

GARLIC / PURUN VAR CHIN DAN

Scientific name : *Allium Sativum*

Family : Alliaceae

Purunvar hi thlaibulnei chi-ah chuan thlai hralh kal tak leh Bawlhlo atan kan hman lar ber pawl a ni a, sum hnar tha tak a ni.

Purun varah hian mihring tana chakna Vitamin entirnan Protein, Phosphorus, Potash, Calcium, Magnesium leh Carbohydrates te a kengtel a. Purunvar ah hian Ascorbic Acid (Vit-C) a bik takin a tam bawk.

Purunvar hian kan chaw pai tawih kawngahte, thisen a thau chhia tam lutuk tur a ven mai bakah T.B. natnate, ruh natnate, hmeichhia nau pai naa harsatna neite leh awmna neite tan damdawi thatak a ni bawk.

Purunvar hi rannung thah/hnawh nan a that mai bakah Sawhthing leh Hmarcha nena chawhpawlhlin thlai enkawl nan – hmuar lam natna leh Bacteria atanga natna venna atan a hman theih bawk.

Purunvar hi a to bul chu Central Asia leh Southern Europe, a bik takin Mediterranean Region a ni.

Ram dangte anga kan ramin a thar tam theihlohna chhan tlangpuite chu hengte vang hi a ni :-

- 1) Hlawkzaw a chin dan inzirtirna kawngah kan la hnufual hle.
- 2) Variety tha hi loneituten chin tur an neihtheih thin loh vang a ni.
- 3) Boruak, sikleh sabakah kan chinna leilung mamawh/tlakchham te kan hriatloh vang a ni.
- 4) Natna leh rannung eichhetute leh a dah thatna kawngah sawngbawl dan kan hriatlawk loh vangte a nibawk.

Variety chi hranghrangte :

1. Agrifound White
2. Yamuna Safed - (G-1)
3. Yamuna Safed – 2 (G – 50)
4. Yamuna Safed – 3 (G – 282)
5. Yamuna Safed – 4 (G -323)
6. Agrifound Parvati (G – 313)

Thlai eng pawh ching dawn ila, kan thlai chinna tur hmun/ram sik leh sa leh leilung dinhmun te kan hrechiang hmasa tur a ni a. A ram leilung leh sik leh sa hi a hmun a zirin a danglam thin avangin hlawk tak leh Quality tha tak thar chhuak thei turin sik leh sa leh leilung dinhmun a zir a kan insiam rem hi a pawimawh hle a ni.

Purun var ching tur te tana hriat tur pawimawh hrang hrang te chu :-

1. Sik leh sa / Climate :

Purun var hi vur leh dai khal pawhin a hmech hlum mai mai theih loh a ni a. A kung a that ang zelin a zung/bul pawh a tha a, a to tan tirh atanga a than chhoh zelna turah hian boruak vawt leh hnawng a mamawh a. Tin, a zung/bul alo insiam chhoh dawnah hi chuan boruak lum (Dry) a mamawh thung a. Tha taka a bul a insiam theihna tur chuan nitin darkar 12 aia tlem lo eng (Light) a mamawh bakah dai, boruak hnawng etc. awm lo, boruak

lum leh ro a mamawh a. Eng hi a hmuh that lohva, nikhat a darkar 8 a hmuh tlin loh chuan Purun var hi a lian thei lova, a zung/bul a insiam tha thei lo bawk a ni.

Purun var hi thar hlawk thei tur chuan a zung insiam hma thlakhat atanga thla hnih chhung hian boruak dai/vawt i.e. 20 Degree emaw a aia hniam emaw a mamawh a. Hetiang a boruak vawt/dai a hmuh loh hi chuan a zung/bul a insiam tha thei lova. A Variety a zirin thla khat atanga thla hnih aia rei boruak a vawt chuan Purun var in a that pui lo thei bawk a, hei vang hian kan Purun chin Variety hi kan hriatchian a ngai hle a ni.

