '*Caulis*' leh '*Flora*' atanga lak a ni a. A awmzia chu '*Zikhlum Par Chi*' tihna a ni ber. Chawhmeh atana kan ei ber - a parbawr (Curd) hian Vitamin-B leh Protein thahnem tak bak ah taksa tana tha leh tangkai, hrisel nan a pawimawh tak tak 'Mineral' chi hrang hrang - Phoshorus, Potassium, Sodium leh Calcium te thahnem tak a pai bawk a ni.

Variety Hrang Hrangte:

Parbawr hi kan chin hun tur a zir leh sik leh sa a zir a chin tur chi (variety) chi hrang hrang a awm a, kan chin tlanglawn thenkhat te chu:

Type	Variety Hming	Phunsawn atanga a seng theih hun	A thar hlawk dan (q/ha)
Open Pollinated			
Thar hma	Pusa Early Synthetic	68 days.	230
A laihawl	Pusa Sharad	72 days.	320
Thar Tlai	Poosi	95 days.	250
Promising F₁ Hybrid			
Thar hma	Suhasini, Snow Queen	65 – 70 days.	260
A laihawl	Lucky	75 days.	320
Thar Tlai	Mahima	92 days.	310
Bio-fortified Variety			
A laihawl	Valentena, Carotina	75-85 days.	250-320

A Chin Nan a Leilung Duhzawng:

Parbawr hi leitha mamawh tak, dur tha tak leh lei thawlang ah a tha duh ber a. Lei sakhat lutuk leh tlak lei lutuk ah chuan chin loh tur a ni. Lei thur lutuk lo leh al lutuk lo 'neutral' (pH 6-7) hi parbawr chin nan chuan duhthusam a ni.

Sik leh Sa:

Parbawr hian a tlangpuiin a thar rang chi tan 20-25°C, a laihawl tan 15-20°C vel leh a thar tlai tan 8-12°C vel

hi an mamawh tlangpui a ni.

A Chin Hun:

A thar rang : June-July
A laihawl : August-September
A thar tlai : October-November/December

A Chi Mamawh Zat:

A thar rang : 600g/ha. (tin 2¹/₂ hmun atan)
A laihawl leh Thar tlai : 400-500g/ha (tin 2¹/₂ hmun atan)

Nursery Buatsaih:

Nursery tur lei sawngbawl nan hian leitha/leichi (fertilizer) hman loh tur a ni a, bawngkek leitha/vermicompost etc. a tam thei ang ber hman tur a ni. Nursery hi khuh/zar hul hram tur a ni a, ruah bawhawk/ruah sur thut lakah thlai tiak no tak tak te an him theih nan nursery bed chu a chung zar hul hram tur a ni. Lei hnawng lutuk leh tui pek tam lutuk palh a tui in thlihul zung zung thei turin nursery bed chu inchi 6 vel tal a rih pawn tur a ni. A chi thlak atanga ni 25-30 ah phunsawn tur a ni a, thlai tiak upa lutuk hi chin tura hman loh tur a ni. Hmuar natna (Fungal Diseases) awm thei lakah thlai kui tiahna hmun chu a tul anga 'Fungicides' a sawngbawl tur a ni.

A Chinna Hmun Tur Sawngbawl Dan:

Kan chinna hmun tur leilung a zirin bawngkek leitha/vermicompost a tam thei ang ber hman tur a ni a. Thlai chawpui - Nitrogen (N); Phosphorus (P) leh Potassium (K) te hi 120kg:60kg:60kg (Urea-260kg:SSP-130kg:MOP-100kg) tin 2¹/₂ hmun ah pek tur a ni. Urea pek tur zat chanve leh SSP & MOP pek tur zawng zawng te hi a chinna hmun tur leilung sawngbawl ruala pek nghal tur a ni.

A Tiak Phunsawn Dawna Hriattur:

Thlai tiak te hi ni 25-30, hnahpui 4-5vel an chhuan hnuah nursery atanga kan chinna hmun tur a phunsawn tur a ni a. Phunsawn hma ni 3-4 vel ah thlai tiak te hi tih tuarchhel nan tui pek loh tur a ni a, mahse phunsawn dawn ni ah erawh hneh taka tui pek thung tur a ni.

A Phun Karhlat Zawng:

A thar rang : 45×30cm (1.5 x 1ft)
A laihawl : 60×45cm (2 x 1.5ft)
A thar tlai : 60×60cm (2 x 2ft)

Hlo Thlawh Leh Rih Vur:

Hlo te hian lei atanga thlai in chawtha a lakluh tur tam tak hi a eipui ve avangin uluk taka thlawh fai tur a ni a. Hlo thlawh apiang hian kan thlai chin te chu rih vur pah zel tur a ni.

Thlai Natna leh Venhim Chungchang:

1. **Leaf Webber:** Hei hi pangang in a thlen ni in a hnah te a ei chhia a, a eichhetu hi a hnah hnuai lama a awm thin avangin uluk taka en loh chuan hmuh hmaih a awl hle. A hnah bak ah hian a parbawr insiam tantir te pawh an ei chhe tel thin tho a ni.



A enkawl Dan: An tam viau a nih loh chuan thlai eichhe tu pangang te chu vai a tihrem a tha ber. A nasat viau erawh chuan rannung thahna **Profex (Prophenophos)** tui litre khatah 2.5ml vel pawlh a kah tur a ni.