

French bean

Hlawk zawk a thar chhuak tur a enkawl dan



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French bean

Scientific name	: <i>Phaseolus vulgaris</i>
Mizo	: Sap bete
Hindi	: Pharas bean
English	: French bean

Sik leh sa :

- Khawlum lutuk lo vawt lutuk lo v a h c h u a n engtik lai pawhin a chin theih reng



- Ruahtui tam lutuk leh tui tling a ngai thei lo
- Khawlum lam 20°C - 25°C hi than nan leh a rah siam nan a mamawh tawk
- Khawlum lutuk (>35°C) leh khawvawt lutukah a rah tha theilo

Leilung mamawh zawng:

- Lei thawl lam pang deuh dur tha bawk si, tuipai hnem mahse tui tling loah a tha
- Tlak leiah a tha theilo a, a thang chhe bawk
- Lei thurah a tha theilo; pH 5.5 – 6.8 a ni tur a ni a, 5.5 aia hnuai a nih chuan chinai 10-15q/ha theh tur a ni.
- Lei thatna apiangah a tha duh.

Leitha (fertilizer) mamawh zat : Leitha mamawh zat hi lei that leh that loh dan a zirin a danglam hret thei a, chumi mil chuan her rem tur a ni.

- Bawngek ro tha leh tawih tha : 20-50t/ha
 N : P : K : : 40 : 50 : 40
 Urea – 46 Kg/ha
 DAP – 108 Kg/Ha
 MOP – 67 Kg/Ha
- Urea hi kar 2-3 danah vawi 2-3 pekah hman tur.

A chin hun:

- Thlasik thlai - September to November
- Nipui thlai - February to April

A chi mamawh zat :

- Bean thu (a zam lo chi) - 50 – 60kg/ha
- A zam chi - 25 – 30kg/ha

A kar hlat zawng :

- Bean thu (a zam lo chi) - 30cm x 5cm
- A zam chi - 90cm x 7.5cm.

Enkawl zui dan :

- Bean chu tuh atanga ni 3-4 ah a to
- Ni 45 hnu velah a par tan hlum a keh duh)
- a bul thlawh fai reng tur
- a hnah huh laiin thlawh loh hram a tha, a chhan chu natna chi khat Anthracnose leh anular leaf spot (spore) te kah ahuh laiin a thehdarh/ kai duh bik
- a zam chi tan a zamna siam tur



- vaimim kung leh bawrh Saiabe kungah te pawh a zam tir mai theih (mixed crop)
- a zik zam kan tir tawh chi a kuai zawnga a zam chuan a zuih ral a, a bull amah a chawr thar leh a, a rah tlai thin

Tuipek :

- A zung a pawn lang avangin tui tam lutuk leh lei ro an ngai thei lo
- Tui tling an duh lova, tui a hnawng tawh chauh a awm in a ngeih ber
- A par hma, a par tur insiam dawm lai (pre blooming), a parlai (blooming), a rah insiam dawn laite hian tui kham khawp an dawng ngei ngei tur a ni
- Tui kham khawp a hmuh loh chuana rah a dep duh

A rah seng :

- Bean zamlo chi chi ni 50 hnuah a rah a lawh theih
- Bean zam chi chi ni 60 – 75 a mamawh
- A par atanga ni 7 – 12 hnuah a lawh theih tlangpui

Thar zat :

A zamlo chi :- 50 - 60q/ha
 A zam chi :- 110 - 140q/ha

Seng hnuah sawngbawl dan:

Bean hi a chhe hma em em a, a rah lawh veleh dah vawh vat a ngai thin. Bean seng zawh veleh hian sil fai a, natna kai leh a rah chhe deuh leh te deuh chu paih tur. Hetia a tha thlan chhuah tawh hi a dahthatna hmun ah emaw hmun danga phurh sawn hmain a rang thei ang bera dah vawh phawt tur. A dahthat nan hian boruak lum lam 5-7°C a tawh chauh a ni, hetia dahthat hian chuan ni 20-25 lai a dahthat theih a. 1-

2.5°C hnuai lamah chuan ni 10-12 hnuah a vawtin a hmet chhe thei mai thin.

Thlai venhimna lam

Rannung:

A rah nget:

Pangang buang leh a hring te tak te te hian a rah chu a kher a, a mu a ei thin.

A ven dan:

1. Malathion 50Ec @ 2ml /lit of water or quinalphos 25 EC @ 1.5ml /lit of water or a ah tur a ni a, hemi a nih loh pawhin h Fenvelerate dust @ 20-25 kg /ha a phul tur a ni .
2. A rah chhe zawng zawng chu lawh a, paih vek tur ni.

Leaf eating caterpillar:

Pangang hring chi khat hian a hnah leh a kung no lai a ei thin

A ven dan:

1. A tui chu paih bova, a hnah a ei chhiat tawh pawh mal thlak a halral tur.
2. Quinalphose 25 EC 1.5ml/lit of water or Endosulphan 1 ml/lit of water a kah tur.

Aphids:

He rannung hi fanghmir tui ang tak a ni, a hnah, a kung no leh a kuhmum a tuihnang zawng zawng a hip ral vek thei a, a tawpah a lo khawrin a kir a, a tawpah a ro vek thin.

A ven dan:

1. Dimethoate 30 EC @ 1.5ml/lit of water or Chlorpyrifose @ 1 ml/lit of water a kah tur.

Natnate:

Anthracnose:

A chi rawn tiak tir hi a duk sen khuar deuh anih loh pawn a eng a inrin riak in, a lei seh chin chunglam zawngah a rawn awm a, a ti thi hial thei. A mu pawh a khawih tel thei hial a ni.

A ven dan:

1. A chi kg khat ah carbendazim, Mancozeb @3 g a kah tur
2. A rahah chuan he natna hi a lan veleh carbendazim @ 1g/lit of water or Mancozeb 2g/lit of water a kah tur.
3. Remove affected parts and burn

Rust:

A rah bawrah a rawn en thet thet hian he natna hian a rawn khawi tan tihna a ni a. a hnuah a rawng uk tak leh a sei zawnga dum deuh ruahin a rawn awm leh a, he natna hi a nasat chuan a kung a thi hial thei a ni.

A ven dan:

1. A chi kg khat ah carbendazim, Mancozeb @3 g a kah tur
2. Mancozeb 2g/lit of water a kah tur

Leaf spot:

A hnaha bial te takte emaw rual loh deuh nuaih a dum thliah thliah-in a awm thin.

Control Measure:

1. A chi kg khat ah carbendazim, Mancozeb @3 g a kah tur
2. A natna a lan chhuah veleh Carbendazim @ 1g/lit of water or Mancozeb 2g/lit of water a kah tur
3. Natna kai lai chu mal thlak a hal ral vek tur ani.

Common bean mosaic:

A hnah chu nasa takin a lo chuar a, a puar deuh bawka, a kung a thang tha thei lovin a rah a tlem phah thin.

A vendan:

A natna kai chu paih chhuah a halral tur. A chi thlan laiin natna kailo chauh thlan tur. A natna a nasat deuh chuan thlai dang nen a chin thlak daih tur.