2. Leilung mamawh :

Purun var hi khawi ram/lei-ah pawh a chin theih laiin lei thur/al zawng tehna pH Level 6-7 ah te hi chuan a tha duh bik a. A chinna hmun tur hi duhthusamah chuan tui tling lova a inthlit hul zung zung theihna leh lei chunglang dur tha awmna hi a ni a. Lei muk/sakhalah chuan a zung/bul a insiam tha thei lova, a piangsual/sawi duh bakah seng a harsa a, a hlawk lo bik a. Vawn that/dah that a harsa in a chhe duh bik a ni.

Tui luang/in thlit hul zung zung theih lohnaah chuan a bul a chhiat duh mai bakah a thar chhunte pawh an chhiat hma avangin dahthat a harsa a. Tin, lei thawl lutuk, entirnan – lei tui pai theih lohnaah chuan a zung/bul hi lian mahse a zang duh a, hralh chhuah atan a hlawk loh bakah rei tak a dah that theih loh a ni.

3. A chin dan :

Purun var hi a zung/bul atanga chin thin a ni a, Variety thenkhatah chuan a peng (Bulbil) an hmang ve bawk a ni.

Purun Kan chin tur chu a zung mal len zawng 8 – 10 mm Diameter a zung pawn lam chu hlawk taka kan thar theihnan kan hmang tur a ni.

Purun var kan chin tur chu 5 – 7.5 cm a thukah a zung mal zum lam emaw a chawr tur lam chu chunglam hawi a phum/tuh tur a ni. Kan tunhna hmuh tur chu lei hai pawn, a vang Metre khat (Hlo thlawh, tui pek, lei tha pek a awlsam zawkna turin) leh a dung kan ram awm dan a zir leh mahni remchan dan a seiin kan siam tur a ni.

[Tih dan dang lelah chuan Purun var chu Field a tuh/phum nghal mai lovin Nursery a tuh/phun phawt a, chawlhkar 6 hnuah kan chinna tur hmunah phunsawn tur a ni.]

Purun var chu a leilung buatsaih hnuah a theh a thehin a chin theih bawk a, mahse hetiang a tih hi chu a thar that loh thin bakah a hlawk lo a ni.

4. Chin hun / phun hun :

Kan chinna tur ram leh a hmun a zirin a hun hi a danglam thei a ni. A tlangpui thu in India ramah hi chuan, Mizoram telin, sik leh sa a zirin heng hunah te hian chin thin a ni.

- a. August - November
- b. September - November
- c. October - November

- d. March - April

October atanga November a chin hi duhthusam a ni a, amaherawh chu kan sik leh sa a zirin a chin hun chungchang hi ngaihtuah tur a ni a Phun tlai leh phun hma hian harsatna a thlen thei a ni tih hi hriat tel a tha hle.

5. A chi mamawh zat :

A chi mamawh zat hi a Variety a zir te, a zung/bul rih zawng te, a zung tam dan a zirte in a tamin a tam lo thei a. A tlangpuiin ram tin 2 ½ hmunah hian a zung Kg 500 – 800 vel a ngai a ni.

6. Leilung buatsaih dan :

Kan leilung chinna tur hmun chu wawi 4/5 lai a, uluk takinlehphut tur a ni a, lei sawisakna vawikhatna leh a vawihnihna inkarah hian ni 4/5 vel tal a tla zep tur a ni. Purun var hian zung a kaih thuk loh avangin lei hi thuk lo te, 8 – 10 cm vel a thukin kan lai phut tur a ni a. Lei kan laih phut dap hnuah hian tha tak leh rualrem taka tih zawl leh tur a ni. Kan chinna tur leilung chu Plot anga siamin hai pawn tur a ni a, a Plot inkarah hian kan kal lenna tawh hmun kan zuah awl tur a ni.

7. Leitha a mamawh dan leh pek dan :

Kan chinna tur leilungin lei tha a mamawh dan hre turin mithiamte kan leilung dinhmun endik tir phawt hi a finthlak hle a ni.

Purun var in chaw tha, entirnan – Phosphorus, Potassium, Calcium leh Magnesium te hi a mamawh san lai ber chu kan chin tirh atanga ni 50 – 60 chhung anih avangin a chaw/lei tha mamawh te hi a hma daihin kan pe thin tur a ni. Purun var hian Organic lei tha (Eg. Bawng ek lei tha) a ngeih em em bawk.

A tlangpuiin kan lei tha mamawh zat hi Tin 2 ½ hmunah chuan hetiang hi a ni –

1. Organic lei tha (Eg. Bawng ek lei tha) -500Qtls.
2. Nitrogen - 100 Kg.

Nitrogen hi Urea atangin emaw Ammonium Sulphate angin Dose chanve in lei kan sawngbawl emaw, phun / tuh hma a pek tur a ni. A zatve dang chu phun/tuh atanga ni 30 hnuah emaw chawlhkar nga (5)-naah leh chawlhkar riat (8)-naah kan pe leh tur a ni.

3. Phosphorus (DAP atangin) - 50 Kg.
4. Potassium (MOP atangin) - 50 Kg.
5. Borax - 10 Kg.

Bawng ek lei tha / Organic lei tha te, DAP leh MOP te hi lei kan sawngbawl lai emaw phun/tuh hmain a mamawh zat lei tha a vaiin kan pe thin tur a ni bawk. Boruak te leh Micro-Nutrients dangte hian a thar tam kawngah leh a Quality-ah a pui thei bawk.

Nitrogen (Urea) pek tam lutuk chuan a Purun Quality a tih chhiat mai bakah seng dawn hnaihah Purun zungte alo chawr thar leh hman thin a ni.

Phosphorus leh Potassium hian Purun var zung/bul rihna tlahniam thei tur a veng baw a ni.

8. **Phun / tuh inkar hlat zawng :**

A Variety a zirin a danglam thei a. A tlangpuiin 15 x 8 cm, 10 x 8 cm leh 15 x 10 cm inkar hlat zawng a phun / tuh hi tih dan tlanglawn a ni.

A bul leh a thlar a len dan a zirin a inkar pawh a zau tur a ni. [15 x 10 cm; a bi inkar – 10 cm, a thlur– 15 cm]

Purun var hi Fu huanah te, Ser huanah te, thlai dangte nen a chin pawlh chi tak a ni baw. Tin, Hmarcha, Vaimim, Alu leh Be lam chi (Eg. Bean, Soyabean etc) chin hnuah chin chi a ni baw.

9. **Tuiphek hun leh dan :**

A tlangpuiin Purun var hi a than hun laiin ni 8 – 10 danah tui pek tur a ni. A lo puitlin dawn lamah chuan ni 10 – 15 danah pek thin tur a ni. Tui rei tak kan pek loh hnuah kan pek leh thut hian a zung a keh duh a ni.

Kan phun/tuh hnuah tui pek nghal tur a ni a. A than chhoh laiin tui a tlakchham a, lei a hnawn tawh loh chuan a zung/bul a insiam tha thei lo a ni. Tui kan pek reng rengin lei chunglang 5 cm vel (a zung awmna chin) hnawng tura pek thin tur a ni.

Purun var seng dawn hnaihah a kung/hnah te a ro va, a uai thlak chinah chuan tui pek hi kan chawlsan tawh tur a ni a. Chuti anih loh chuan a zung tuamtu/a kawr a tawih ang a, a rawng a dik lovin a zung pawnlang ber chu a pho chhuak thin a, hei hian dahthatnaah leh zawrh chhuahnaah a hmela a ti mawi loh phah thei a ni.

10. **Hlo thlawh / lei rih / hai vur hun :**

Purun var hi inhnaih te te a phun / tuh anih avangin hlo thlawhnaah te sum sen a tamin a kung te a tih chhiat a awlsam phah bik a.

Quality tha leh hlawk taka thar tur chuan kan thlai bul vel chu a hun taka fai takin kan thlo in kan rih vur thin tur a ni.

A vawikhatnan phun / tuh atanga thlakhatnaah hlo kan thlo ang a, vawikhat kan thlawhna atanga thla khat hnuah a vawihnihna kan thlo leh tur a ni. Hemi hnu lamah hi chuan a zung kan tih chhiat theih avangin kan thlo tur a ni tawh lova, kan chinna lei alo thawl deuh nan leh a rah alo len deuh nan phun/tun atanga thla 2 ½ ah kan rih vur in, kan hai vur thin tur a ni.

Hlo Tur, Pendamethalin @3.5 Litres emaw Oxflurofen @ 0.25 Kg ai/Ha (Tin 2 ½) atan hlo bial bik a tiah hma in leh a hnu phun/tuh atanga ni 45-naah vawikhat hlo thlawh a tha hle baw.

11. **Seng hun / seng dan :**

Purun var chu a kung a lo eng/uk chhuak vek a, a hnah te alo ro in a lo uai thla tawh anih chuan seng a hun tawh tihna a ni a. A Variety a zirin a seng hun hi a hma in a tlai thei a. A tlangpuiin thla 4 – 5 naah chuan a seng theih tawh thin a ni.

Kan hriat tur pawimawh tak chu za ah za a kung a uai thlak hnuah chauh kan seng tur a ni. A seng hun aia kan seng hma chuan rei a vawn that theih lohva. Tin, a seng hun a tlai lutuk chuan a zung a keh duhin, a lo chawr leh hman thin a ni.

Purun var chu a kung chawpin kan seng ang a, a hmunah emaw hmun daihlimah emaw a zung/bul chu ni atanga a lo him zawknan a hnah/ a kung a hliahtir chungin felfai takin leiah chuan remin, ni 3 – 5 chhung kan pho tur a ni a. Hetia kan tih hian a vawn that kawngah a mamawh ang tawh hnawng a hmuh bakah a hmela alo mawiin a zung alo muk zawk baw ang a, a chawr leh thei tur lakah a veng thei dawn baw a ni.

Hmun daihlimah kan pho dawn anih chuan a zung / bul thian faiin, a zung/bul atanga 2.5 cm velah a hnah / kung paihin emaw paih lo pawhin ni 7 – 10 chhung kan dah tur a ni.

Note : Purun var hi kan seng hnuah rapah meikhu a kan ur hian rei tak a dah that theih tho a ni. Purun var hi zawrh chhuah alo awlsam zawk theihna tur chuan natna kai, himdam lo (keh etc) leh a len zawng inang lo te chu kan thliar fel thlap thin tur a ni.

12. **A thar theih zat :**

A Variety a zirin 100 – 200 Qtls. hi Tin 2 ½ hmunah a thar theih tlangpui a, G – 282 Variety bik hi chu Tin 2 ½ hmunah hian 175 – 200 Qtls. a thar tlangpui a ni.

13. **Dah that dan :**

Purun var hi a hnah/kung te nen a dah tha tur chuan a hnah/kungte hi tawn khawmin, Ventilation tha tak awmna, Room boruak dai tak (32 Degree Fahrenheit)ah a khaina tur siamin kan khai tur a ni a. A kung/hnah tel lova kan dah tha dawn anih chuan Purun zung / bul te chu Buara/Nylon bag awng siar siar ang chiah kan dah tur a ni a. Hetiang a kan dah that hian thla 4-5 vel a rei a dah that theih a ni.

Kan dah thatna Room hi a vawh tawh lohva, 40 Degree Fahrenheit vel anih chuan Purun bul/zung te hi a chawr duh em em a, hei hian hralh chhuahna turah a ti hlawk lovin a chhiat hma phah baw a ni.

Tin, a chung a kan tarlan bakah hian Purun var hi kan seng/thar hma chawlhkarthum(3) hmaa Maleic Hydroxide (MH) 3000 pm a kan kah hian a chhiat har bakah a rihna a hloh har bik a. Tin, Carbendazim 0.1% in Purun var hi kan seng hmaa kan kah a, seng hnuah kan dahna hmun turte kan kah thianghlim leh hian Purun var te hi tawih, hmuar etc. lakah a veng baw a ni.

KRISHI VIGYAN KENDRA KHAWZAWL: CHAMPHAI DISTRICT, MIZORAM

kvkchawzawl@gmail.com



PURUNVAR(GARLIC)ENKAWL LEH CHIN DAN



Prepared by
Prakash Thapa
Msc(Hort), Farm Manager
KVK, Champhai District
Phone: 8974965644